REMEDIAL ACTION WORK PLAN

for

86 Fleet Place
Brooklyn, New York
Block 2061, Lot 50

NYCOER Project No. 14EH-N496K
NYC VCP No: 15CVCP014K
E-Designation E-124
CEQR No. 03DME016K

Prepared For:
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REMEDIAL ACTION WORK PLAN
TABLE OF CONTENTS

CERTIFICATION i
EXECUTIVE SUMMARY 1
REMEDIAL ACTION WORK PLAN 9
1.0 SITE BACKGROUND 9
1.1 Site Location and Current usage 9
1.2 Proposed Redevelopment Plan 10
1.3 Description of Surrounding Property 10
1.4 remedial investigation 11
2.0 REMEDIAL ACTION OBJECTIVES 15
3.0 REMEDIAL Alternatives analysis 16
3.1 THRESHOLD CRITERIA 18
3.2. BALANCING CRITERIA 19
4.0 REMEDIAL ACTION 25
4.1 Summary of Preferred Remedial Action 25
4.2 Soil Cleanup Objectives and soil/Fill management 27
Estimated Soil/Fill Removal Quantities 27
End-Point Sampling 28
Quality Assurance/Quality Control 30
Import and Reuse of Soils 31
4.3 engineering Controls 31
Vapor Barrier 32
Sub-Slab Depressurization System 32
4.5 Institutional Controls 33
4.6 Site Management plan 34
4.7 qualitative human health exposure assessment 35
5.0 REMEDIAL ACTION MANAGEMENT 40
5.1 Project Organization and oversight 40
5.2 Site Security 40
5.3 Work Hours 40

5.4 Construction Health and Safety Plan 40
5.5 Community Air Monitoring Plan 41
VOC Monitoring, Response Levels, and Actions 41
Particulate Monitoring, Response Levels, and Actions 42
5.6 Agency Approvals 43
5.7 Site Preparation 43
Pre-Construction Meeting 43
Mobilization 43
Utility Marker Layouts, Easement Layouts 43
Dewatering 44
Equipment and Material Staging 44
Stabilized Construction Entrance 44
Truck Inspection Station 44
Extreme Storm Preparedness and Response Contingency Plan 45
5.8 Traffic Control 46
5.9 Demobilization 47
5.10 Reporting and Record Keeping 47
Daily Reports 47
Record Keeping and Photo-Documentation 48
5.11 Complaint Management 48
5.12 Deviations from the Remedial Action Work Plan 48
6.0 REMEDIAL ACTION REPORT 50
7.0 SCHEDULE 52

FIGURES

Figure 1:	Site Location Map
Figure 2:	Site Plan
Figure 3:	Surrounding Land Use Map
Figure 4:	Site Excavation Plan
Figure 5:	Proposed Endpoint Sampling Plan
Figure 6:	Vapor Barrier Location Plan
Figure 7:	Conceptual SMD Layout
Figure 7A – D:	SMD Details
Figure 8:	Truck Route Map

APPENDICES

Appendix A: Proposed Redevelopment Plans

Appendix B: Soils/Materials Management Plan

Appendix C: Previous Environmental Reports

Appendix D: Citizen Participation Plan

Appendix E: Sustainability Statement

Appendix F: Soil Vapor Barrier Specifications and Compatibility Letter

Appendix G: Construction Health and Safety Plan

LIST OF ACRONYMS

Acronym	Definition
AST	Aboveground Storage Tank
CAMP	Community Air Monitoring Plan
C&D	Construction & Demolition
CEQR	City Environmental Quality Review
CFR	Code of Federal Regulations
CHASP	Construction Health and Safety Plan
CO	Certificate of Occupancy
CPC	City Planning Commission
DSNY	Department of Sanitation
“E”	E-Designation
EAS	Environmental Assessment Statement
EIS	Environmental Impact Statement
ESA	Environmental Site Assessment
EC/IC	Engineering Control and Institutional Control
ELAP	Environmental Laboratory Accreditation Program
FDNY	New York City Fire Department
GPR	Ground Penetrating Radar
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations Emergency Response
IDW	Investigation Derived Waste
Notice - NNO	Notice of No Objection
Notice - NTP	Notice To Proceed
Notice - NOS	Notice Of Satisfaction
Notice - FNOS	Final Notice of Satisfaction
NYC BSA	New York City Board of Standards and Appeals
NYC DCP	New York City Department of City Planning
NYC DEP	New York City Department of Environmental Protection
NYC DOB	New York City Department of Buildings
NYC DOF	New York City Department of Finance
NYC HPD	New York City Housing Preservation and Development

NYCRR	New York Codes Rules and Regulations
NYC OER	New York City Office of Environmental Remediation
NYS DEC	New York State Department of Environmental Conservation
NYS DEC DER	New York State Department of Environmental Conservation Division of Environmental Remediation
NYS DEC PBS	New York State Department of Environmental Conservation Petroleum Bulk Storage
NYS DOH	New York State Department of Health
NYS DOT	New York State Department of Transportation
OSHA	United States Occupational Health and Safety Administration
PAHs	Polycyclic Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
PE	Professional Engineer
PID	Photo Ionization Detector
PM	Particulate Matter
QEP	Qualified Environmental Professional
RA	Register Architect
RAWP	Remedial Action Plan
RCA	Recycled Concrete Aggregate
RCR	Remedial Closure Report
RD	Restrictive Declaration
RI	Remedial Investigation
SCOs	Soil Cleanup Objectives
SCG	Standards, Criteria and Guidance
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SSDS	Sub-Slab Depressurization System
SVOCs	Semi-Volatile Organic Compounds
USCS	Unified Soil Classification System
USGS	United States Geological Survey
UST	Underground Storage Tank

TAL	Target Analyte List
TCL	Target Compound List
TCO	Temporary Certificate of Occupancy
VB	Vapor Barrier
VOCs	Volatile Organic Compounds

CERTIFICATION

I, Jason Hayes, am a Professional Engineer licensed in the State of New York. I have primary direct responsibility for implementation of the remedial action for the 86 Fleet Place site (New York City Office of Environmental Remediation [OER] Site No. 14EH-N496K and New York City Voluntary Cleanup Program [VCP] Site No. 15CVCP014K).

I certify that this Remedial Action Work Plan (RAWP) has a plan for handling, transport and disposal of soil, fill, fluids and other materials removed from the property in accordance with applicable City, State and Federal laws and regulations. Importation of all soil, fill and other material from off-site will be in accordance with all applicable City, State and Federal laws and requirements. This RAWP has provisions to control nuisances during the remediation and all invasive work, including dust and odor suppression.

JASON HAYES
Name

089491-1
NYS PE License Number

Signature

9/15/2014
Date

EXECUTIVE SUMMARY

Langan Engineering, Environmental, Surveying, and Landscape Architecture, DPC (Langan) has established this plan to remediate a 33,000 square-foot site located at 86 Fleet Place in Brooklyn, New York ("the site"). A Remedial Investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP). The RI and RAWP are requirements of a restrictive 'e' zoning designation (E-124) established in the Downtown Brooklyn Rezoning Final Environmental Impact Statement (FEIS) dated June 28, 2004 (City Environmental Quality Review [CEQR] No. 03DME016K). The remedial action described in this document provides for the protection of public health and the environment consistent with the intended property use and remedial objectives, complies with applicable environmental standards, criteria and guidance and conforms to applicable laws and regulations.

Site Location and Current Usage

The site is located at 86 Fleet Place, Brooklyn, New York (Block 2061, Lot 50 on the New York City Tax Map) and is bound by Myrtle Avenue to the north, Fair Street to the south, an off-site 32-story high-rise structure to the west, and an extension of Fleet Place to the east. The site is an about 33,000 square-foot trapezoidal lot that was previously occupied by on-grade parking and one-story retail buildings that were demolished to make way for the proposed development. Site grades range from about elevation (el.) 38 (Brooklyn President Borough Datum [BPBD]) at the southwest corner to about el. 28 at the northeast corner.

The site is owned by Red Apple 86 Fleet Place Development LLC. The entrance to the site is located on Fleet Place. There is a New York City Economic Development Corporation (NYCEDC) drainage easement along the westernmost 25 feet of the property, which will not be developed, and occupies about 4,275 square feet of the site.

A site location map is included as Figure 1 and a site plan is included as Figure 2.

Summary of Proposed Redevelopment Plan

The proposed development will consist of a 32-story, L-shaped high rise resting on a 1-story podium, which will cover the entire site except for the NYCEDC drainage easement area. About 28,000 square feet of the site will be developed. The proposed use of the building is commercial and residential. A cellar and sub-cellar level are proposed for the new development. The cellar level will be used for parking, storage, a superintendent's office and workshop, and staff locker rooms. The sub-cellar will be used for parking, storage, and utility and mechanical

rooms. The podium will consist of the at-grade level parking, commercial/retail, and storage. The second floor will consist of residential apartments and amenity space, including a gym, laundry room, common rooms for tenant use, and an outdoor landscaped terrace. Floors 3 through 32 will consist of residential apartment units with additional mechanical rooms on the 25th and 31st floors. A water tank, emergency generator, and appliance ventilation units will be located on the roof of the building.

The excavation for the sub-cellar will extend to about 29 feet below grade (bg), which is about 2 feet above the groundwater table (i.e., el. 5 feet BPBD). About 45,000 tons of soil will be excavated for construction of the cellar levels. There will be three passenger, one passenger/service, one service, and two vehicle elevators. One elevator pit (SE-1) will require excavation to about 36 feet bg and the two vehicle elevator pits will require excavation to about 34 feet bg. The sub-cellar, cellar, and ground floor will occupy the entire footprint of the lot except for the NYCEDC easement area. The current zoning designation is C6-4. The proposed use is consistent with the existing zoning for the property. Proposed development plans are included as Appendix A. The remedial action contemplated under this RAWP may be implemented independently of the proposed redevelopment plan.

Summary of the Remedy

The proposed remedial action achieves all of the remedial action goals established for the project. The proposed remedial action is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants and uses standard methods that are well established in the industry.

The proposed remedial action will consist of:

1. Preparation of a Community Protection Statement and performance of all required NYC VCP citizen participation activities according to an approved Citizen Participation Plan;
2. Implementation of a Community Air Monitoring Plan (CAMP) during foundation excavation for particulates and volatile organic carbon compounds;
3. Selection of 6 NYCRR Part 375 Table 6.8(a) Unrestricted Use (Track 1) SCOs for soil within the portion of the site where development is proposed. Track 4 SCOs will be established within the NYCEDC easement;
4. Site mobilization involving site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas;

5. Excavation and removal of soil/fill with concentrations above Track 1 SCOs from below the proposed building footprint. Cellar level excavations will extend to depths of about 29 feet bg. One elevator pit (SE-1) will require excavation to about 36 feet bg and the two vehicle elevator pits will require excavation to about 34 feet bg. About 45,000 tons of soils will be excavated and transported off-site;
6. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID;
7. Management of excavated materials including temporarily stockpiling and segregating to prevent comingling of impacted material and non-impacted materials;
8. Transportation and off-site disposal of historic fill at permitted facilities in accordance with applicable laws and regulations for handling, transport, and disposal, and this RAWP. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media onsite;
9. Removal of underground storage tanks (if encountered) and closure of petroleum spills (if discovered) in compliance with applicable local, State, and Federal laws and regulations;
10. Collection and analysis of nine end-point (confirmation) samples from the development area to confirm the achievement of the remedy with respect to attainment of SCOs;
11. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations.
12. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations;
13. Submission of an Remedial Action Report (RAR) that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the site boundaries, lists any changes from this RAWP, and describes all engineering and institutional controls (EC/ICs) to be implemented for the easement (and below the proposed building footprint if a complete Track 1 cleanup is not achieved);

If Track 1 SCOs are not achieved, the following construction elements implemented will constitute Engineering and Institutional Controls:

14. As part of development, construction and maintenance of a composite cover system consisting of a 5-inch concrete cellar slab and 60-inch mat concrete cellar slab over the building footprint to eliminate exposure to remaining soil and fill;

15. As part of development, installation of a waterproofing/vapor barrier system (with a minimum thickness of 20 mils) as per manufacturer's specifications beneath the building slab and around subsurface sidewalls;
16. As part of the new development, operation of an enclosed parking garage ventilated as per the New York City Mechanical Code;
17. As part of development, installation and operation of a sub-membrane depressurization (SMD) system under the waterproofing/vapor barrier system of occupied building areas except beneath the areas occupied by a ventilated parking garage;
18. Because Track 1 SCOs will not be achieved within the NYCEDC easement and the easement falls within the site, the property will continue to be registered with an E-Designation at the NYC Buildings Department. A Site Management Plan (SMP) will be submitted with the RAR for the easement area (and building footprint if a Track 1 cleanup is not achieved) for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of ECs and ICs and reporting at a specified frequency. Establishment of ECs and ICs is a requirement and management of these controls must be in compliance with an approved SMP. ICs will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual impacted material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval. Additionally, an annual inspection of the SMD system for the first five years of operation will be included in the SMP. After the initial five years of operation, the SMD system may be converted to a passive system, based on inspection results.

Community Protection Statement

The Office of Environmental Remediation (OER) created the New York City Voluntary Cleanup Program (NYC VCP) to provide governmental oversight for the cleanup of impacted property in NYC. This RAWP ("cleanup plan") describes the findings of prior environmental studies that show the location of contamination at the site, and describes the plans to clean up the site to protect public health and the environment.

This cleanup plan provides a very high level of protection for neighboring communities and also includes many other elements that address common community concerns, such as community air monitoring, odor, dust and noise controls, hours of operation, good housekeeping and cleanliness, truck management and routing, and opportunities for community participation. The purpose of this Community Protection Statement is to explain these community protection measures in non-technical language to simplify community review.

Remedial Investigation and Cleanup Plan. Under the NYC VCP, a thorough cleanup study of this property (called a remedial investigation) has been performed to identify past property usage, to sample and test soil, groundwater, and soil vapor, and identify contaminant sources present on the property. The cleanup plan has been designed to address all contaminant sources that have been identified during the study of this property.

Identification of Sensitive Land Uses. Prior to selecting a cleanup, the neighborhood was evaluated to identify sensitive land uses nearby, such as schools, day care facilities, hospitals and residential areas. The cleanup program was then tailored to address the special conditions of this community.

Qualitative Human Health Exposure Assessment. An important part of the cleanup planning for the site is the performance of a study to find all of the ways that people might come in contact with contaminants at the site now or in the future. This study is called a Qualitative Human Health Exposure Assessment (QHHEA). A QHHEA was performed for this project. This assessment has considered all known contamination at the site and evaluated the potential for people to come in contact with this contamination. All identified public exposures will be addressed under this cleanup plan.

Health and Safety Plan. This cleanup plan includes a Construction Health and Safety Plan (CHASP) that is designed to protect community residents and on-site workers. The elements of this plan are in compliance with safety requirements of the United States Occupational Safety

and Health Administration (OSHA). This plan includes many protective elements including those discussed below.

Site Safety Coordinator. This project has a designated Site Safety Coordinator to implement the CHASP. The safety coordinator maintains an emergency contact sheet and protocol for management of emergencies. The Site Safety Coordinator is William Bohrer and can be reached at (410) 984-3068.

Worker Training. Workers participating in cleanup of contaminated material on this project are required to be trained in a 40-hour hazardous waste operators training course and to take annual refresher training. This pertains to workers performing specific tasks including removing contaminated material and installing cleanup systems in contaminated areas.

Community Air Monitoring Plan. Community air monitoring will be performed during this cleanup project to ensure that the community is properly protected from contaminants, dust and odors. Air samples will be tested in accordance with a detailed plan called the Community Air Monitoring Plan or CAMP. Results will be regularly reported to the OER. This cleanup plan also has a plan to address any unforeseen problems that might occur during the cleanup (called a 'Contingency Plan').

Odor, Dust and Noise Control. This cleanup plan includes actions for odor and dust control. These actions are designed to prevent off-site odor and dust nuisances and includes steps to be taken if nuisances are detected. Generally, dust is managed by application of physical covers and by water sprays. Odors are controlled by limiting the area of open excavations, physical covers, spray foams and by a series of other actions (called operational measures). The project is also required to comply with NYC noise control standards. If you observe problems in these areas, please contact the on-site Project Manager Brandon Nathe (212-479-5590) or OER Project Manager Shana Holberton (212-788-3220).

Quality Assurance. This cleanup plan requires that evidence be provided to illustrate that all cleanup work required under the plan has been completed properly. This evidence will be summarized in the final report, called the Remedial Action Report (RAR). This report will be submitted to the OER and will be thoroughly reviewed.

Storm-Water Management. To limit the potential for soil erosion and discharge, this cleanup plan has provisions for storm-water management. The main elements of the storm water

management include physical barriers such as tarp covers and erosion fencing, and a program for frequent inspection.

Hours of Operation. The hours for operation of cleanup will comply with the NYC Department of Buildings construction code requirements or according to specific variances issued by that agency.

Signage. While the cleanup is in progress, a placard will be prominently posted at the main entrance of the property with a laminated project Fact Sheet that states that the project is in the NYC Voluntary Cleanup Program, provides project contact names and numbers, and locations of project documents can be viewed.

Complaint Management. The contractor performing this cleanup is required to address all complaints. If you have any complaints, you can call the facility Project Manager Brandon Nathe (212-479-5590), the OER Project Manager Shana Holberton (212-788-3220), or call 311 and mention the site is in the NYC Voluntary Cleanup Program.

Utility Mark-outs. To promote safety during excavation in this cleanup, the contractor is required to first identify all utilities and must perform all excavation and construction work in compliance with NYC Department of Buildings regulations.

Soil and Liquid Disposal. All soil and liquid material removed from the site as part of the cleanup will be transported and disposed of in accordance with all applicable City, State and Federal regulations and required permits will be obtained.

Soil Chemical Testing and Screening. All excavations will be supervised by a trained and properly qualified environmental professional. In addition to extensive sampling and chemical testing of soils on the site, excavated soil will be screened continuously using hand-held instruments, by sight, and by smell to ensure proper material handling and management, and community protection.

Stockpile Management. Soil stockpiles will be kept covered with tarps to prevent dust, odors and erosion. Stockpiles will be frequently inspected. Damaged tarp covers will be promptly replaced. Stockpiles will be protected with silt fences. Hay bales will be used, as needed to protect storm water catch basins and other discharge points.

Trucks and Covers. Loaded trucks leaving the site will be covered in compliance with applicable laws and regulations to prevent dust and odor. Trucks will be properly recorded in logs and records and placarded in compliance with applicable City, State and Federal laws, including those of the New York State Department of Transportation. If loads contain wet material that can leak, truck liners will be used. All transport of materials will be performed by licensed truckers and in compliance with all laws and regulations.

Imported Material. All fill materials proposed to be brought onto the site will comply with rules outlined in this cleanup plan and will be inspected and approved by a qualified worker located on-site. Waste materials will not be brought onto the site. Trucks entering the site with imported clean materials will be covered in compliance with applicable laws and regulations.

Equipment Decontamination. All equipment used for cleanup work will be inspected and washed, if needed, before it leaves the site. Trucks will be cleaned at a truck inspection station on the property before leaving the site.

Housekeeping. Locations where trucks enter or leave the site will be inspected every day and cleaned regularly to ensure that they are free of dirt and other materials from the site.

Truck Routing. Truck routes have been selected to: (a) limit transport through residential areas and past sensitive nearby properties; (b) maximize use of city-mapped truck routes; (c) limit total distance to major highways; (d) promote safety in entry to highways; (e) promote overall safety in trucking; and (f) minimize off-site line-ups (queuing) of trucks entering the property. Operators of loaded trucks leaving the site will be instructed not to stop or idle in the local neighborhood.

Final Report. The results of all cleanup work will be fully documented in a final report (called a Remedial Action Report) that will be available for you to review online at OER's website.

Long-Term Site Management. If long-term protection after the cleanup is required, the property owner will be required to comply with an ongoing Site Management Plan (If Track 1 is not achieved) that calls for continued inspection of protective controls, such as site covers. The Site Management Plan is evaluated and approved by the OER. Requirements that the property owner must comply with are established through a city environmental designation. A certification of continued protectiveness of the cleanup will be required from time to time to show that the approved cleanup is still effective.

REMEDIAL ACTION WORK PLAN

1.0 SITE BACKGROUND

Red Apple 86 Fleet Place Development, LLC (the "Volunteer") has applied to enroll in the New York City Voluntary Cleanup Program (VCP) to remediate the property located at 86 Fleet Place in the Downtown Brooklyn section of Brooklyn, New York ("the site"). A Remedial Investigation (RI) was performed to compile and evaluate data and information necessary to develop this Remedial Action Work Plan (RAWP) in a manner that will render the site protective of public health and the environment consistent with the contemplated end use. This RAWP establishes remedial action objectives, provides a remedial alternatives analysis that includes consideration of a permanent cleanup, and provides a description of the selected remedial action. The remedial action described in this document provides for the protection of public health and the environment, complies with applicable environmental standards, criteria and guidance and applicable laws and regulations. This project has been assigned project number 14EH-N496K by the New York City Office of Environmental Remediation (OER) and NYC VCP Project Number 15CVCP014K.

1.1 SITE LOCATION AND CURRENT USAGE

The site is located at 86 Fleet Place, Brooklyn, New York (Block 2061, Lot 50 on the New York City Tax Map) and is bound by Myrtle Avenue to the north, Fair Street to the south, an off-site 32-story high-rise structure to the west, and an extension of Fleet Place to the east. The site is an about 33,000 square-foot trapezoidal lot that was previously occupied by on-grade parking and one-story retail buildings that were demolished to make way for the proposed development. Site grades range from about elevation (el.) 38 (Brooklyn President Borough Datum [BPBD]) at the southwest corner to about el. 28 at the northeast corner.

The site is owned by Red Apple 86 Fleet Place Development LLC. The entrance to the site is located on Fleet Place. There is a New York City Economic Development Corporation (NYCEDC) drainage easement along the westernmost 25 feet of the property, which will not be developed, and occupies about 4,275 square feet of the site.

A site location map is included as Figure 1 and a site plan is included as Figure 2.

1.2 PROPOSED REDEVELOPMENT PLAN

The proposed development will consist of a 32-story, L-shaped high rise resting on a 1-story podium, which will cover the entire site except for the NYCEDC drainage easement area. About 28,000 square feet of the site will be developed. The proposed use of the building is commercial and residential. A cellar and sub-cellar level are proposed for the new development. The cellar level will be used for parking, storage, a superintendent's office and workshop, and staff locker rooms. The sub-cellar will be used for parking, storage, and utility and mechanical rooms. The podium will consist of at-grade level parking, commercial/retail, and storage. The second floor will consist of residential apartments and amenity space, including a gym, laundry room, common rooms for tenant use, and an outdoor landscaped terrace. Floors 3 through 32 will consist of residential apartment units with additional mechanical rooms on the 25th and 31st floors. A water tank, emergency generator, and appliance ventilation units will be located on the roof of the building.

The excavation for the sub-cellar will extend to about 29 feet below grade (bg), which is about 2 feet above the groundwater table (i.e., el. 5 feet BPBD). About 45,000 tons of soil will be excavated for construction of the cellar levels. There will be three passenger, one passenger/service, one service, and two vehicle elevators. One elevator pit (SE-1) will require excavation to about 36 feet bg and the two vehicle elevator pits will require excavation to about 34 feet bg. The sub-cellar, cellar, and ground floor will occupy the entire footprint of the lot except for the NYCEDC easement area. The current zoning designation is C6-4. The proposed use is consistent with the existing zoning for the property. Proposed development plans are included as Appendix A. The remedial action contemplated under this RAWP may be implemented independently of the proposed redevelopment plan.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

The site is located in an area generally characterized by multi-story residential, commercial, and educational buildings in zoning districts designated for residential and commercial uses, which are summarized in the following table:

DIRECTION	ADJOINING PROPERTIES	SURROUNDING PROPERTIES
North	Myrtle Avenue followed by the New York City Housing Authority Raymond V. Ingersoll Houses	Multi-story residential buildings
East	Vacant lot under construction (81 Fleet Place) and a daycare center (101 Fleet Place) to the southeast	Vacant lots; construction sites (180 Myrtle Ave)

South	A demapped segment of Fair Street and multi-story commercial buildings	Willoughby followed by multi-story education buildings for Long Island University
West	A 37-story residential building	Multi-story commercial buildings beyond Flatbush Avenue

Nearby sensitive receptors include the Duffield Children's Center, located about 80 feet southeast of the site, and the Fort Greene Health Center, located about 350 feet south of the site. The nearest hospital is the Downtown Campus of the Brooklyn Hospital Center, located about 1,000 feet to the southeast. A public school (PS 067 Charles A. Dorsey School) is located about 1,000 feet to the northeast of the site. A Surrounding Land Use Plan is provided as Figure 3.

1.4 REMEDIAL INVESTIGATION

A remedial investigation was performed and the results are documented in a companion document called "*Remedial Investigation Report, 86 Fleet Place*", by Langan, dated August 2014 (RIR). The RIR incorporated sample results from the Phase II Environmental Site Investigation Report, by Langan, dated December 2007 (2007 Phase II ESI).

Summary of Past Uses and Areas of Concern

The most recent use of the site included single-story brick buildings occupied by retail businesses, which were demolished in 2007. Analysis of aerial photographs and Sanborn Fire Insurance Maps indicate that previous property development also consisted of commercial and residential dwellings.

The Areas of Concern (AOCs) identified during previous investigations are described below:

- On-site AOC;
  - Surface cover consists of historic fill material from an unknown origin.
- Off-site AOCs;
  - A dry cleaner located about 30 ft west of the site in 1950;
  - A historic gasoline station with several underground storage tanks (USTs) located about 100 ft from the site from at least 1938 to 1980;
  - A dry cleaner located about 120 ft northwest of the site from at least 1969 to 1996;
  - A dry cleaner located about 370 ft east of the site in 1969; and
  - Fill pipes were observed east of the site at 208 and 216 Myrtle Avenue during the 2007 Phase I site reconnaissance, indicating the presence of USTs adjacent to the

site (this property, assumed to be 81 Fleet Place, is currently undergoing construction and there was no evidence of a petroleum release associated with USTs during construction).

Summary of the Work Performed under the Remedial Investigation

Langan performed the following scope of work during the 2007 Phase II ESI and 2014 remedial investigation (RI):

1. Site inspection and geophysical survey to identify potential underground storage tanks (USTs) and associated piping and clear boring/monitoring well locations for physical obstructions and/or subsurface utilities and structures;
2. Advancement of 13 soil borings and collection of 29 grab soil samples (including 4 duplicate samples) for laboratory analyses to evaluate soil quality;
3. Installation of 9 groundwater monitoring wells to establish groundwater depth and flow direction and collection of 10 groundwater samples (including one duplicate sample) for laboratory analyses to evaluate groundwater quality;
4. Installation of 12 soil vapor probes and collection of 12 soil vapor samples for laboratory analysis; and
5. Collection of 3 field blank samples for quality assurance/quality control (QA/QC) purposes.

Summary of Environmental Findings

- Elevation of the property ranges from about el. 29 to 38[1];
- Groundwater elevation ranges from el. 4.80 to 4.98 based on measurements collected on May 23, 2014. Depth to groundwater ranges from about 29.54 to 34.42 feet below existing grade;
- Groundwater flow is generally from southeast to northwest;
- Based on a review of information from a geotechnical investigation, depth to bedrock is about 90 to 112 ft bg;
- The stratigraphy observed during the RI, from the surface down, consists of about 5 to 24 feet of historic fill material underlain by native sand with gravel (i.e., glacial till) to bedrock;

[1] Survey prepared by True North Surveyors, P.C. dated April 29, 2014. All elevations presented in Borough President of Brooklyn Highway Datum (BPBD).

- Soil/fill samples collected during the RI and 2007 Phase II ESI were compared to New York State Department of Environmental Conservation (NYSDEC) Part 375 Table 375-6.8 Unrestricted Use and Restricted Use Soil Cleanup Objectives (SCOs). No volatile organic compounds (VOCs) or PCBs were detected above Unrestricted Use SCOs in any of the soil samples. The semi-volatile organic compounds (SVOCs) chrysene (maximum of 4,730 micrograms per kilogram [µg/kg]), benzo(a)anthracene (maximum of 4,740 µg/kg), benzo(a)pyrene (maximum of 4,140 µg/kg), benzo(b)fluoranthene (maximum of 3,400 µg/kg), benzo(k)fluoranthene (maximum of 4,090 µg/kg), dibenzo(a,h)anthracene (maximum of 450 µg/kg) and indeno(1,2,3-cd)pyrene (maximum of 2,160 µg/kg) were detected above Restricted Residential SCOs in shallow soil samples. Pesticides 4,4'-DDD (maximum 9.69 µg/kg), 4,4'-DDE (maximum of 7.66 µg/kg), 4-4'-DDT (maximum of 112 µg/kg), and chlordane (150 µg/kg) exceeded Unrestricted Use SCOs but were below Restricted Residential Use SCOs in shallow soil samples. Metals, including barium (maximum of 645 milligrams per kilogram [mg/kg]), lead (maximum of 1,740 mg/kg), and mercury (maximum of 1.76 mg/kg), were detected at concentrations above Restricted Residential SCOs in shallow soil samples. Several deep soil samples contained nickel concentrations above the Unrestricted Use SCO and one deep soil sample contained a total chromium concentration above the Unrestricted Use SCO. These metal concentrations in native soil are less than their respective Restricted Residential Use SCOs, suggesting that nickel and chromium are naturally occurring.
- Groundwater samples collected during the RI and the 2007 Phase II ESI were compared to the NYSDEC Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) for Class GA (drinking water). No SVOCs or PCBs were detected in groundwater at concentrations above the AWQS. The VOCs chloroform (maximum of 22 micrograms per liter [µg/L]), cis-1,2-dichloroethene (72.3 µg/L), tetrachloroethene (PCE) (maximum of 224 µg/L), and trichloroethylene (TCE) (maximum of 17.7 µg/L) were detected above AWQS in several groundwater samples. Dissolved manganese and sodium were detected above AWQS in groundwater. One pesticide, dieldren (0.008 µg/L), was detected above the AWQS in one groundwater sample.
- Soil vapor samples collected during the RI and 2007 Phase II ESI were compared to the New York State Department of Health (NYSDOH) Final Guidance on Soil Vapor Intrusion (October 2006) Matrix 1 and Matrix 2 values. Chlorinated and petroleum-related VOCs were detected in soil vapor. Chlorinated VOCs, including carbon tetrachloride (maximum of 15.7 micrograms per cubic meter ([µg/m^3]), PCE

(maximum of 1,470 µg/m^3), and TCE (maximum of 44.1 µg/m^3), were detected at concentrations above the NYSDOH Matrix in several soil vapor samples.

For more detailed results, consult the RIR. Previous environmental reports are included in Appendix C.

2.0 REMEDIAL ACTION OBJECTIVES

Based on the results of the RI, the following remedial action objectives (RAOs) have been identified for this site:

Groundwater

- Prevent direct exposure to impacted groundwater.
- Prevent exposure to contaminants volatilizing from impacted groundwater.

Soil

- Prevent direct contact with impacted soil.
- Prevent exposure to contaminants volatilizing from impacted soil.

Soil Vapor

- Prevent exposure to contaminants in soil vapor.
- Prevent migration of soil vapor into dwelling and other occupied structures.

3.0 REMEDIAL ALTERNATIVES ANALYSIS

The goal of the remedy selection process is to select a remedy that is protective of human health and the environment taking into consideration the current, intended and reasonably anticipated future use of the property. The remedy selection process begins by establishing RAOs for media in which chemical constituents were found to exceed applicable standards, criteria and guidance values (SCGs). A remedy is then developed based on the following ten criteria:

1. Protection of human health and the environment;
2. Compliance with SCGs;
3. Short-term effectiveness and impacts;
4. Long-term effectiveness and permanence;
5. Reduction of toxicity, mobility, or volume of impacted material;
6. Implementability;
7. Cost effectiveness;
8. Community Acceptance;
9. Land use; and
10. Sustainability of the remedial action.

The following is a detailed description of the alternatives analysis and remedy selection to address impacted media at the site. As required, a minimum of two remedial alternatives (including a Track 1 scenario) are evaluated, as follows:

Two remedial action alternatives are considered in this alternatives analysis. Alternative 1 is a Track 1 alternative that involves removal of all soil impacted above Track 1 Unrestricted Use SCOs from below the proposed building footprint. Alternative 2 removes all impacted soil above Track 4 Site-Specific SCOs from below the proposed building footprint. The NYCEDC easement on the western portion of the property will not be excavated for either Alternative and will have established Track 4 SCOs and a paved cover for both Alternatives.

Alternative 1 involves:

- Selection of 6 NYCRR Part 375 Unrestricted Use (Track 1) Soil Cleanup Objectives (SCOs);
- Removal of all soil and fill exceeding Unrestricted Use SCOs from the proposed building footprint. The planned excavation depth for development is about 29 feet bg which will likely remove all historical fill. If soil/fill containing contaminants at concentrations

above Track 1 SCOs is still present at the base of the excavation after removal of all soil required for construction of the new building's cellar level is complete, additional excavation will be performed to ensure complete removal of soil that does not meet Track 1 SCOs;

- No engineering or institutional controls (ECs/ICs) are required for a Track 1 cleanup but a vapor barrier/waterproofing system will be installed beneath the cellar foundation slab and on the exterior of the foundation walls as part of construction to prevent any potential future exposures from off-site soil vapor;
- As part of new development, placement of a final composite cover system consisting of a 5-inch concrete cellar slab and 60-inch mat concrete cellar slab over the building footprint to eliminate exposure to remaining soil and fill;
- As part of new development, installation and operation of a sub-membrane depressurization (SMD) system under the waterproofing/vapor barrier system of occupied building areas, except where:
    - the bottom of the building slab subgrade material is at or below the water table (water table is within 2 feet from the bottom of the slab subgrade material); or
    - the use of the area is a parking garage ventilated per the requirements of the New York City Mechanical Code.

  The SMD system and the operation of the ventilated parking garage would mitigate the accumulation of vapors within the structure. The SMD system would be inspected for the first five years of operation with a possibility of converting it to a passive system based on inspection results; and
- A Site Management Plan (SMP) will be submitted for the SMD system and the easement area for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of ECs/ICs and reporting at a specified frequency.

Alternative 2 involves:

- Establishing site specific (Track 4) SCOs;
- Removal of soil and fill exceeding the Track 4 SCOs from the proposed building footprint. This would require a minimum excavation to the development depth of about 29 feet bg. Removal of the historical fill layer, which extends to a depth of about 10 to 24 feet bg, is anticipated during development. If soil/fill containing contaminants at concentrations above Track 4 SCOs is still present at the base of the excavation after removal of all soil required for construction of the new building is complete, additional excavation will be performed to meet Track 4 SCOs;

- Placement of a final composite cover system (concrete slab) over the building footprint to eliminate exposure to remaining soil and fill;
- Installation of a vapor barrier beneath the cellar foundation slab and on the exterior of the foundation walls as part of construction;
- Installation and operation of an SMD system under the waterproofing/vapor barrier system of occupied building areas, except where;
    - the bottom of the building slab subgrade material is at or below the water table (water table is within 2 feet from the bottom of the slab subgrade material); or
    - the use of the area is a parking garage ventilated as per the requirements of the New York City Mechanical Code.

  The SMD system and ventilated parking garage would mitigate the accumulation of vapors within the structure.
- Establishment of use restrictions including prohibitions on the use of groundwater from the site and prohibitions on sensitive site uses, such as farming or vegetable gardening, to eliminate future exposure pathways; and
- Establishment of an approved SMP to ensure long-term management of these ECs/ICs, including the performance of periodic inspections and certification that the controls are performing as they were intended.

3.1 THRESHOLD CRITERIA

Protection of Public Health and the Environment

This criterion is an evaluation of the remedy's ability to protect public health and the environment, and an assessment of how risks posed through each existing or potential pathway of exposure are eliminated, reduced or controlled through removal, treatment, and implementation of ECs or ICs. Protection of public health and the environment must be achieved for all approved remedial actions.

Alternative 1 would be protective of human health and the environment by removing all soil/fill that has concentrations above the Track 1 SCOs and groundwater protection standards, thus eliminating potential for direct contact with impacted soil/fill once construction is complete and eliminating the risk of contamination leaching into groundwater.

Alternative 2 would achieve comparable protections of human health and the environment by removing soil/fill with contaminant concentrations above Track 4 SCOs at the site and by ensuring that remaining soil meets Track 4 SCOs, as well as placement of ECs and ICs, including a composite cover system, an SMD system, and a vapor barrier below the building footprint. The composite cover system would prevent direct contact with any remaining on-site

soil/fill. Implementing ICs including an SMP would ensure that the composite cover system remains intact and protective. Establishment of Track 4 SCOs would minimize the risk of impacts leaching into groundwater.

For both Alternatives, potential exposure to impacted soils or groundwater during construction would be minimized by implementing a Construction Health and Safety Plan (CHASP), an approved Soil/Materials Management Plan, and a Community Air Monitoring Plan (CAMP). Potential contact with impacted groundwater would be prevented as its use is prohibited by city laws and regulations. Potential future migration of off-site soil vapors into the new building would be prevented by an SMD system, ventilated garage, and by installing a vapor barrier below the new building's basement slab and continuing the vapor barrier around foundation walls.

3.2. BALANCING CRITERIA

Compliance with Standards, Criteria and Guidance (SCGs)

This evaluation criterion assesses the ability of the alternative to achieve applicable standards, criteria and guidance.

Alternative 1 would achieve compliance with the remedial goals, chemical-specific SCGs and RAOs for soil through removal of soil to achieve Track 1 SCOs and Groundwater Protection Standards. Compliance with SCGs for soil vapor would also be achieved by installing a vapor barrier/waterproofing system below the new building's basement slab and continuing the vapor barrier around foundation walls, as part of development.

Alternative 2 would achieve compliance with the remedial goals, chemical-specific SCGs and RAOs for soil through removal of soil to meet Track 4 SCOs. Compliance with SCGs for soil vapor would also be achieved by sub grade ventilated garage and by installing an SMD and vapor barrier below the new building's basement slab and continuing the vapor barrier around foundation walls. An SMP would ensure that these controls remained protective for the long term.

Health and safety measures contained in the CHASP and CAMP that comply with the applicable SCGs shall be implemented during site redevelopment under this RAWP. For both Alternatives, focused attention on means and methods employed during the remedial action would ensure that handling and management of impacted material would be in compliance with

applicable SCGs. These measures will protect on-site workers and the surrounding community from exposure to site-related contaminants. Occupational Safety and Health Administration (OSHA) requirements for on-site construction safety will also be followed by the site Contractors.

Short-term effectiveness and impacts

This evaluation criterion assesses the effects of the alternative during the construction and implementation phase until remedial action objectives are met. Under this criterion, alternatives are evaluated with respect to their effects on public health and the environment during implementation of the remedial action, including protection of the community, environmental impacts, time until remedial response objectives are achieved, and protection of workers during remedial actions.

Both Alternatives 1 and 2 would result in similar short-term dust generation impacts associated with excavation, handling, load out of materials, and truck traffic. Dust would be controlled by the application of water spray on the haul roads, and on-site, when and where needed. Controls such as slowing the pace of work, applying foam suppressant or covering portions of the excavation would be used to minimize vapors and suppress odors, as required during remediation activities. Work would be modified or stopped according to the action levels set in the CAMP.

Long-term effectiveness and permanence

This evaluation criterion addresses the results of a remedial action in terms of its permanence and quantity/nature of waste or residual contamination remaining at the site after response objectives have been met, such as permanence of the remedial alternative, magnitude of remaining contamination, adequacy of controls including the adequacy and suitability of ECs/ICs that may be used to manage contaminant residuals that remain at the site and assessment of containment systems and ICs that are designed to eliminate exposures to contaminants, and long-term reliability of ECs.

Both Alternatives would achieve long-term effectiveness by removing contaminants above the Track 1 or Track 4 SCOs, establishing a composite cover system below the building footprint, installing a vapor barrier and an SMD system to mitigate potential for accumulation of vapors within the structure, establishing ICs, and establishing an SMP for the easement (and building area if a Track 1 cleanup is not achieved) to ensure long-term management of ICs and ECs. Establishment of an SMP for the easement (and building area if Track 1 cleanup is not achieved) will ensure that this protection remains effective for the long-term. Additionally, a

requirement for an annual inspection of the SMD system for the first five years of operation will be included in the SMP. After the initial five years of operation, the SMD system may be converted to a passive system, based on inspection results. The SMP will ensure long-term effectiveness of all ECs and ICs by requiring periodic inspection and certification that these controls and use restrictions continue to be in place and are functioning as they were intended assuring that protections designed into the remedy would provide continued high level of protection in perpetuity.

Potential exposure by soil vapor VOC intrusion would be prevented by the installation of a vapor barrier beneath the new building slab. Additionally, under both alternatives, an SMD system will be installed under the waterproofing/vapor barrier system of occupied building areas, except where the use of the area is a ventilated parking garage. Therefore, the long-term effectiveness of both remedies will eliminate risks and satisfy the objectives of this criterion.

Reduction of toxicity, mobility, or volume of impacted material

This evaluation criterion assesses the remedial alternative's use of remedial technologies that permanently and significantly reduce toxicity, mobility, or volume of contaminants as their principal element. The following is the hierarchy of source removal and control measures that are to be used to remediate a site, ranked from most preferable to least preferable: removal and/or treatment, containment, elimination of exposure and treatment of source at the point of exposure. It is preferred to use treatment or removal to eliminate contaminants at a site, reduce the total mass of toxic contaminants, cause irreversible reduction in contaminants mobility, or reduce of total volume of impacted media.

Both Alternatives would reduce the toxicity of the impacted soil by removing fill/soil from the site above Track 1 or Track 4 SCOs. The toxicity and mobility of VOC-impacted soil vapor will be addressed by the installation of the vapor barrier beneath the new slabs and an SMD system under the waterproofing/vapor barrier system of occupied building areas, except where the use of the area is a ventilated parking garage. The vapor barrier and SMD system would mitigate potential for accumulation of vapors within the structure and prevent exposure to the public.

The removal of soil/fill to 29 feet for new development in both scenarios would likely result in relatively minor differences between these two alternatives.

Implementability

This evaluation criterion addresses the technical and administrative feasibility of implementing an alternative and the availability of various services and materials required during its implementation, including technical feasibility of construction and operation, reliability of the selected technology, ease of undertaking remedial action, monitoring considerations, administrative feasibility (e.g. obtaining permits for remedial activities), and availability of services and materials.

Both alternatives are considered feasible and implementable, based on the RI data. The planned construction excavation is expected to result in the removal of all soil/fill above the Track 1 SCOs below the building footprint. Both alternatives utilize standard methods that are commonly available and routinely applied by the industry. They use standard materials and services that are well established. The reliability of the remedies is also high. There are no special difficulties associated with any of the activities proposed.

Cost Effectiveness

This evaluation criterion addresses the cost of alternatives, including capital costs (such as construction costs, equipment costs, and disposal costs, engineering expenses) and site management costs (costs incurred after remedial construction is complete) necessary to ensure the continued effectiveness of a remedial action.

Since historic fill at the site was found during the RI to extend to a depth of up to 24 ft bg and the new building requires excavation of the entire site to a depth of at least 29 ft bg, the costs associated with both Alternative 1 and Alternative 2 would likely be the comparable. Both Alternatives require installation of a vapor barrier and SMD system.

Community Acceptance

This evaluation criterion addresses community opinion and support for the remedial action. Observations here will be supplemented by public comment received on the RAWP.

Based on the overall goals of the remedial program and initial observations by the project team, Alternatives 1 and 2 are acceptable to the community. This RAWP will be subject to and undergo public review under the NYC VCP and will provide the opportunity for detailed public input on the remedial alternatives and the selected remedial action. This public review will be considered by NYC OER prior to approval of this plan. A Citizen Participation Plan is included as Appendix D.

Land use

This evaluation criterion addresses the proposed use of the property. This evaluation has considered reasonably anticipated future uses of the site and takes into account: current use and historical and/or recent development patterns; applicable zoning laws and maps; NYS Department of State's Brownfield Opportunity Areas (BOA) pursuant to section 970-r of the general municipal law; applicable land use plans; proximity to real property currently used for residential use, and to commercial, industrial, agricultural, and/or recreational areas; environmental justice impacts, Federal or State land use designations; population growth patterns and projections; accessibility to existing infrastructure; proximity of the site to important cultural resources and natural resources, potential vulnerability of groundwater to contamination that might emanate from the site, proximity to flood plains, geography and geology; and current ICs applicable to the site.

Both alternatives are comparable with respect to the proposed use and to land uses in the vicinity of the site. The proposed use under both alternatives is consistent with the existing zoning designation for the property and recent development patterns. The site is surrounded by hotels and commercial and residential properties and both alternatives provide comprehensive protection of public health and the environment for these uses. Improvements of the current environmental condition of the property achieved by both alternatives are also consistent with the City's goals for cleanup of impacted land and bringing such properties into productive reuse. Both alternatives are equally protective of natural resources and cultural resources. This RAWP will be subject to public review under the NYC VCP and will provide the opportunity for detailed public input on the land use factors described in this section. This public review will be considered by OER prior to approval of this plan.

Sustainability of the Remedial Action

This criterion evaluates the overall sustainability of the remedial action alternatives and the degree to which sustainable means are employed to implement the remedial action including those that take into consideration NYC's sustainability goals defined in *PlaNYC: A Greener, Greater New York*. Sustainability goals may include: maximizing the recycling and reuse of non-virgin materials; reducing the consumption of virgin and non-renewable resources; minimizing energy consumption and greenhouse gas emissions; improving energy efficiency; and promotion of the use of native vegetation and enhancing biodiversity during landscaping associated with site development.

Alternatives 1 and 2 are comparable with respect to sustainability, energy consumption, and greenhouse gas emissions. A complete list of green remedial activities considered as part of the NYC VCP is included in the Sustainability Statement, included as Appendix E.

4.0 REMEDIAL ACTION

4.1 SUMMARY OF PREFERRED REMEDIAL ACTION

The preferred remedial action alternative is Alternative 1 or the Track 1 Alternative. The preferred remedial action alternative achieves protection of public health and the environment for the intended use of the property. The preferred remedial action alternative will achieve all of the remedial action objectives established for the project and addresses applicable SCGs. The preferred remedial action alternative is effective in both the short-term and long-term and reduces mobility, toxicity and volume of contaminants. The preferred remedial action alternative is cost effective and implementable and uses standards methods that are well established in the industry.

The proposed remedial action will consist of:

1. Preparation of a Community Protection Statement and performance of all required NYC VCP citizen participation activities according to an approved Citizen Participation Plan;
2. Implementation of a CAMP during foundation excavation for particulates and volatile organic carbon compounds;
3. Selection of 6 NYCRR Part 375 Table 6.8(a) Unrestricted Use (Track 1) SCOs for soil within the portion of the site where development is proposed. Track 4 SCOs will be established within the NYCEDC easement;
4. Site mobilization involving site security setup, equipment mobilization, utility mark outs and marking & staking excavation areas;
5. Excavation and removal of soil/fill exceeding Track 1 SCOs from below the proposed building footprint. Cellar level excavations will extend to depths of about 29 feet bg. One elevator pit (SE-1) will require excavation to about 36 feet bg and the two vehicle elevator pits will require excavation to about 34 feet bg. About 45,000 tons of soils will be excavated and transported off-site;
6. Screening of excavated soil/fill during intrusive work for indications of contamination by visual means, odor, and monitoring with a PID;
7. Management of excavated materials including temporarily stockpiling and segregating to prevent comingling of impacted material and non-impacted materials;
8. Transportation and off-site disposal of historic fill at permitted facilities in accordance with applicable laws and regulations for handling, transport, and

disposal, and this plan. Sampling and analysis of excavated media as required by disposal facilities. Appropriate segregation of excavated media onsite;

9. Removal of underground storage tanks (if encountered) and closure of petroleum spills (if discovered) in compliance with applicable local, State, and Federal laws and regulations;
10. Collection and analysis of nine end-point (confirmation) samples from the development area to confirm the achievement of the remedy with respect to attainment of SCOs;
11. Performance of all activities required for the remedial action, including permitting requirements and pretreatment requirements, in compliance with applicable laws and regulations.
12. Implementation of storm-water pollution prevention measures in compliance with applicable laws and regulations;
13. Submission of an Remedial Action Report (RAR) that describes the remedial activities, certifies that the remedial requirements have been achieved, defines the site boundaries, lists any changes from this RAWP, and describes all EC/ICs to be implemented for the easement (and below the proposed building footprint if a complete Track 1 cleanup is not achieved);

If Track 1 SCOs are not achieved, the following construction elements implemented will constitute ECs and ICs:

14. As part of development, construction and maintenance of a composite cover system consisting of a 5-inch concrete cellar slab and 60-inch mat concrete cellar slab over the building footprint to eliminate exposure to remaining soil and fill;
15. As part of development, installation of a waterproofing/vapor barrier system (with a minimum thickness of 20 mils) as per manufacturer's specifications beneath the building slab and around subsurface sidewalls;
16. As part of the new development, operation of an enclosed parking garage ventilated as per the New York City Mechanical Code;
17. As part of development, installation and operation of an SMD system under the waterproofing/vapor barrier system of occupied building areas except beneath the areas occupied by a ventilated parking garage;
18. Because Track 1 SCOs will not be achieved within the NYCEDC easement and the easement falls within the site, the property will continue to be registered with an E-Designation at the NYC Buildings Department. An SMP will be submitted with the RAR for the easement area (and building footprint if a Track 1 cleanup is not

achieved) for long-term management of residual contamination, including plans for operation, maintenance, monitoring, inspection and certification of ECs and ICs and reporting at a specified frequency. Establishment of ECs and ICs is a requirement and management of these controls must be in compliance with an approved SMP. ICs will include prohibition of the following: (1) vegetable gardening and farming; (2) use of groundwater without treatment rendering it safe for the intended use; (3) disturbance of residual impacted material unless it is conducted in accordance with the SMP; and (4) higher level of land usage without OER-approval. Additionally, an annual inspection of the SMD system for the first five years of operation will be included in the SMP. After the initial five years of operation, the SMD system may be converted to a passive system, based on inspection results.

4.2 SOIL CLEANUP OBJECTIVES AND SOIL/FILL MANAGEMENT

Track 1 SCOs are proposed for soil below the proposed building footprint. If Track 1 is not achieved below the building, the following Track 4 Site-Specific SCOs will be used:

Contaminant	Track 4 SCOs
Total SVOCs	250 mg/kg
Barium	750 mg/kg
Lead	1,000 mg/kg
Mercury	1.5 mg/kg

Soil and materials management on-site and off-site, including excavation, handling and disposal, will be conducted in accordance with the Soil/Materials Management Plan in Appendix B. The location of planned excavations is shown on Figure 4.

Discrete contaminant sources (such as hotspots) identified during the remedial action will be identified by GPS or surveyed. This information will be provided in the RAR.

Estimated Soil/Fill Removal Quantities

The approximate excavation will consist of removal of fill and native soil as follows:

- The average site elevation is assumed to be about el. 32;
- Historic fill extends to depths ranging from about 10 to 24 feet bg (el. 22 to 8);
- Native soil and extends below this general historic fill layer;

- Excavation of the about 28,725 square-foot cellar. The top of sub-cellar will be at el. 8.5 (23.5 ft below grade [ft bg]). The bottom of sub-cellar will be at about el. 3.5 (28.5 ft bg).
- The cellar slab will be about 5 inches thick (cellar slab) and 60 inches thick (mat slab).
- The SMD system will require about 8 inches of gravel below the cellar slab;
- The mass excavation will extend to about el. 29;
- Footing excavation to about el -1 (33 feet bg);
- Elevator pit excavations to about el -2 (34 feet bg) and el -4 (36 feet bg);
- The excavated historic fill soil volume is about 30,000 cubic yards or 45,000 tons (assuming a conversion factor of 1.5 tons per cubic yard); and
- Disposal facilities will be reported to OER when they are identified and prior to the start of remedial action.

End-Point Sampling

End-point samples will be analyzed for compounds and elements as described below utilizing the following methodology.

Soil analytical methods will include:

- Volatile organic compounds by EPA Method 8260;
- Semi-volatile organic compounds by EPA Method 8270;
- Target Analyte List metals; and
- Pesticides/PCBs by EPA Method 8081/8082.

New York State Environmental Laboratory Accreditation Program (ELAP)-certified labs will be used for all end-point sample analyses. Labs performing end-point sample analyses will be reported in the RAR. The RAR will provide a tabular and map summary of all end-point sample results and will include all data including non-detects and applicable standards and/or guidance values.

Removal actions for development purposes under this plan will be performed in conjunction with confirmation end-point sampling. Nine soil end-point samples will be collected from the base of excavation. To evaluate attainment of Track 1 SCOs, samples will be analyzed for VOCs, SVOCs, pesticides, PCBs and metals according to analytical methods described above. If Track 4 SCOs are pursued, analytes will include those for which SCOs have been

developed, including SVOCs and metals, according to analytical methods described above. One soil vapor end-point sample will be collected from below the base of excavation in accordance with the NYSDOH Final Guidance on Soil Vapor Intrusion, October 2006. Endpoint sampling locations are depicted on Figure 5.

If hotspots are identified during the remedial program, hotspot removal actions will be performed to ensure that hot-spots are fully removed. End-point sampling parameters will be those that are driving the hot-spot removal action and will be approved by OER. Analysis will be performed according to analytical methods described above. Frequency for hot-spot end-point sample collection is as follows:

1. For excavations less than 20 feet in total perimeter, at least one bottom sample and one sidewall sample biased in the direction of surface runoff.
2. For excavations 20 to 300 feet in perimeter:
   - For surface removals, one sample from the top of each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom for every 900 square feet of bottom area.
   - For subsurface removals, one sample from each sidewall for every 30 linear feet of sidewall and one sample from the excavation bottom for every 900 square feet of bottom area.
3. For sampling of volatile organics, bottom samples should be taken within 24 hours of excavation, and should be taken from the zero to six-inch interval at the excavation floor. Samples taken after 24 hours should be taken at six to twelve inches.
4. For impacted soil removal, post remediation soil samples for laboratory analysis should be taken immediately after impacted soil removal. If the excavation is enlarged horizontally, additional soil samples will be taken pursuant to bullets 1 through 3 above.

Post-remediation end-point sample locations and depth will be biased towards the areas and depths of highest contamination identified during previous sampling episodes unless field indicators such as field instrument measurements or visual impacts identified during the remedial action indicate that other locations and depths may be more heavily impacted. In all cases, post-remediation samples should be biased toward locations and depths of the highest expected impacts.

If light non-aqueous phase liquids (LNAPL) and/or dense non-aqueous phase liquids (DNAPL) are detected, appropriate samples will be collected for characterization and "finger print analysis" and required regulatory reporting (i.e. spills hotline) will be performed.

Quality Assurance/Quality Control

Quality Assurance/Quality Control (QA/QC) sampling will consist of collecting blind field duplicates and field blanks. Langan will perform a completeness check of the analytical data packages and review QA/QC observations and deficiencies.

Collected samples will be appropriately packaged, placed in coolers and shipped via overnight courier or delivered directly to the analytical laboratory by field personnel. Samples will be containerized in appropriate laboratory provided glassware and shipped in plastic coolers. Samples will be preserved through the use of ice or "cold-paks" to maintain a temperature of 4 degrees Celsius.

Dedicated disposable sampling materials will be used for the collection of endpoint samples, eliminating the need to prepare field equipment blanks. However, if non-disposable equipment is used, (stainless steel scoop, etc.) field blanks will be prepared at the rate of 1 for every 20 samples collected. Decontamination of non-dedicated sampling equipment will consist of the following:

- Gently tap or scrape to remove adhered soil
- Rinse with tap water
- Wash with Alconox® detergent solution and scrub
- Rinse with tap water
- Rinse with distilled or deionized water

Field blanks will be prepared by pouring distilled or deionized water over decontaminated equipment and collecting the water in laboratory provided containers. Trip blanks will be used whenever samples are transported to the laboratory for analysis of VOCs. Trip blanks will not be used for samples to be analyzed for metals, SVOCs or pesticides. One blind duplicate sample will be prepared and submitted for analysis for every 20 samples of each matrix.

Import and Reuse of Soils

Import of soil is not anticipated for this work. Any import of soil onto the property and reuse of soil already onsite will be performed in conformance with the Soil/Materials Management Plan included in Appendix B.

4.3 ENGINEERING CONTROLS

The excavation required for the proposed site development will achieve Track 1 SCOs. Track 1 remedial actions do not require ECs. However, a composite cover system will be maintained for the easement area. In addition, a composite cover system and soil vapor barrier will be incorporated into the building foundation design as part of the development. If Track 1 is not achieved within the building footprint, these two elements will constitute ECs that will be employed in the remedial action to address residual contamination remaining at the site.

Composite Cover System

As part of the new development, the entire property will be covered by an engineered permanent cover system. This cover system will be comprised of a 5-inch thick cellar slab and 60-inch thick mat concrete cellar slab beneath the area of the proposed building and pavement and/or at least two feet of certified clean fill within the easement area.

If Track 1 SCOs are not achieved within the footprint of the proposed building, the composite cover system will be a permanent EC. The composite cover system for the easement area (and building footprint if a Track 1 cleanup is not achieved) will be inspected and reported at specified intervals as required by this RAWP and the SMP. A Soil Management Plan will be included in the SMP and will outline the procedures to be followed in the event that the composite cover system and underlying residual soil/fill is disturbed after the remedial action is complete. Maintenance of this composite cover system will be described in the SMP in the RAR.

The site is anticipated to be capped with an impervious hard surface cover. In the event that a landscaped area is constructed, it will be capped with a minimum of two feet of clean fill/top soil or gravel imported from an approved facility/source. For clean soil or top soil, it will be segregated at the source or facility. Qualified environmental personnel will collect representative soil samples at a frequency of one sample for every 500 cubic yards, and analyze the samples for 6 NYCRR Part 375 VOCs, SVOCs, pesticides/PCBs and metals by a NYSDOH ELAP-certified laboratory. Soil or fill imported to the site will meet the 6 NYCRR Part 375 Unrestricted Use SCOs for use below the building and Residential Use SCOs for use within the easement area. The clean soil or top soil will not be transported to the site until it is confirmed that the SCO criteria are met. The clean soil or top soil will not be comprised of any

construction and demolition debris. A highly visible demarcation barrier (i.e., orange construction fence or equivalent) will be installed beneath the two-foot clean soil or top soil barrier and on top of the residual impacted soil. The Contractor shall be responsible for implementation of all remedial measures described herein. The Remedial Engineer will oversee implementation and document operations.

Vapor Barrier

As part of development, migration of potential soil vapor from off-site sources will be achieved with a combination of the building slab and vapor barrier. A seamless waterproofing/vapor barrier system will be incorporated as part of the foundation construction. Site development plans include a waterproofing membrane (W.R. Grace & Co. Construction Products, Inc. Preprufe and Bituthene, or equivalent) installed underneath the cellar floor slab and along the sub-grade exterior of the foundation walls. The membrane will also function as a vapor barrier that provides complete protection against vapor infiltration into the building. The RAR will include photographs of the installation process. A soil vapor barrier plan is included as Figure 6. Soil vapor barrier specifications and a compatibility letter are included in Appendix F.

The specifications for installation will be provided to the construction management company and the foundation contractor or installer of the liner. The specifications will state that all vapor barrier seams, penetrations, and repairs will be sealed either by the tape method or weld method, according to the manufacturer's recommendations and instructions.

A Professional Engineer licensed by the State of New York will have primary direct responsibility for overseeing the implementation of the vapor barrier. The extent of the proposed vapor barrier membrane is provided in Figure 6. Product specification sheets are provided in Attachment F. The RAR will include photographs (maximum of two photos per page) of the installation process, PE/RA certified letter (on company letterhead) from primary contractor responsible for installation oversight and field inspections, and a copy of the manufacturers certificate of warranty.

Sub-Slab Depressurization System

An SMD system will be installed where the building use immediately above is not an enclosed parking garage that is ventilated as per the requirements of the New York City Mechanical Code. An SMD system creates a depressurized (low vacuum) field beneath the existing floor slab by extracting the sub-slab air with a ventilator mounted on the roof of the building. This low vacuum field reverses the natural pressure gradient and diverts potentially

impacted vapors from the subsurface of the buildings, to the atmosphere at the building rooftop level. This reduces the potential for vapor intrusion into the building. The SMD system will be comprised of a series of 4-inch diameter perforated pipes installed within a 6-inch layer of gravel, below the building slab, which will be used to draw soil vapor by fans mounted on the roof. The design for the SMD system will be based on EPA Draft Guidance Document EPA/6251R-92 concerning sub-slab depressurization of large buildings and schools and the NYSDOH document entitled "Guidance for Evaluating Soil Vapor Intrusion in the State of New York" (October 2006). A conceptual SMD system layout is included as Figure 7. SMD system details are shown on Figures 7A through 7C. The Remedial Engineer will oversee implementation and document operations. An annual inspection of the SMD system for the first five years of operation will be included in the SMP. After the initial five years of operation, the SMD system may be converted to a passive system, based on inspection results.

4.5 INSTITUTIONAL CONTROLS

ICs are not required on sites that achieve Track 1 Remedial Action. If Track 1 SCOs are not achieved in the footprint of new building, ICs will be utilized to manage residual soil/fill and other media and render the site protective of public health and the environment. ICs are required in the NYCEDC easement area. ICs are listed below. Long-term employment of EC/ICs will be implemented under a site-specific SMP for the easement area that will be included in the RAR. The building area will not be included in the SMP if Track 1 SCOs are achieved. The property will continue to be registered with an E-Designation by the NYC Department of Buildings because the NYCEDC easement will not be remediated to meet Track 1 objectives.

ICs for this remedial action are:

- Because the NYCEDC easement area will not meet Track 1 SCOs, the site will continue to be registered with an E-Designation at the NYC Department of Buildings. This RAWP includes a description of all ECs and ICs and summarizes the requirements of the SMP which will note that the property owner and property owner's successors and assigns must comply with the approved SMP;
- Submittal of an SMP for the easement area (and including the building area if Track 1 SCOs are not achieved) in the RAR for approval by OER that provides procedures for appropriate operation, maintenance, monitoring, inspection, reporting and certification of ECs. Additionally, a requirement for an annual inspection of the SMD system for the first five years of operation will be included in the SMP. After the initial five years of operation, the SMD system may be converted to a passive system, based on inspection

results. The SMP will require that the property owner and property owner's successors and assigns will submit to OER a periodic written statement that certifies that: (1) controls employed at the site are unchanged from the previous certification or that any changes to the controls were approved by OER; and, (2) nothing has occurred that impairs the ability of the controls to protect public health and environment or that constitute a violation or failure to comply with the SMP. OER retains the right to enter the SMP area in order to evaluate the continued maintenance of any controls. This certification shall be submitted at a frequency to be determined by OER in the SMP and will comply with RCNY §43-1407(l)(3);

- Vegetable gardens and farming within the easement are prohibited in contact with residual impacted soil materials;
- Use of groundwater underlying the easement is prohibited without treatment rendering it safe for its intended use; and
- All future activities on the site and within the easement that will disturb residual material must be conducted pursuant to the soil management provisions in an approved SMP.

4.6 SITE MANAGEMENT PLAN

Site management is not required on sites that achieve Track 1 Remedial Action. Site management will be required for the easement area. Additionally, a requirement for an annual inspection of the SMD system for the first five years of operation will be included in the SMP. After the initial five years of operation, the SMD system may be converted to a passive system, based on inspection results. Site management is the last phase of remediation and begins with the approval of the RAR and issuance of the Notice of Completion (NOC) for the Remedial Action. The SMP describes appropriate methods and procedures to ensure implementation of all ECs and ICs in the easement area and if a Track 1 cleanup is not achieved within the building. The SMP is submitted as part of the RAR but will be written in a manner that allows its use as an independent document. Site management continues until terminated in writing by OER. The property owner is responsible to ensure that all site management responsibilities defined in the SMP are implemented.

The SMP will provide a detailed description of the procedures required to manage residual soil/fill left in place within the easement (and within the building footprint if Track 1 SCOs are not achieved) following completion of the remedial action and annual inspection of the SMD system for at least the first five years of operation in accordance with the Voluntary Cleanup Agreement with OER. This includes a plan for: (1) implementation of EC's and ICs;

(2) implementation of monitoring programs; (3) operation and maintenance of EC's; (4) inspection and certification of EC's; and (5) reporting.

Site management activities, reporting, and EC/IC certification will be scheduled by OER on a periodic basis to be established in the SMP and will be subject to review and modification by OER. The SMP will be based on a calendar year and certification reports will be due for submission to OER by July 31 of the year following the reporting period.

4.7 QUALITATIVE HUMAN HEALTH EXPOSURE ASSESSMENT

The objective of the qualitative exposure assessment is to identify potential receptors and pathways for human exposure to the contaminants of concern (COC) that are present at, or migrating from, the site. The identification of exposure pathways describes the route that the COC takes to travel from the source to the receptor. An identified pathway indicates that the potential for exposure exists; it does not imply that exposures actually occur.

Investigations reported in the RIR are sufficient to complete a Qualitative Human Health Exposure Assessment (QHHEA). As part of the VCP process, a QHHEA was performed to determine whether the site poses an existing or future health hazard to the site's exposed or potentially exposed population. The sampling data from the RI were evaluated to determine whether there is any health risk by characterizing the exposure setting, identifying exposure pathways, and evaluating contaminant fate and transport. This QHHEA was prepared in accordance with Appendix 3B and Section 3.3 (b) 8 of the NYSDEC Draft DER-10 Technical Guidance for Site Investigation and Remediation.

Known and Potential Sources

The most recent use of the property was through single-story brick buildings occupied by retail businesses, which were demolished in 2007. Analysis of aerial photographs and Sanborn Fire Insurance Maps indicate that previous property development also consisted of residential and commercial dwellings.

The Areas of Concern (AOCs) identified during previous investigations are described below:

- On-site AOC;
    - Surface cover consists of historic fill material.
- Off-site AOC; and

- A dry cleaner located about 30 ft west of the site in 1950;
- A dry cleaner located about 50 ft west of the site from at least 1969 to 1996;
- A historic gasoline station with several underground storage tanks (USTs) located about 100 ft from the site from at least 1938 to 1980;
- A dry cleaner located about 120 ft northwest of the site from at least 1969 to 1996;
- A dry cleaner located about 370 ft east of the site in 1969; and
- Fill pipes were observed east of the site at 208 and 216 Myrtle Avenue during the 2007 Phase I site reconnaissance, indicating the presence of USTs adjacent to the site (this property, assumed to be 81 Fleet Place, is currently undergoing construction and there was no evidence of a petroleum release associated with USTs during construction).

Investigations conducted at the site identified contamination in soil, groundwater and soil vapor as listed below:

Soil:

- SVOCs including chrysene, benzo(a)anthracene benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene detected above Restricted Residential SCOs in shallow soil samples;
- Pesticides 4,4'-DDD, 4,4'-DDE 4-4'-DDT, and chlordane exceeded Unrestricted Use SCOs but were below Restricted Residential Use SCOs; and
- Metals, including barium, lead, and mercury were detected at concentrations above Restricted Residential SCOs in shallow soil samples. None of metals exceeded Restricted Residential Use SCOs in deeper soils.

Groundwater:

- The VOCs chloroform, cis-1,2-dichloroethene, tetrachloroethene (PCE), and trichloroethylene (TCE) were detected above AWQS in several groundwater samples;
- Dissolved manganese and sodium were detected above AWQS in groundwater; and
- One pesticide, dieldren, was detected above the AWQS in one groundwater sample.

Soil Vapor:

- Chlorinated VOCs, including carbon tetrachloride, PCE, and TCE, were detected at concentrations above the NYSDOH Matrix requiring monitoring/mitigation in several soil vapor samples.

Nature, Extent, Fate and Transport of Contaminants

Potential routes of migration for PCE and TCE within the site are principally through the flow of groundwater. Transport of source material depends on groundwater flow, physical and chemical properties of the contaminants, and subsurface features. Laterally, groundwater flow will transport dissolved-phase impacts via processes such as diffusion and dispersion. Vertically, PCE and TCE are denser than water and dissolved-phase source material will likely descend until retarded. The bedrock identified during a previous geotechnical study will act as a confining layer.

Potential Routes of Exposure

An exposure pathway begins with a source and mechanism of contaminant release, resulting in the contamination of a receiving matrix (environmental medium). A complete exposure pathway also requires a point of potential contact with the contaminated matrix (i.e., exposure point), an exposure route (i.e., inhalation, ingestion, or dermal contact), and a receptor population. If an exposure pathway is not complete because it does not include a contaminated matrix, a point of potential contact, an exposure route, or a receptor, then no risk exists.

Currently, the site has no occupied structures, is either capped with asphalt or concrete or inaccessible due to security fencing, and groundwater is not used for any purpose; therefore, there are no potential routes of exposure under current conditions.

During construction, impacted soil, soil vapor and groundwater will be encountered and potential routes of exposure (inhalation, ingestion, or dermal contact) exist for construction workers and people adjacent to the site.

After construction is complete, the building area will be capped with a building slab and a waterproofing/vapor barrier and SMD system will be in-place and the easement will have a paved cover; therefore, there are no potential routes of exposure under future post-construction conditions. There is the possibility that residual impacted groundwater will remain on-site and off-site sources of groundwater will migrate to the site. Groundwater in this area of New York City is not a source of drinking water; therefore, the pathway for ingestion is not complete.

Existence of Human Health Exposure

Under current conditions, there is no existence of human exposure considering the absence of a potential exposure route. During implementation of the remedy, the potential for human exposure exists, considering there is a source and pathway to exposure. Under post-construction conditions, there is no existence of human exposure considering the absence of a potential exposure route.

Receptor Populations

The receptors identified during implementation of the proposed remedy include:

- On-site workers: adult (remediation and construction workers);
- Temporary worker: adult (utility worker/inspector, subcontractors, sampler/remediation inspector); and
- Public adjacent to the site

The receptors identified after the proposed remedy is implemented and under future site use as a mixed-use commercial, community, and residential development include:

- Adult and child patrons of the retail areas;
- Tenants of the future building;
- On-site workers: staff and maintenance workers; and
- Temporary worker: adult (utility worker/inspector, landscape worker, construction worker).

The receptors identified above are believed to be the primary receptors of interest.

Overall Human Health Exposure Assessment

There are no complete exposure pathways (i.e., source, route to exposure, receptor population) for the current condition and for the post-construction condition. There is a potential complete, unacceptable exposure pathway that requires mitigation during implementation of the remedy. This assessment takes into consideration the reasonably anticipated use of the site, which includes a mixed-use structures, a concrete slab below the building and a paved cover within the easement, and a subsurface waterproofing/vapor barrier and SMD system for the building. Potential post-construction use of groundwater is not considered an option because

groundwater in New York City is not used as a potable water source. There are no surface waters in close proximity to the site that could be impacted or threatened.

The potentially exposed receptors during remedy implementation are workers on the site and the public adjacent to the site. Unacceptable exposure pathways will be mitigated or eliminated by proper implementation of a CHASP and CAMP. The CHASP specifies appropriate monitoring and controls required to mitigate/eliminate the pathway between sources and site workers. The CAMP specifies appropriate monitoring and controls required to mitigate/eliminate the pathway between sources and the adjacent public.

5.0 REMEDIAL ACTION MANAGEMENT

5.1 PROJECT ORGANIZATION AND OVERSIGHT

The Professional Engineer (PE) for this project is Jason Hayes, PE and Senior Associate with Langan.

5.2 SITE SECURITY

Site access will be controlled by 24-hour security and gated entrances to the fenced property.

5.3 WORK HOURS

The hours for operation of remedial construction will be in accordance with the New York City Department of Buildings construction code requirements.

5.4 CONSTRUCTION HEALTH AND SAFETY PLAN

The CHASP is included in Appendix G. The Site Safety Coordinator will be William Bohrer. Remedial work performed under this RAWP will be in full compliance with applicable health and safety laws and regulations, including site and OSHA worker safety requirements and Hazardous Waste Operations and Emergency Response (HAZWOPER) requirements. Confined space entry, if any, will comply with OSHA requirements and industry standards and will address potential risks. The parties performing the remedial construction work will ensure that performance of work is in compliance with the CHASP and applicable laws and regulations. The CHASP pertains to remedial and invasive work performed at the site until the issuance of the Notice of Completion.

All remedial oversight field personnel involved in remedial activities will participate in training required under 29 CFR 1910.120, including 40-hour hazardous waste operator training and annual 8-hour refresher training. The Site Safety Officer will be responsible for maintaining workers training records.

Personnel entering any exclusion zone will be trained in the provisions of the CHASP and be required to sign a CHASP acknowledgment. Site-specific training will be provided to

field personnel. Additional safety training may be added depending on the tasks performed. Emergency telephone numbers will be posted at the site location before any remedial work begins. A safety meeting will be conducted before each shift begins. Topics to be discussed include task hazards and protective measures (physical, chemical, environmental), emergency procedures, PPE levels, and other relevant safety topics. Meetings will be documented in a log book or specific form.

An emergency contact sheet with names and phone numbers is included in the CHASP. That document will define the specific project contacts for use in case of emergency.

5.5 COMMUNITY AIR MONITORING PLAN

Real-time air monitoring for VOCs and particulate levels at the perimeter of the exclusion zone or work area will be performed. Continuous monitoring will be performed for all ground intrusive activities and during the handling of impacted or potentially impacted media. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pit excavation or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be performed during non-intrusive activities such as the collection of soil samples or the collection of groundwater samples from existing monitoring wells. Periodic monitoring during sample collection, for instance, will consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. Depending upon the proximity of potentially exposed individuals, continuous monitoring may be performed during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence. Concentrations above action levels that are observed during performance of the CAMP will be reported to the OER Project Manager and included in the Daily Report.

VOC Monitoring, Response Levels, and Actions

VOCs will be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis during invasive work. Upwind concentrations will be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work will be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment will be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment will be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities will resume with continued monitoring.
- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities will be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities will resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.
- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities will be shutdown.

All 15-minute readings must be recorded and be available for OER personnel to review. Instantaneous readings, if any, used for decision purposes will also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations will be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring will be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques will be employed. Work will continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.
- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work will be stopped and

a re-evaluation of activities initiated. Work will resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

All readings will be recorded and be available for OER personnel to review.

5.6 AGENCY APPROVALS

All permits or government approvals required for remedial construction have been or will be obtained prior to the start of remedial construction. Approval of this RAWP by OER does not constitute satisfaction of these requirements and will not be a substitute for any required permit.

5.7 SITE PREPARATION

Pre-Construction Meeting

OER will be invited to attend the pre-construction meeting at the site with all parties involved in the remedial process prior to the start of remedial construction activities.

Mobilization

Mobilization will be conducted as necessary for each phase of work at the site. Mobilization includes field personnel orientation, equipment mobilization (including securing all sampling equipment needed for the field investigation), marking/staking sampling locations and utility mark-outs. Each field team member will attend an orientation meeting to become familiar with the general operation of the site, health and safety requirements, and field procedures.

Utility Marker Layouts, Easement Layouts

The presence of utilities and easements on the site will be fully investigated prior to the performance of invasive work such as excavation or drilling under this plan by using, at a minimum, the One-Call System (811). Underground utilities may pose an electrocution, explosion, or other hazard during excavation or drilling activities. All invasive activities will be performed incompliance with applicable laws and regulations to assure safety. Utility companies and other responsible authorities will be contacted to locate and mark the locations, and a copy of the Markout Ticket will be retained by the contractor prior to the start of drilling, excavation or other invasive subsurface operations. Overhead utilities may also be present within the anticipated work zones. Electrical hazards associated with drilling in the vicinity of overhead

utilities will be prevented by maintaining a safe distance between overhead power lines and drill rig masts.

Proper safety and protective measures pertaining to utilities and easements, and compliance with all laws and regulations will be employed during invasive and other work contemplated under this RAWP. The integrity and safety of on-site and off-site structures will be maintained during all invasive, excavation or other remedial activity performed under the RAWP.

Dewatering

If required during excavation of the elevator pits and trench drains, dewatering will be performed as specified herein. Dewatering will be completed by the Contractor in accordance with a New York City Department of Environmental Protection (NYCDEP) permit. As part of the permit process, additional groundwater samples will be collected and be analyzed for NYCDEP dewatering parameters. All dewatering will be conducted in accordance with NYCDEP regulations regarding discharge to the municipal sewer (including appropriate groundwater sampling and permitting) and NYSDEC regulations regarding groundwater discharge. A copy of the NYCDEP or NYSDEC sewer discharge permit will be provided by the Contractor to the Remedial Engineer for inclusion in the PE-certified RAR submitted to OER.

Equipment and Material Staging

Equipment and materials will be stored and staged in a manner that complies with applicable laws and regulations.

Stabilized Construction Entrance

Steps will be taken to ensure that trucks departing the site will not track soil, fill or debris off-site. Such actions may include use of cleaned asphalt or concrete roads or use of stone or other aggregate-based egress paths between the truck inspection station and the property exit. Measures will be taken to ensure that adjacent roadways will be kept clean of project related soils, fill and debris.

Truck Inspection Station

An outbound-truck inspection station will be set up close to the site exit. Before exiting the NYC VCP Site, trucks will be required to stop at the truck inspection station and will be examined for evidence of impacted soil on the undercarriage, body, and wheels. Soil and debris will be removed. Brooms, shovels and potable water will be utilized for the removal of soil from vehicles and equipment, as necessary.

Extreme Storm Preparedness and Response Contingency Plan

Damage from flooding or storm surge can include dislocation of soil and stockpiled materials, dislocation of site structures and construction materials and equipment, and dislocation of support of excavation structures. Damage from wind during an extreme storm event can create unsafe or unstable structures, damage safety structures and cause downed power lines creating dangerous site conditions and loss of power. In the event of emergency conditions caused by an extreme storm event, the enrollee will undertake the following steps for site preparedness prior to the event and response after the event.

Storm Preparedness

Preparations in advance of an extreme storm event will include the following: containerized hazardous materials and fuels will be removed from the property; lose materials will be secured to prevent dislocation and blowing by wind or water; heavy equipment such as excavators and generators will be removed from holes, trenches and depressions on the property to high ground or removed from the property; an inventory of the property with photographs will be performed to establish conditions for the site and equipment prior to the event; stockpile covers for soil and fill will be secured by adding weights such as sandbags for added security and worn or ripped stockpile covers will be replaced with competent covers; stockpiled hazardous wastes will be removed from the property; stormwater management systems will be inspected and fortified, including, as necessary: clean and reposition silt fences, haybales; clean storm sewer filters and traps; and secure and protect pumps and hosing.

Storm Response

At the conclusion of an extreme storm event, as soon as it is safe to access the property, a complete inspection of the property will be performed. A site inspection report will be submitted to OER at the completion of site inspection and after the site security is assessed. Site conditions will be compared to the inventory of site conditions and material performed prior to the storm event and significant differences will be noted. Damage from storm conditions that result in acute public safety threats, such as downed power lines or imminent collapse of buildings, structures or equipment will be reported to public safety authorities via appropriate means such as calling 911. Petroleum spills will be reported to NYSDEC within 2 hours of identification and consistent with State regulations. Emergency and spill conditions will also be reported to OER. Public safety structures, such as construction security fences will be repaired promptly to eliminate public safety threats. Debris will be collected and removed. Dewatering will be performed in compliance with existing laws and regulations and consistent with emergency notifications, if any, from proper authorities. Eroded areas of soil including unsafe slopes will be

stabilized and fortified. Dislocated materials will be collected and appropriately managed. Support of excavation structure will be inspected and fortified as necessary. Impacted stockpiles will be contained and damaged stockpile covers will be replaced. Storm-water control systems and structures will be inspected and maintained as necessary. If soil or fill materials are discharged off-site to adjacent properties, property owners and OER will be notified and corrective measure plan designed to remove and clean dislocated material will be submitted to OER and implemented following approval by OER and granting of site access by the property owner. Impacted off-site areas may require characterization based on site conditions, at the discretion of OER. If on-site petroleum spills are identified, a qualified environmental professional will determine the nature and extent of the spill and report to NYSDEC's spill hotline at 800-457-7362. If the source of the spill is ongoing and can be identified, it should be stopped if this can be done safely. Potential hazards will be addressed immediately, consistent with guidance issued by NYSDEC.

Storm Response Reporting

A site inspection report will be submitted to OER at the completion of site inspection. An inspection report established by OER is available on OER's website (www.nyc.gov/oer) and will be used for this purpose. Site conditions will be compared to the inventory of site conditions and material performed prior to the storm event and significant differences will be noted. The site inspection report will be sent to the OER project manager and will include the site name, address, tax block and lot, site primary and alternate contact name and phone number. Damage and soil release assessment will include: whether the project had stockpiles; whether stockpiles were damaged; photographs of damage and notice of plan for repair; report of whether soil from the site was dislocated and whether any of the soil left the site; estimates of the volume of soil that left the site, nature of impact, and photographs; description of erosion damage; description of equipment damage; description of damage to the remedial program or the construction program, such as damage to the support of excavation; presence of on-site or off-site exposure pathways caused by the storm; presence of petroleum or other spills and status of spill reporting to NYSDEC; description of corrective actions; schedule for corrective actions. This report should be completed and submitted to OER project manager with photographs within 24 hours of the time of safe entry to the property after the storm event.

5.8 TRAFFIC CONTROL

Drivers of trucks leaving the site with soil/fill will be instructed to proceed without stopping in the vicinity of the site to prevent neighborhood impacts. The planned route on local roads for trucks leaving the site is depicted on Figure 8 and listed below:

1. Continue on Fleet Place towards Myrtle Avenue;
2. Turn left onto Myrtle Avenue;
3. Turn right onto Flatbush Avenue;
4. Continue to the Manhattan Bridge;
5. Continue to Canal Street;
6. Turn right onto West Street;
7. Continue onto 11th Avenue;
8. Continue onto 12th Avenue;
9. Turn right onto West 40th Street; and
10. Merge onto New York 495 W / Lincoln Tunnel

5.9 DEMOBILIZATION

Demobilization will include:

- As necessary, restoration of temporary access areas and areas that may have been disturbed to accommodate support areas (e.g., staging areas, decontamination areas, storage areas, temporary water management areas, and access area);
- Removal of sediment from erosion control measures and truck wash and disposal of materials in accordance with applicable laws and regulations;
- Equipment decontamination; and
- General refuse disposal.

Equipment will be decontaminated and demobilized at the completion of all field activities. Investigation equipment and large equipment (*e.g.*, soil excavators) will be washed at the truck inspection station as necessary. In addition, all investigation and remediation derived waste will be appropriately disposed.

5.10 REPORTING AND RECORD KEEPING

Daily Reports

Daily reports providing a general summary of activities for each day of active remedial work will be emailed to the OER Project Manager by the end of the following day. Those reports will include:

- Project number and statement of the activities and an update of progress made and locations of work performed;
- Quantities of material imported and exported from the site;
- Status of on-site soil/fill stockpiles;
- A summary of all citizen complaints, with relevant details (basis of complaint, actions taken, etc.);
- A summary of CAMP excursions, if any; and
- Photograph of notable site conditions and activities.

The frequency of the reporting period may be revised in consultation with OER project manager based on planned project tasks. Daily email reports are not intended to be the primary mode of communication for notification to OER of emergencies (accidents, spills), requests for changes to the RAWP or other sensitive or time critical information. However, such information will be included in the daily reports. Emergency conditions and changes to the RAWP will be communicated directly to the OER project manager by personal communication. Daily reports will be included as an Appendix in the RAR.

Record Keeping and Photo-Documentation

Job-site record keeping for all remedial work will be performed. These records will be maintained on-site during the project and will be available for inspection by OER staff. Representative photographs will be taken of the site prior to any remedial activities and during major remedial activities to illustrate remedial program elements and contaminant source areas. Photographs will be submitted at the completion of the project in the RAR in digital format (i.e. jpeg files).

5.11 COMPLAINT MANAGEMENT

All complaints from citizens will be promptly reported to OER. Complaints will be addressed and outcomes will also be reported to OER in daily reports. Notices to OER will include the nature of the complaint, the party providing the complaint, and the actions taken to resolve any problems.

5.12 DEVIATIONS FROM THE REMEDIAL ACTION WORK PLAN

All changes to the RAWP will be reported to the OER Project Manager and will be documented in daily reports and reported in the RAR. The process to be followed if there are

any deviations from the RAWP will include a request for approval for the change from OER noting the following:

- Reasons for deviating from the approved RAWP;
- Effect of the deviations on overall remedy; and
- Determination that the remedial action with the deviation(s) is protective of public health and the environment.

6.0 REMEDIAL ACTION REPORT

An RAR will be submitted to OER following implementation of the remedial action defined in this RAWP. The RAR will document that the remedial work required under this RAWP has been completed and has been performed in compliance with this plan. The RAR will include:

- Information required by this RAWP;
- As-built drawings for all constructed remedial elements, required certifications, manifests and other written and photographic documentation of remedial work performed under this remedy;
- SMP for the easement area and the building footprint if a Track 1 cleanup is not achieved. An annual inspection of the SMD system for the first five years of operation will also be included in the SMP. After the initial five years of operation, the SMD system may be converted to a passive system, based on inspection results;
- Description of any changes in the remedial action from the elements provided in this RAWP and associated design documents;
- Tabular summary of all end point sampling results and all material characterization results, QA/QC results for end-point sampling, and other sampling and chemical analysis performed as part of the remedial action and DUSR;
- Test results or other evidence demonstrating that remedial systems are functioning properly;
- Account of the source area locations and characteristics of all impacted material removed from the site including a map showing source areas;
- Account of the disposal destination of all impacted material removed from the site;
- Documentation associated with disposal of all material will include transportation and disposal records, and letters approving receipt of the material;
- Account of the origin and required chemical quality testing for material imported onto the site; and
- Reports and supporting material will be submitted in digital form.

Remedial Action Report Certification

The following certification will appear in front of the Executive Summary of the Remedial Action Report. The certification will include the following statement:

I, Jason Hayes, am currently a professional engineer licensed by the State of New York. I had primary direct responsibility for implementation of the remedial program for the 86 Fleet Place site (VCP Site Number 15CVCP014K).

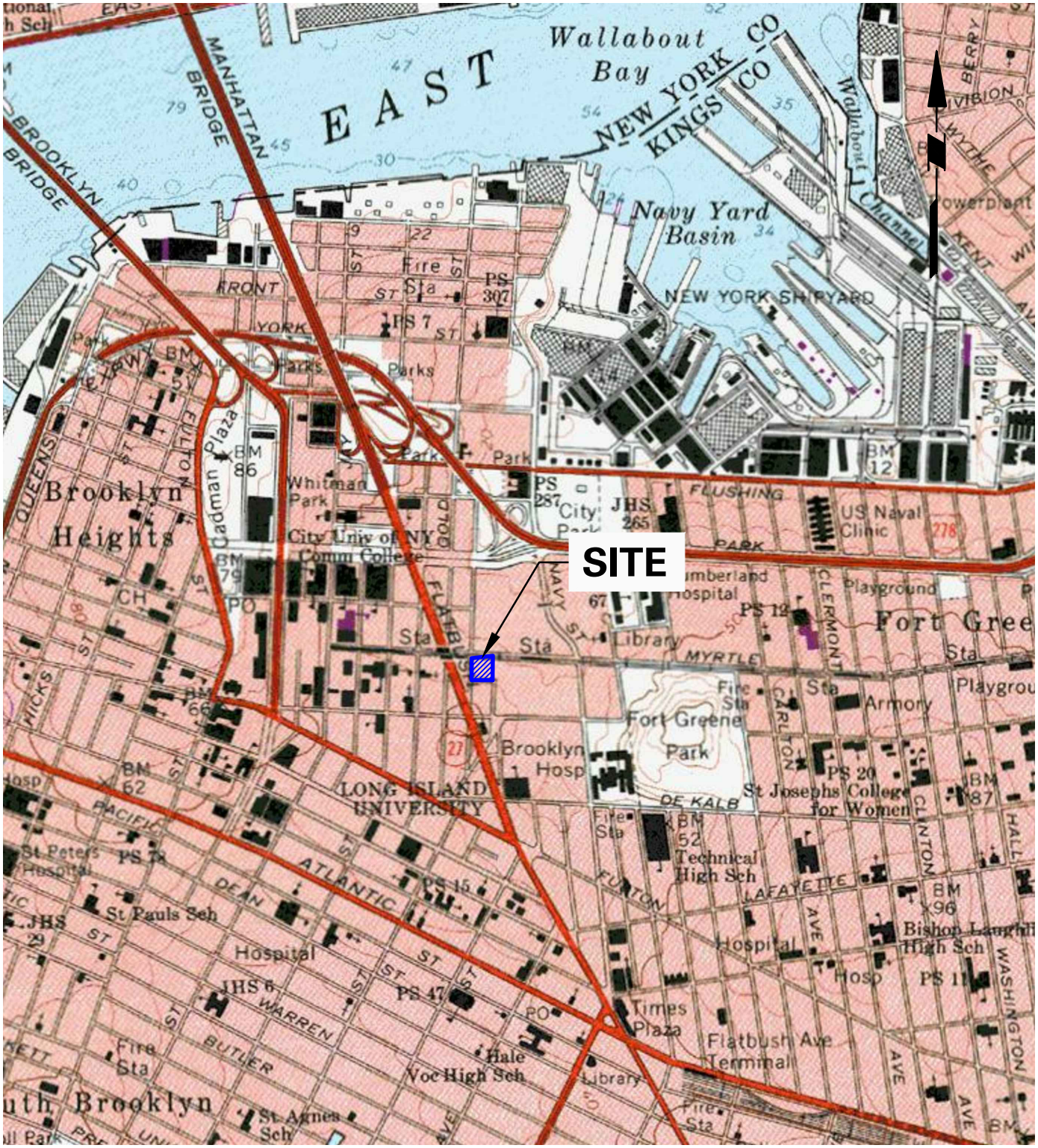
I certify that the OER-approved Remedial Action Work Plan dated [month day year] and Stipulations in a letter dated [month day, year]; if any were implemented and that all requirements in those documents have been substantively complied with. I certify that contaminated soil, fill, liquids or other material from the property were taken to facilities licensed to accept this material in full compliance with applicable laws and regulations.

7.0 SCHEDULE

The table below presents a schedule for the proposed remedial action and reporting. If the schedule for remediation and development activities changes, it will be updated and submitted to OER. Currently, a 13- month remediation period is anticipated.

Schedule Milestone	Weeks from Remedial Action Start	Duration (weeks)
OER Approval of RAWP	0	-
Fact Sheet 2 announcing start of remedy	0	-
Mobilization	2	2
Remedial Excavation	42	40
Demobilization	44	2
Submit Remedial Action Report	56	12

FIGURES



WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

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86 FLEET PLACE

BLOCK No. 2061, LOT No. 50
BROOKLYN

KINGS NEW YORK

SITE LOCATION MAP

170303101	1
8/12/2014	
NTS	
KMS	
	Sheet 1 of 8

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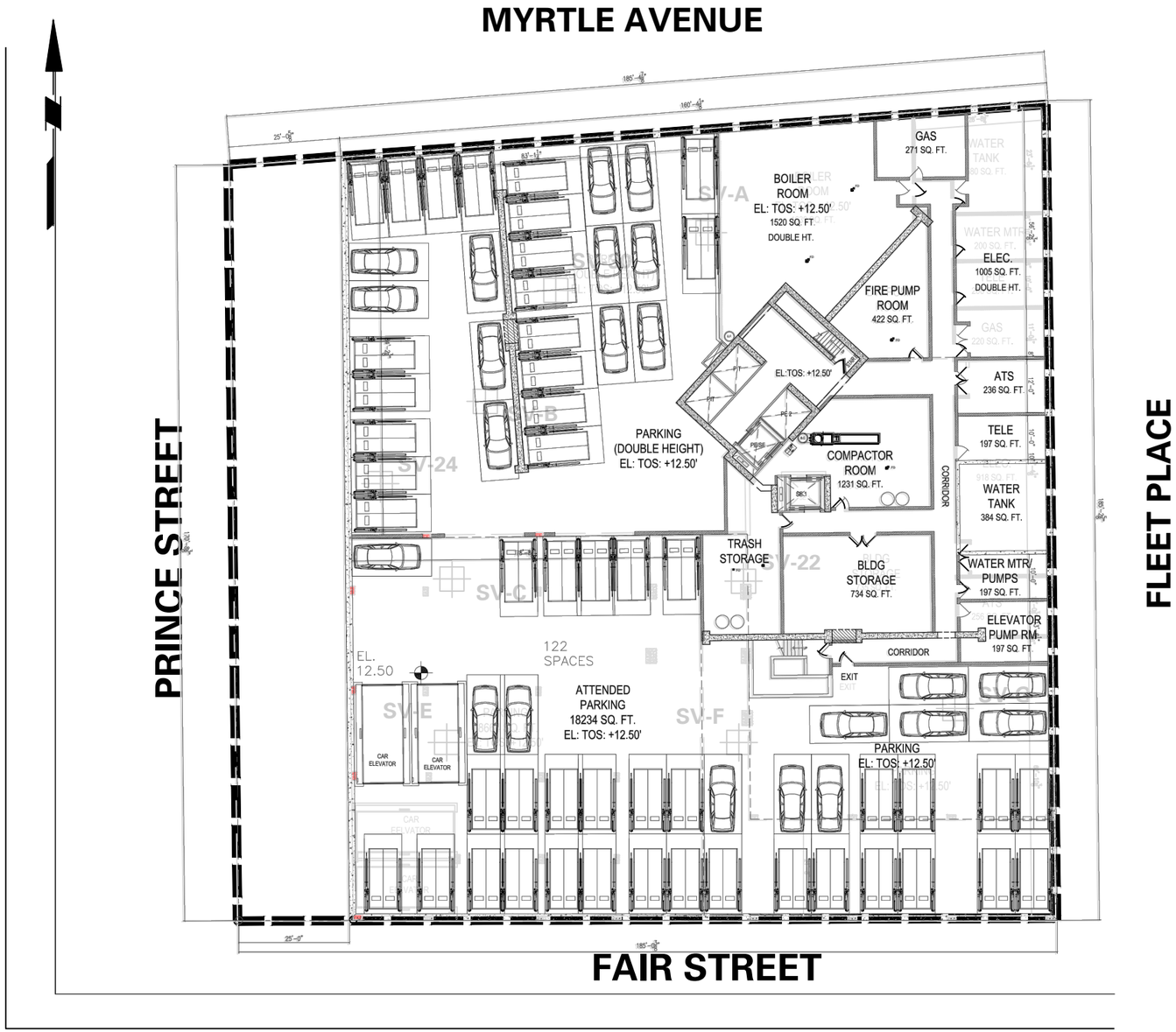

LEGEND:

APPROXIMATE SITE BOUNDARY

NOTES:

1. BASE MAP TAKEN FROM GOLDSTEIN, HILL & WEST ARCHITECTS, LLP SUB-CELLAR FLOOR PLAN DATED AUGUST 6, 2014.
2. VAPOR BARRIER MEMBRANE TO BE INSTALLED BETWEEN THE NEW CONCRETE SLAB AND UNDERLYING SUB-GRADE LAYER UNDERNEATH THE BASEMENT. THE VAPOR BARRIER WILL EXTEND ALONG THE FOUR WALLS OF THE BASEMENT STRUCTURE FROM THE BASE OF EXCAVATION TO SURFACE GRADE LEVEL.

30 0 15 30

SCALE IN FEET

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Project	Drawing Title	Project No. 170303101	Figure No.
86 FLEET PLACE BLOCK No. 2061, LOT No. 50 BROOKLYN NEW YORK	SITE PLAN	Date 08/12/2014 Scale 1" = 30' Drawn By JL Submission Date	2 Sheet 2 of 8

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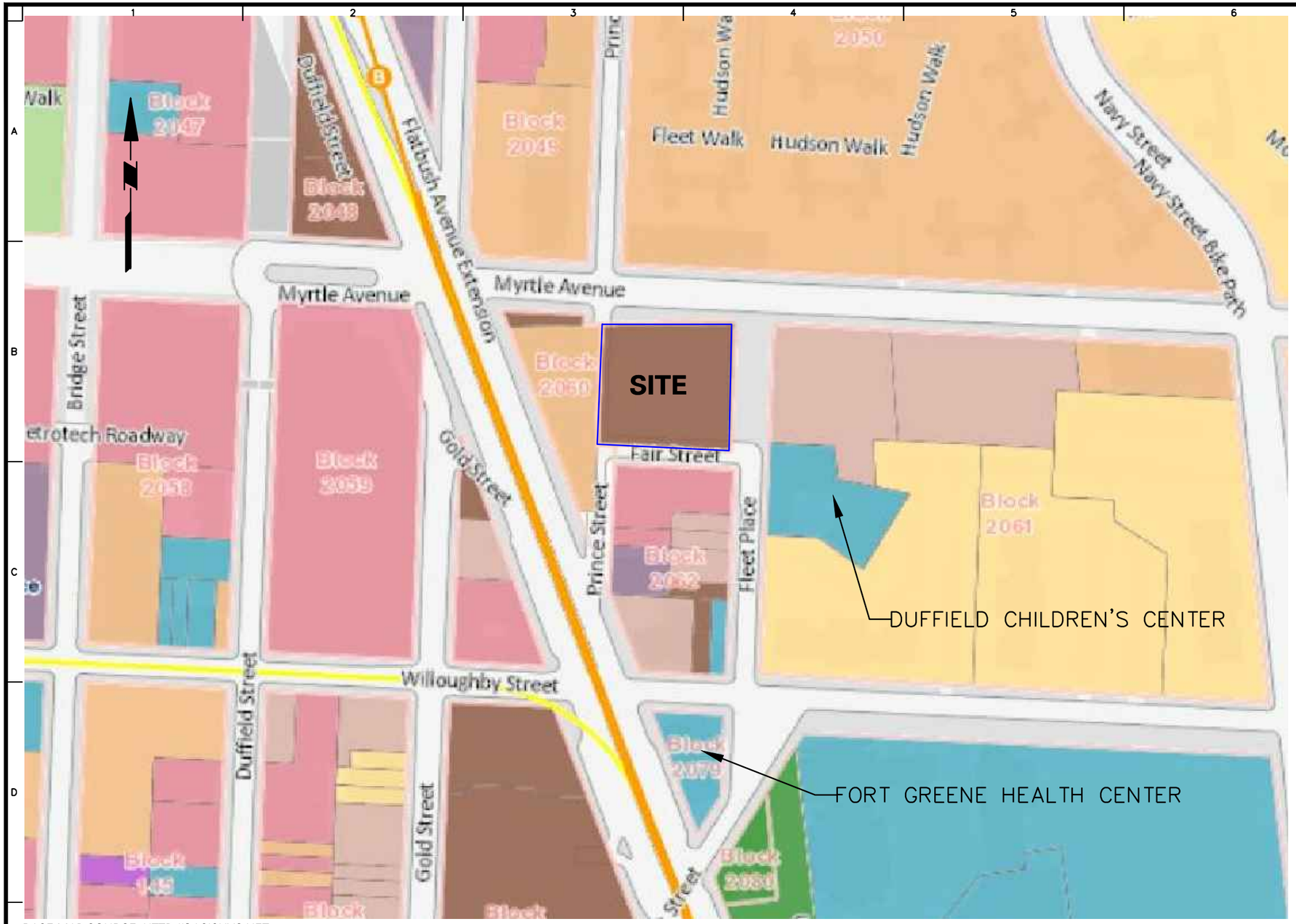

BASE MAP SOURCE: HTTP://OASISNYC.NET

LEGEND:

- 1 & 2 FAMILY RESIDENTIAL
- MULTI-FAMILY RESIDNETIAL
- MIXED USE
- OPEN SPACE & OUTDOOR
- COMMERCIAL
- INSTITUTIONS
- INDUSTRIAL
- PARKING
- TRANSPORTATOIN/UTILITIES
- VACANT LOTS
- APPROXIMATE SITE BOUNDARY

150 0 50 100 150
SCALE IN FEET

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Project
86 FLEET PLACE
BLOCK No. 2061, LOT No. 50
BROOKLYN **NEW YORK**

Drawing Title
SURROUNDING LAND USE PLAN

Project No. 170303101	Drawing No. 3
Date 8/12/2014	
Scale 1" = 150'	
Drawn By KMS / Checked By	
Submission Date	Sheet 3 of 8

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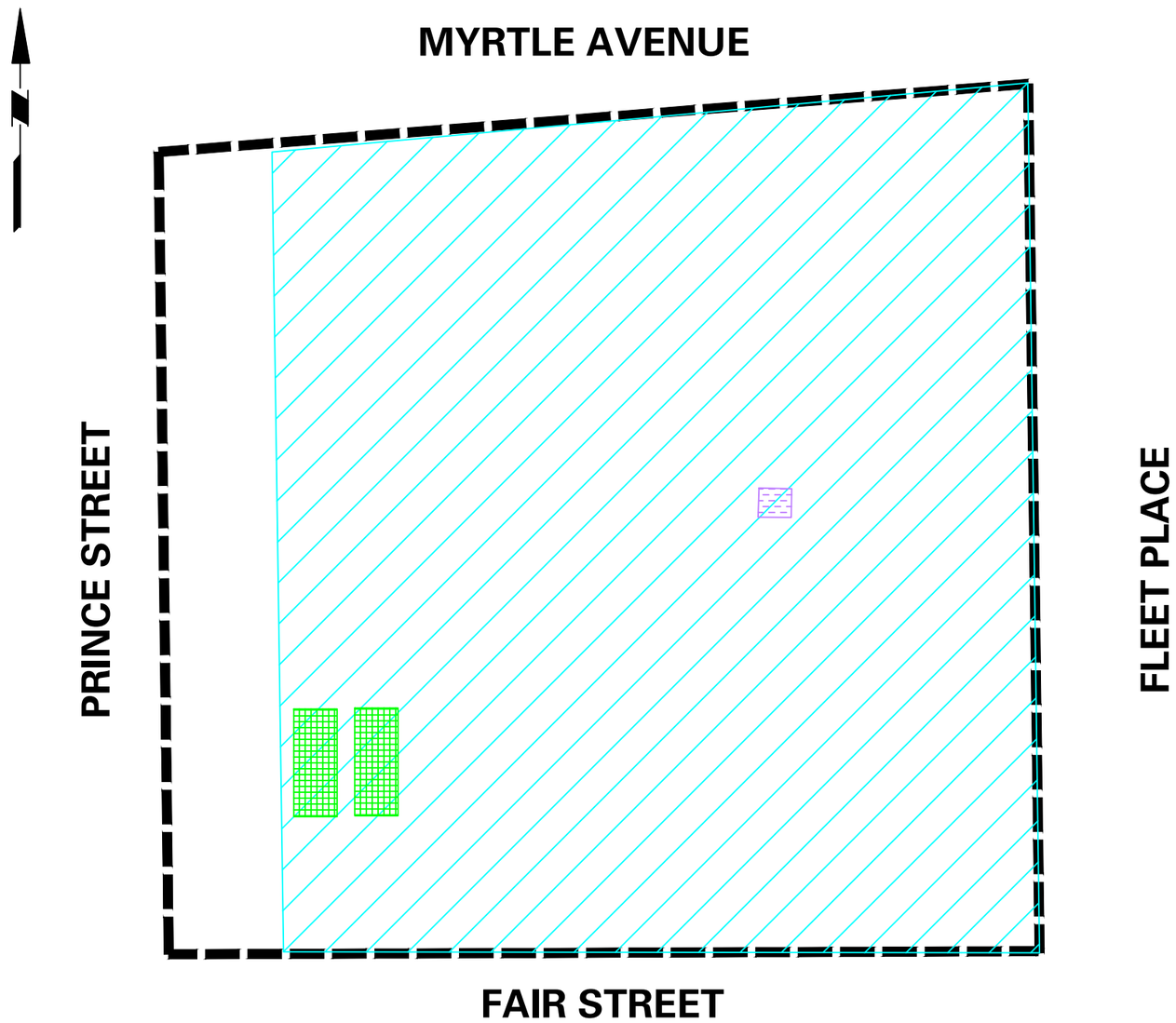
Filename: \\langan.com\data\NY\data1\170303101\Cadd Data - 170303101\2D-Design-Files\Environmental\RAP\Figures 1 and 3.dwg Date: 8/12/2014 Time: 15:30 User: jleung Style Table: Langan.stb Layout: ANSIB-BL



LEGEND:

- APPROXIMATE SITE BOUNDARY
- PROPOSED EXCAVATION TO ABOUT 29 FEET BELOW GRADE (FT BG)
- PROPOSED EXCAVATION OF VEHICLE ELEVATOR PITS TO ABOUT 34 FT BG
- PROPOSED EXCAVATION OF SERVICE ELEVATOR PIT TO ABOUT 36 FT BG

30 0 15 30

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Project
86 FLEET PLACE
BLOCK No. 2061, LOT No. 50
BROOKLYN **NEW YORK**

Drawing Title
SITE EXCAVATION PLAN

Project No. 170303101	Figure No. 4
Date 09/10/2014	
Scale 1" = 30'	
Drawn By JL	
Submission Date	Sheet 4 of 8

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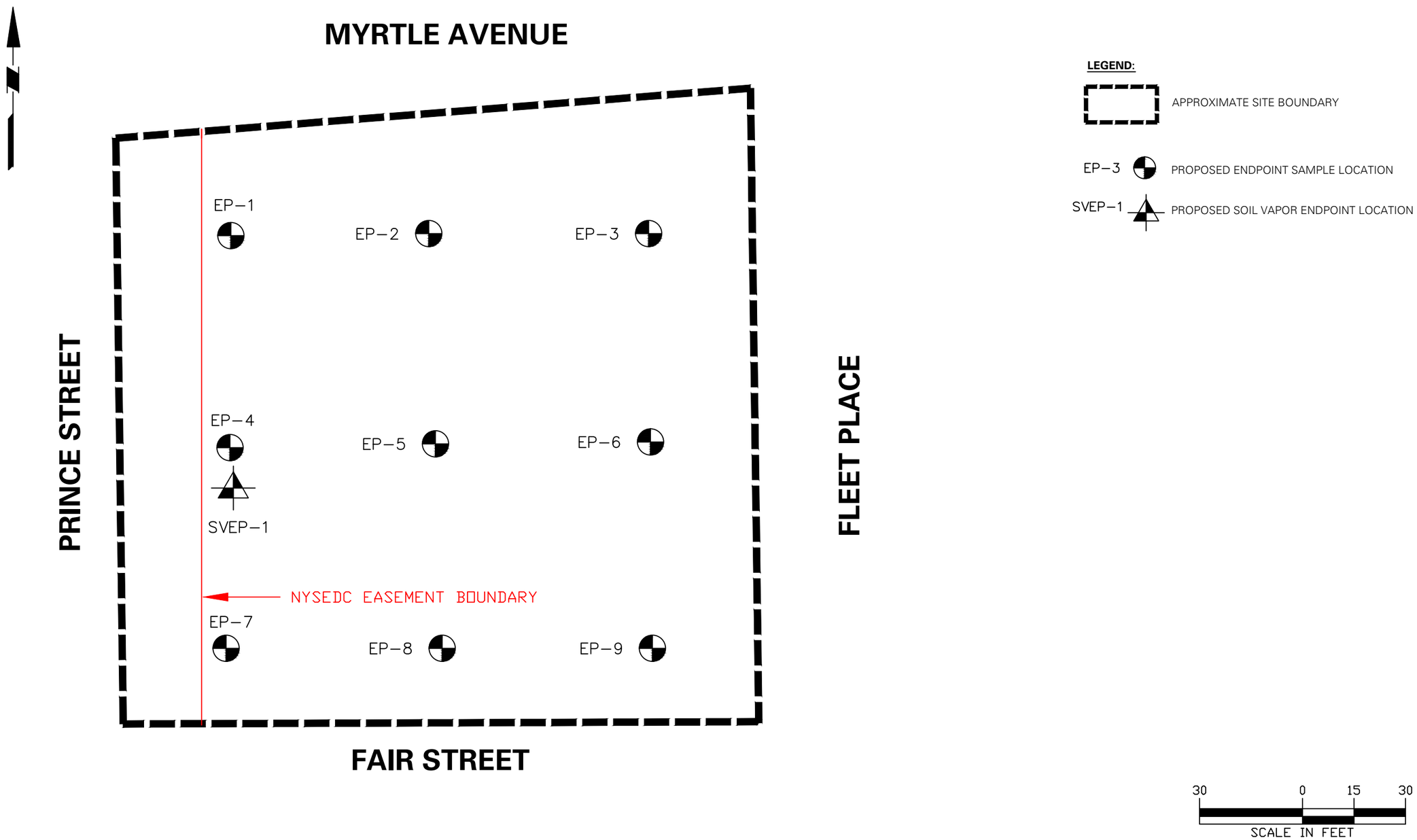
Filename: \\langan.com\data\NY\data1\170303101\Cadd Data - 170303101\2D-DesignFiles\Environmental\RAP\Figure 4- Site Excavation Plan.dwg Date: 9/10/2014 Time: 12:12 User: jleung Style Table: Autodesk-MONO.stb Layout: ANSIB-BL



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Project
86 FLEET PLACE
BLOCK No. 2061, LOT No. 50
BROOKLYN NEW YORK

Drawing Title
PROPOSED ENDPOINT SAMPLE PLAN

Project No. 170303101	Figure No. 5
Date 08/12/2014	
Scale 1" = 30'	
Drawn By JL	
Submission Date	Sheet 5 of 8

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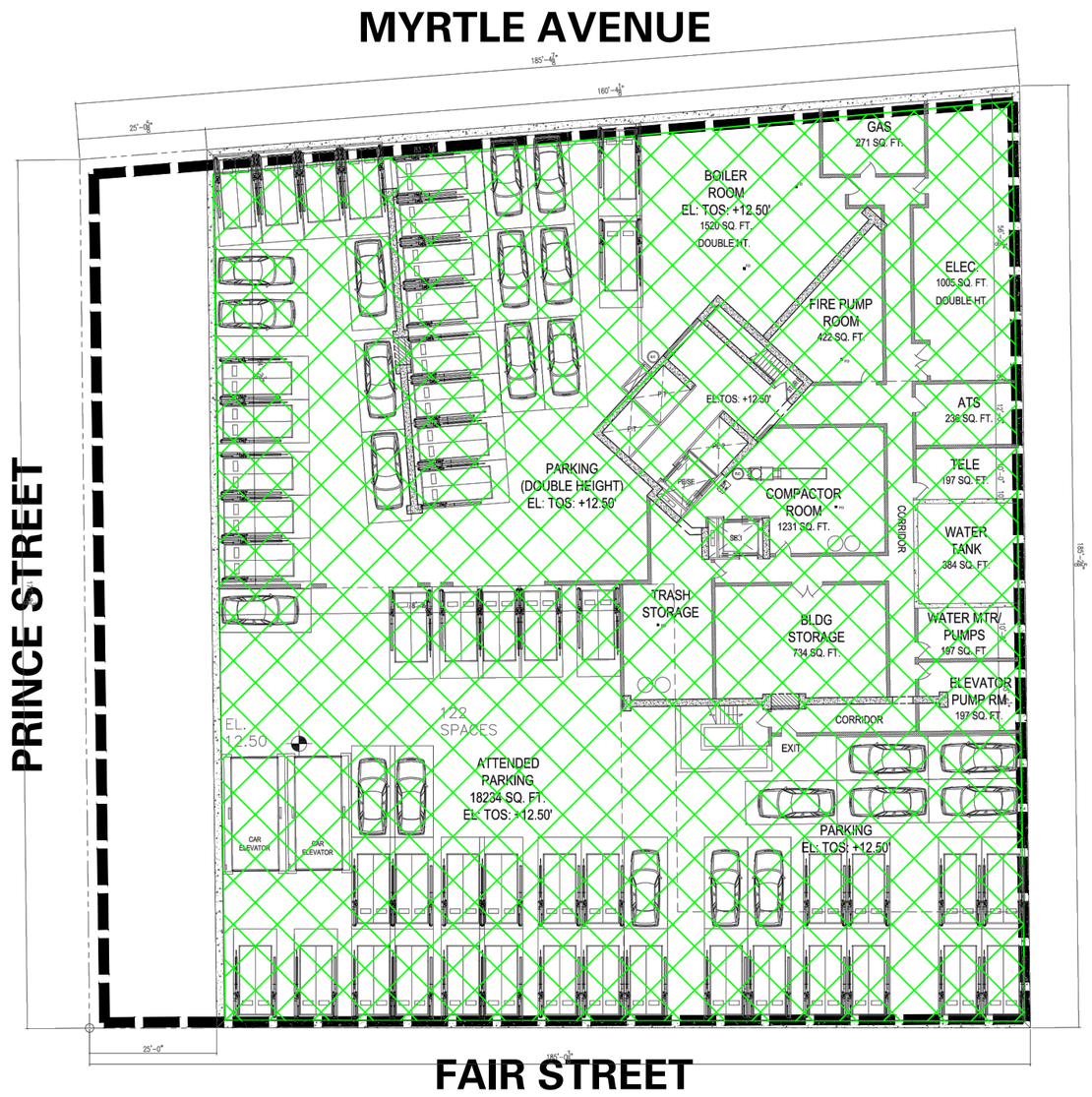
Filename: \\langan.com\data\NY\data1\170303101\Cadd Data - 170303101\2D-DesignFiles\Environmental\RAP\Figure 5- Proposed Endpoint Sample Map.dwg Date: 8/12/2014 Time: 14:40 User: jleung Style Table: Autodesk-MONO.stb Layout: ANSIB-BL



LEGEND:

APPROXIMATE SITE BOUNDARY

APPROXIMATE VAPOR BARRIER EXTENT

NOTES:

1. BASE MAP TAKEN FROM GOLDSTEIN, HILL & WEST ARCHITECTS, LLP SUB-CELLAR FLOOR PLAN DATED AUGUST 6, 2014.
2. VAPOR BARRIER MEMBRANE TO BE INSTALLED BETWEEN THE NEW CONCRETE SLAB AND UNDERLYING SUB-GRADE LAYER UNDERNEATH THE BASEMENT. THE VAPOR BARRIER WILL EXTEND ALONG THE FOUR WALLS OF THE BASEMENT STRUCTURE FROM THE BASE OF EXCAVATION TO SURFACE GRADE LEVEL.
3. VAPOR BARRIER SHALL HAVE A MINIMUM THICKNESS OF 20 MILS.

30 0 15 30

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Project
86 FLEET PLACE
BLOCK No. 2061, LOT No. 50
BROOKLYN NEW YORK

Drawing Title
VAPOR BARRIER LOCATION PLAN

Project No. 170303101	Figure No. 6
Date 8/12/2014	
Scale 1" = 30'	
Drawn By JL	
Submission Date	Sheet 6 of 8

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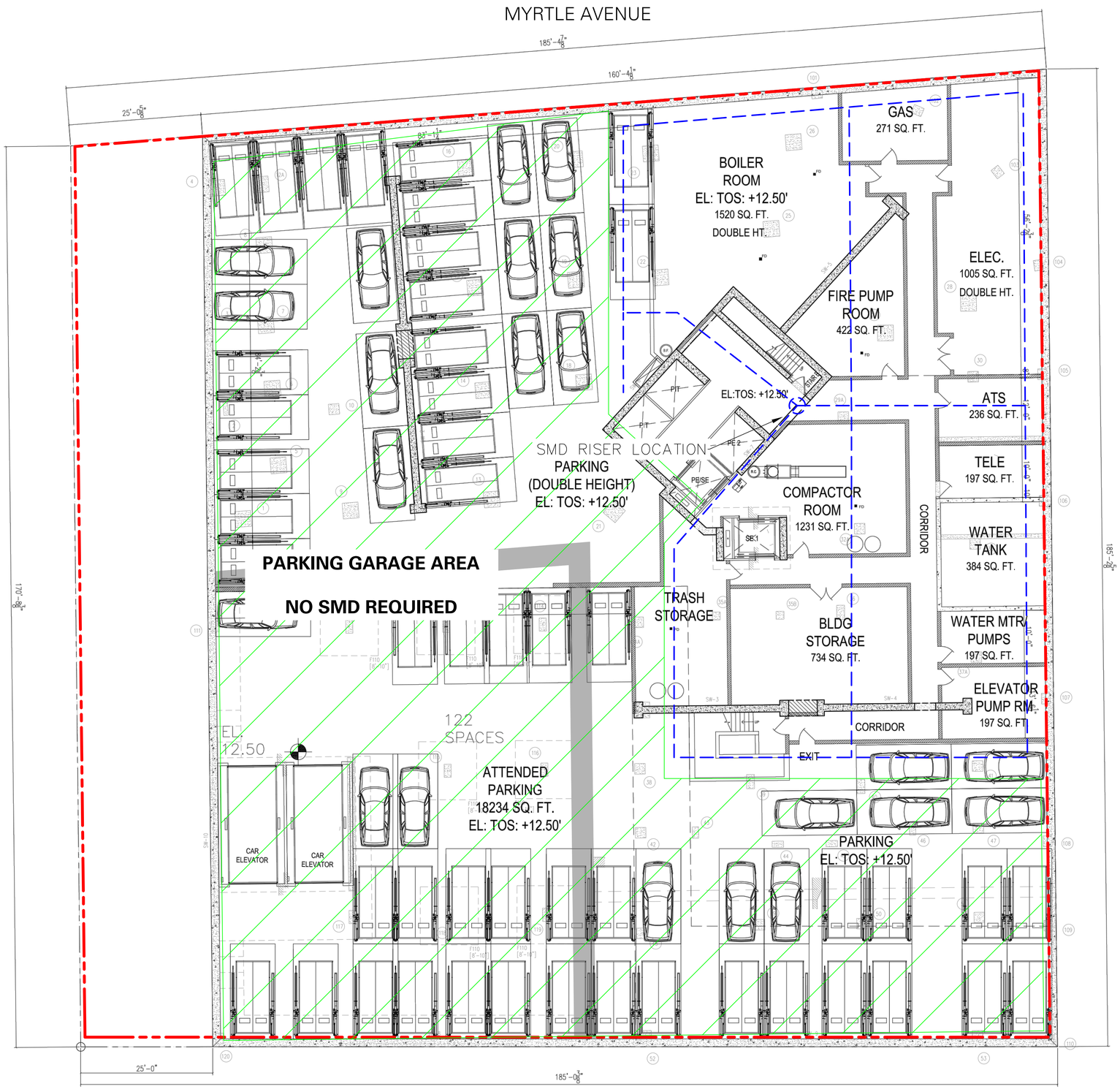


FLEET PLACE

LEGEND:

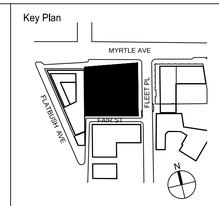
- PROJECT BOUNDARY
- SMD PIPE
- APPROXIMATE RISER PIPE LOCATION
- SMD NOT REQUIRED IN THIS AREA

GENERAL NOTES:

1. BASE MAP TAKEN FROM ARCHITECTURAL "SUB-CELLAR FLOOR PLAN", PROVIDED BY GOLDSTEIN, HILL & WEST ARCHITECTS, LLP, DATED 8/5/2014.
2. VAPOR BARRIER EXTENDS BELOW THE FOOTPRINT AND ALONG THE VERTICAL WALLS OF FOUNDATION COMPONENTS. VAPOR BARRIER SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.
3. VAPOR COLLECTION PIPE RUNS ARE APPROXIMATE. PIPE LOCATIONS ARE SUBJECT TO CHANGE PER FIELD CONDITIONS.
4. RISER PIPE STUB LOCATION IS APPROXIMATE. RISER PIPE RUNS, ROOF-TOP BLOWER AND EXHAUST POINT LOCATIONS TO BE DESIGNED BY OTHERS.
5. SUBMEMBRANE DEPRESSURIZATION SYSTEM (SMD) AND BAPOR BARRIER DETAILS ARE SHOWN ON DRAWINGS N-102 THROUGH N-104.

DRAFT CONCEPTUAL PLAN
NOT FOR CONSTRUCTION

Key Plan



Number:	Date:	Revision
	10/01/14	HUB FILING SET
	09/23/14	OER SUBMISSION
	09/02/14	BUDGETING SET
	08/06/14	HPD SUBMISSION
	07/11/14	SCHEMATIC DESIGN- EASEMENT REV
	06/20/14	SCHEMATIC DESIGN

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PROJECT

86 FLEET PLACE
86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB ISSCAN:

DOB STAMPS & SIGNATURES:

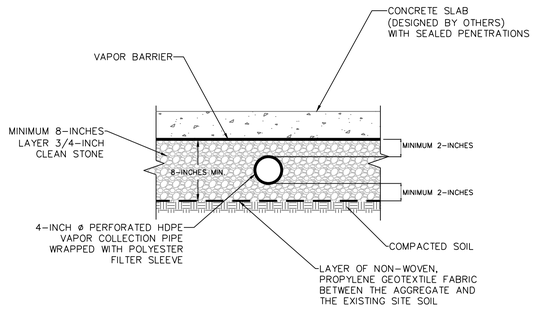
NB# 320627292

DWG TITLE

CONCEPTUAL SMD PLAN

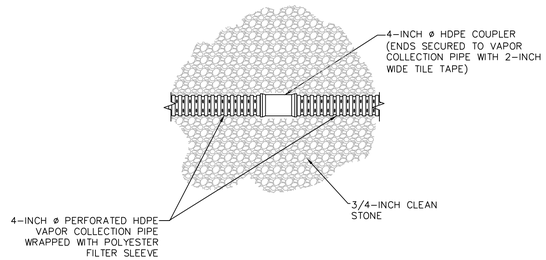
SEAL & SIGNATURE:

DATE:	9/25/14
PROJECT #:	14A01
SCALE:	1" = 10'
DWG NO:	7
	Sheet 7 of 8



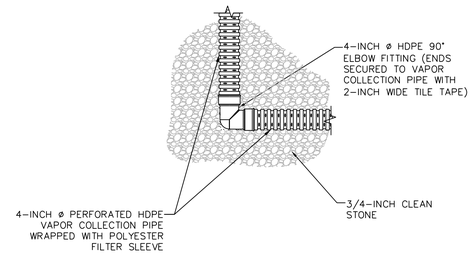
DETAIL 1: TYPICAL SECTION FOR VAPOR COLLECTION PIPE AND VAPOR BARRIER

NOT TO SCALE



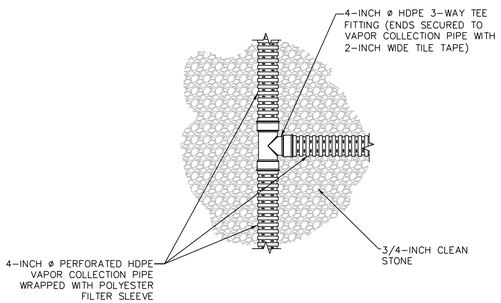
DETAIL 2: TYPICAL COUPLER CONNECTION FOR VAPOR COLLECTION PIPE (PLAN VIEW)

NOT TO SCALE



DETAIL 3: TYPICAL 90° ELBOW FITTING CONNECTION FOR VAPOR COLLECTION PIPE (PLAN VIEW)

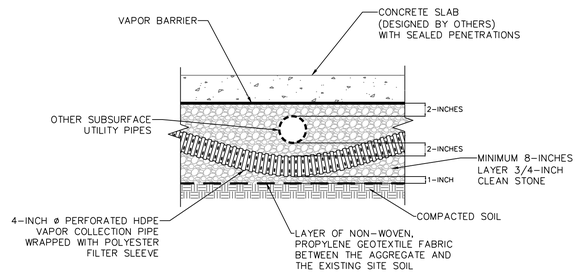
NOT TO SCALE



DETAIL 4: TYPICAL 3-WAY TEE FITTING CONNECTION FOR VAPOR COLLECTION PIPE (PLAN VIEW)

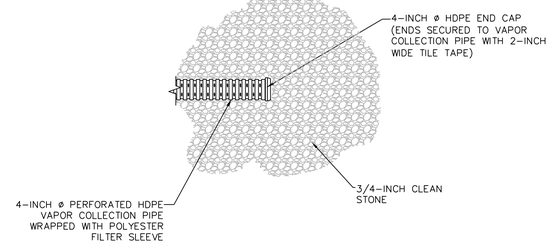
NOT TO SCALE

NOTE: DETAIL 5 ONLY APPLIES WHERE 4-INCH HDPE VAPOR COLLECTION PIPE DOES NOT FIT ABOVE UTILITY PIPE.



DETAIL 5: TYPICAL DETAIL AT LOCATIONS OTHER SUBMEMBRANE UTILITY PIPE OVERLIES PERFORATED SUBSLAB PIPE

NOT TO SCALE



DETAIL 6: TYPICAL END CAP CONNECTION FOR VAPOR COLLECTION PIPE (PLAN VIEW)

NOT TO SCALE

GENERAL NOTES:

1. DESIGN DETAILS AND DRAWING ARE ADAPTED FROM EPA DOCUMENT EPA/625/R-92/016.
2. INSTALLATION OF THE SUBMEMBRANE COMPONENTS AND RISER PIPE MUST BE COORDINATED WITH THE INSTALLATION OF OTHER UTILITIES AND STRUCTURAL COMPONENTS.
3. SOLID-SUBMEMBRANE PIPE SHALL BE 4-INCH ø FLEXIBLE, CORRUGATED, SMOOTH INTERIOR, HIGH DENSITY POLYETHYLENE (HDPE) PIPE WITH A MINIMUM PIPE STIFFNESS OF 35 POUNDS PER SQUARE INCH (PSI) AT 5% DEFLECTION.
4. SOLID-SUBMEMBRANE PIPE SHALL MAINTAIN A MINIMUM SLOPE OF 1/8" PER LINEAR FOOT SLOPING DOWN FROM THE RISER PIPE LOCATION.
5. PERFORATED VAPOR COLLECTION PIPE SHALL BE 4-INCH ø FLEXIBLE, CORRUGATED, SMOOTH INTERIOR, PERFORATED, HIGH DENSITY POLYETHYLENE (HDPE) PIPE WITH A MINIMUM PIPE STIFFNESS OF 35 POUNDS PER SQUARE INCH (PSI) AT 5% DEFLECTION. PERFORATIONS SHALL BE SLOT-TYPE. THERE SHALL BE, AT A MINIMUM, THREE EQUALLY SPACED PERFORATIONS PER GROOVE (I.E. DEPRESSED SECTION OF THE PIPE) OF THE CORRUGATED PIPE. PERFORATIONS ON ALTERNATING GROOVES SHALL BE OFF-SET.
6. TOP OF PERFORATED VAPOR COLLECTION PIPE SHALL BE 2 INCHES FROM THE BOTTOM OF SLAB. WHEN NECESSARY, PERFORATED VAPOR COLLECTION PIPE MAY BE ROUTED UNDERNEATH OTHER UTILITIES AND PIPING IN THE SUBSURFACE; TOP OF PERFORATED VAPOR COLLECTION PIPE SHOULD NOT EXCEED 12 INCHES FROM THE BOTTOM OF THE SLAB.
7. ALL FITTINGS AND CONNECTIONS FOR THE VAPOR COLLECTION PIPE SHALL BE 4-INCH ø HDPE FITTINGS, MADE BY THE SAME MANUFACTURER AS THE 4-INCH ø PIPE, AND OF THE TYPE RECOMMENDED BY THE MANUFACTURER FOR USE WITH THE 4-INCH ø PIPE. SECURE ALL FITTINGS AND CONNECTIONS WITH 2-INCH WIDE TILE TAPE.
8. POLYESTER FILTER SLEEVES SHALL HAVE A MINIMUM AIR PERMEABILITY OF 70 CUBIC FEET/SQUARE FEET/MINUTE.
9. RISER PIPE (DESIGNED BY OTHERS) SHALL BE 4-INCH ø METAL PIPE OR OTHER MATERIAL THAT COMPLIES WITH APPLICABLE BUILDING CODE.
10. RISER PIPE (DESIGNED BY OTHERS) SHALL BE EXTENDED TO THE ROOF WITH MINIMAL CHANGES IN DIRECTION AS SHOWN ON THE MECHANICAL AND PLUMBING DRAWINGS.
11. ALL PIPE AND CONDUIT PENETRATIONS THROUGH THE SLAB (INCLUDING MECHANICAL, ELECTRICAL, PLUMBING, OR OTHER) SHALL BE SEALED WITH A HIGH ADHESIVE SEALANT, UNLESS OTHERWISE SPECIFIED. PENETRATIONS SHALL BE AIR-TIGHT.
12. RISER PIPE MUST BE CLEARLY LABELED "CAUTION: DO NOT ALTER SUBSLAB VAPOR VENT PIPE" IN EACH ACCESSIBLE AREA (A MINIMUM OF EVERY 10 LINEAR FEET OF RISER PIPE RUN).
13. SYSTEM INSTALLATION SHALL ADHERE TO: FINAL GUIDANCE FOR EVALUATING SOIL VAPOR INTRUSION IN THE STATE OF NEW YORK PREPARED BY NEW YORK STATE DEPARTMENT OF HEALTH (NYSDOH), DATED OCTOBER 2006 AND 2008 NEW YORK CITY MECHANICAL CODE, CHAPTER 5, SECTION MC 512-SUBSLAB EXHAUST SYSTEMS. POINT OF EXHAUST (DESIGNED BY OTHERS) SHALL BE
    - ABOVE THE EAVE OF THE ROOF (PREFERABLY, ABOVE THE HIGHEST EAVE OF THE BUILDING AND AT LEAST 12-INCHES ABOVE THE
    - SURFACE OF THE ROOF):
    - AT LEAST 10 FEET ABOVE GROUND LEVEL,
    - AT LEAST 10 FEET AWAY FROM ANY OPENING THAT IS LESS THAN 2 FEET BELOW THE EXHAUST POINT, AND
    - 10 FEET FROM ANY ADJOINING OR ADJACENT BUILDINGS, OR HVAC INTAKES OR SUPPLY REGISTERS.
14. ALL EXTERNAL PIPES SHALL BE PAINTED WITH A CORROSION RESISTANT COATING, DEPENDING ON PIPE MATERIAL.
15. 3/4-INCH CLEAN STONE = IN-PLACE STONE SHALL BE CLEAN, COARSE, NATURAL, ANGULAR, WASHED 3/4-INCH AGGREGATE WITH THE FOLLOWING GRADATION:

SIEVE SIZE	% PASSING BY WEIGHT
1 1/2-INCH	100
1-INCH	90-100
1/2-INCH	0-5
#200	<1

16. CLEAN STONE LAYER ON TOP OF PIPE SHALL NOT BE COMPACTED.
17. CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS OF COMPLETE SMD SYSTEM TO ENGINEERING FOLLOWING INSTALLATION.

VAPOR BARRIER NOTES:

1. VAPOR BARRIER SHALL BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE MANUFACTURER GUIDELINES AND DETAILS.
2. VAPOR BARRIER SHALL BE INSTALLED BY A MANUFACTURER-CERTIFIED INSTALLER.
3. VAPOR BARRIER SHALL BE INSPECTED IMMEDIATELY BEFORE CONCRETE IS PLACED. ALL PENETRATIONS, HOLES, OR TEARS SHALL BE SEALED BEFORE CONCRETE IS PLACED.

Date	Description	No.
REVISIONS		

SIGNATURE DATE SIGNED

PROFESSIONAL XXXXXXXXXX
STATE LIC. No. XXXXX

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Langan CT, Inc.
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Project

86 FLEET PLACE

BLOCK No. 2061, LOT No. 50
KINGS

BROOKLYN NEW YORK

Drawing Title

CONCEPTUAL SUBMEMBRANE DEPRESSURIZATION SYSTEM AND VAPOR BARRIER DETAILS

Project No. 170303101	Drawing No. 7A
Date 8/12/2014	
Scale NTS	
Drawn By AT / Checked By	
Submission Date x	Sheet 2 of 4

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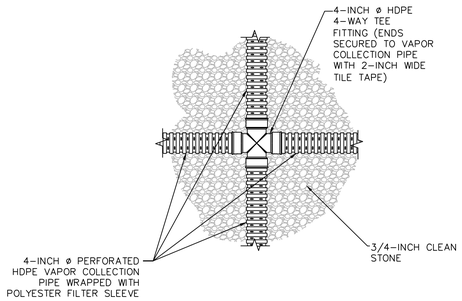
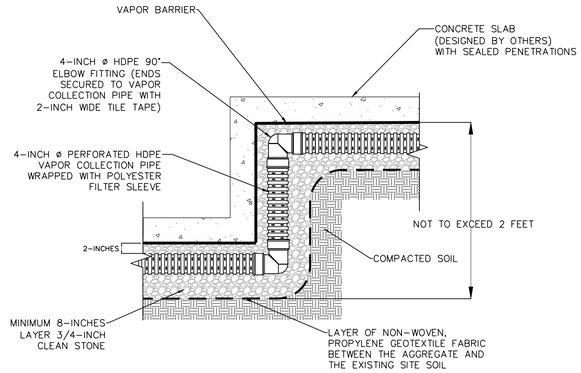
SUBMISSION DATE: XXXXX ##,####

PROJECT No. ##########



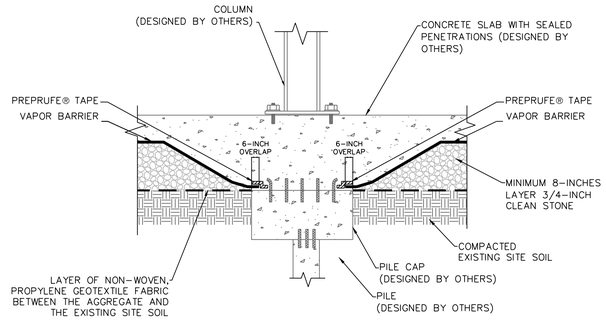
DETAIL 7: TYPICAL 4-WAY TEE FITTING CONNECTION FOR VAPOR COLLECTION PIPE (PLAN VIEW)

NOT TO SCALE



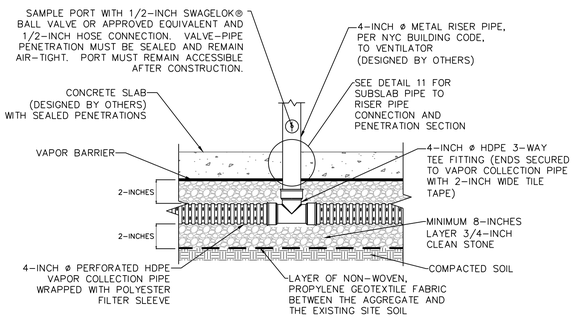
DETAIL 8: TYPICAL SECTION FOR PERFORATED SUBSLAB PIPE AT ELEVATION CHANGE BETWEEN TWO SLABS

NOT TO SCALE



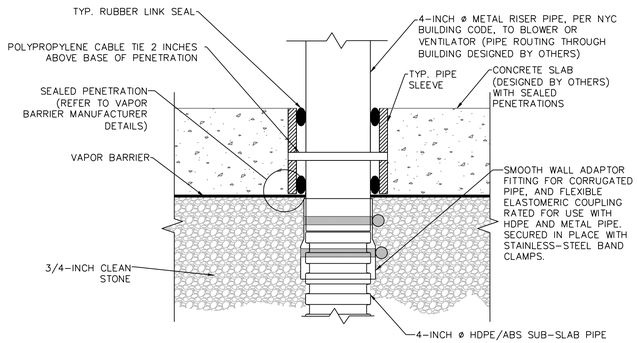
DETAIL 9: TYPICAL VAPOR BARRIER ASSEMBLY AT PILE CAP

NOT TO SCALE



DETAIL 10: TYPICAL SECTION AT PERFORATED PIPE TO RISER PIPE

NOT TO SCALE



DETAIL 11: VAPOR COLLECTION PIPE TO RISER PIPE CONNECTION

NOT TO SCALE

NOTES:

1. REFER TO DRAWING N-102 FOR GENERAL NOTES.

Date	Description	No.

REVISIONS

SIGNATURE DATE SIGNED

PROFESSIONAL XXXXXXXXXX
STATE LIC. No. XXXXX

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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
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Collectively known as Langan

Project

86 FLEET PLACE

BLOCK No. 2061, LOT No. 50
KINGS

BROOKLYN NEW YORK

Drawing Title

CONCEPTUAL SUBMEMBRANE DEPRESSURIZATION SYSTEM AND VAPOR BARRIER DETAILS

Project No. 170303101	Drawing No. 7B
Date 8/12/2014	
Scale NTS	
Drawn By AT / Checked By	
Submission Date x	Sheet 3 of 4

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SUBMISSION DATE: XXXXX ##,####

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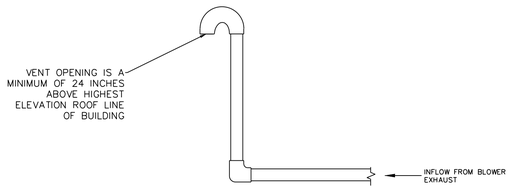
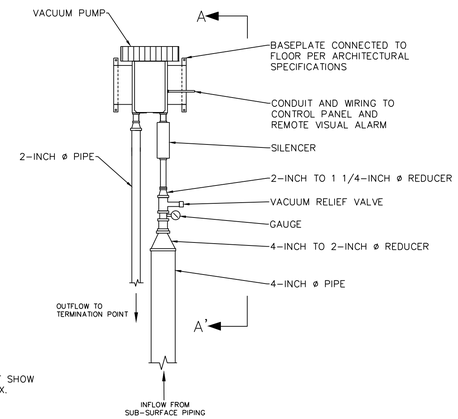


DETAIL 11: VENT TERMINATION POINT SECTION VIEW

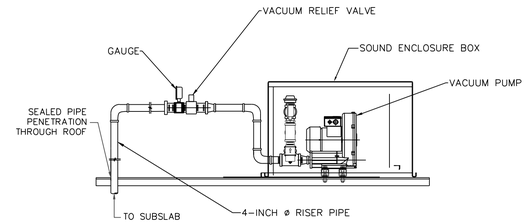
NOT TO SCALE



NOTE: DETAIL 12 DOES NOT SHOW THE SOUND ENCLOSURE BOX.

DETAIL 12: VACUUM BLOWER PLAN VIEW

NOT TO SCALE



DETAIL 13: VACUUM BLOWER SECTION VIEW (A-A')

NOT TO SCALE

BLOWER NOTES:

1. THE COMPLETE BLOWER ASSEMBLY INCLUDING BLOWER,MOTOR, BASEPLATE, CONTROL PANEL, REMOTE VISUAL ALARM, VALVES, GAUGES, FILTER, AND FLEXIBLE HOSE SHALL BE PROVIDED BY THE MANUFACTURER.

2. BLOWER ASSEMBLY TO BE INSTALLED SHALL PROVIDE AT CONTINUOUS OPERATION:

   -MINIMUM OF 80 CUBIC FEET PER MINUTE (CFM) FLOW RATE AT 22 INCHES OF WATER COLUMN (INCHES WC) VACUUM AT BLOWER.

3. BLOWER TO BE INSTALLED SHALL BE THE AIRTECH 3BA1410-7AS45 OR APPROVED ALTERNATIVE.

4. THE BLOWER SCHEMATICS ARE SHOWN TO ILLUSTRATE THE REQUIRED COMPONENTS AND THE GENERAL LOCATIONS IN THE PIPE RUN AND SHALL NOT BE CONSIDERED TO BE ACCURATE. THE ACTUAL CONFIGURATION AND DIMENSIONS OF THE BLOWER ASSEMBLY WILL VARY BASED ON MANUFACTURING METHODS AND FIELD CONDITIONS. FINAL DESIGN AND BLOWER SYSTEM SELECTED ARE SUBJECT TO APPROVAL BY THE ENGINEER. PROVIDE ALL BLOWER SPECIFICATIONS AND CUT SHEETS FOR COMMISSION AND/OR CONSTRUCTION MANAGER'S APPROVAL PRIOR TO INSTALLATION.

5. THE BLOWERS SHALL BE HOUSED IN A SD-4 METAL SOUND ENCLOSURE RATED AS EXPLOSION PROOF. THE BLOWERS SHALL BE INSTALLED WITHIN THE ENCLOSURE BY THE BLOWER MANUFACTURER.

6. THE ELECTRICAL PANEL FOR EACH BLOWER SHALL INCLUDE AN AUXILIARY CONTACT FOR THE REMOTE ALARM AND WILL BE MOUNTED ON THE EXTERIOR OF THE ENCLOSURE. THE ELECTRICAL PANEL SHALL BE HOUSED IN NEMA 7 ENCLOSURE. THE REMOTE ALARM SHALL BE LOCATED WITHIN A BUILDING MANAGERS OFFICE. THE ALARM SHALL CONSIST OF A WARNING LIGHT, NEMA 12 ENCLOSURE, AND ASSOCIATED RELAYS. THE REMOTE ALARM AND BLOWER CONTROL PANEL SHALL BE CONFIGURED SUCH THAT IF THE BLOWER STOPS OPERATING, THE REMOTE ALARM WILL BE ACTIVATED. A 120V ELECTRICAL SUPPLY SHALL BE PROVIDED TO THE REMOTE PANEL.

7. THE REMOTE VISUAL ALARM SHALL BE LABELED AS FOLLOWS:
   - SUBSLAB VAPOR VENTING SYSTEM ALARM
   - BLOWER MALFUNCTION IF LIT
   - SERVICE BLOWER IMMEDIATELY

7. SUPPLY POWER TO BLOWER ASSEMBLY, INCLUDING BLOWER, CONTROL PANEL, AND REMOTE ALARM, IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS.

8. BLOWER ASSEMBLY SHALL BE LOCATED ON ROOF, AS SHOWN ON MEP DRAWINGS.

9. RISER PIPE RUN WITHIN THE BUILDING IS LOCATED AS SHOWN ON MEP DRAWINGS.

10. BLOWER WILL REQUIRE A THREE-PHASE, 60 HZ, 220 TO 250 VOLT POWER SUPPLY.

Date	Description	No.

REVISIONS

SIGNATURE DATE SIGNED

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Collectively known as Langan

Project

86 FLEET PLACE

BLOCK No. 2061, LOT No. 50
KINGS

BROOKLYN NEW YORK

Drawing Title

CONCEPTUAL SUBMEMBRANE DEPRESSURIZATION SYSTEM AND VAPOR BARRIER DETAILS

Project No. 170303101	Drawing No. 7C
Date 8/12/2014	
Scale NTS	
Drawn By AT / Checked By	
Submission Date x	Sheet 4 of 4

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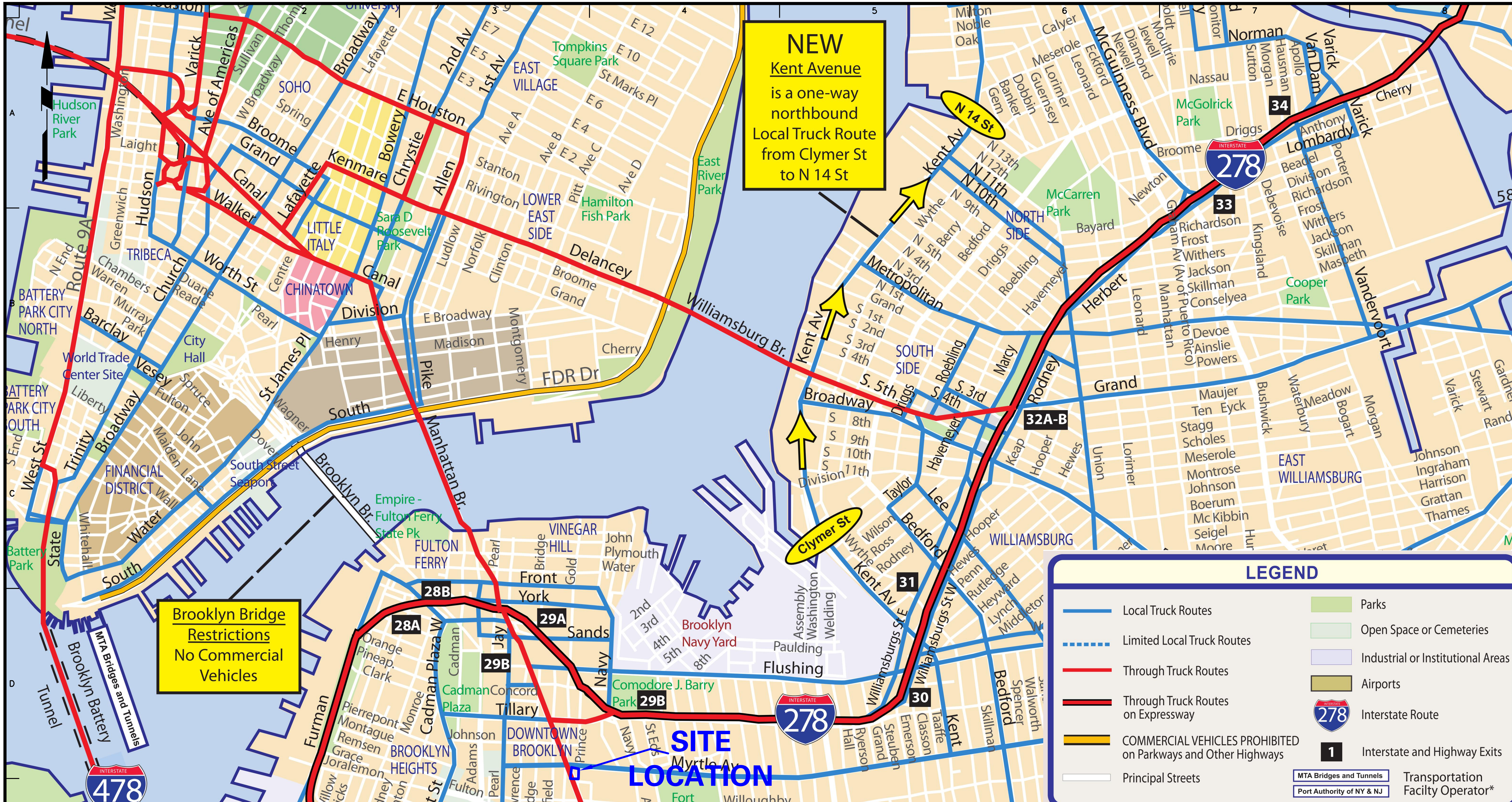

NOTE: BASE MAP TAKEN FROM 2011–2012 NEW YORK CITY DEPARTMENT OF TRANSPORTATION "NEW YORK CITY TRUCK ROUTE MAP"

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Project	Drawing Title	Project No. 170303101	Drawing No.
86 FLEET PLACE BLOCK No. 2061, LOT No. 50 BROOKLYN NEW YORK	TRUCK ROUTE MAP	Date 8/12/2014 Scale NTS Drawn By JL Submission Date	8 Sheet 8 of 8

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Filename: \\langan.com\data\NY\data1\170303101\Cadd Data – 170303101\2D-DesignFiles\Environmental\RAP\Figure 8 – Truck Route Map.dwg Date: 8/12/2014 Time: 15:55 User: jleung Style Table: Langan.stb Layout: B Size Sheet (Bottom)

APPENDIX A

86 FLEET PLACE

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METROPOLIS GROUP, INC.
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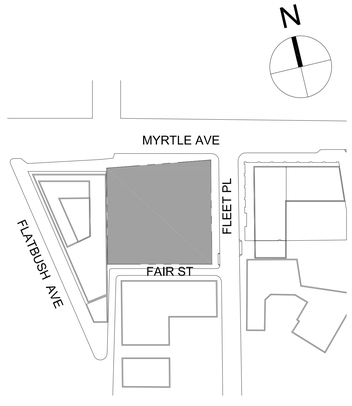


KEY PLAN

HPD SUBMISSION:
2014-08-06

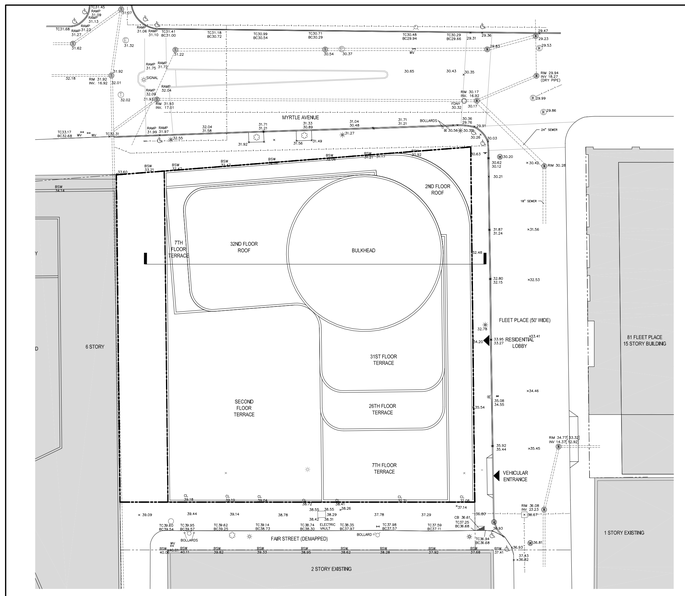
DOB BSCAN:

DOB STAMPS & SIGNATURES:

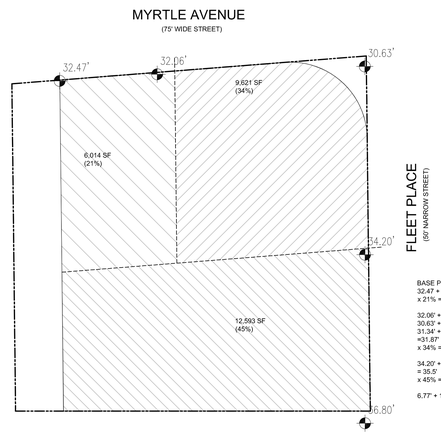
DWG TITLE
COVER SHEET

SEAL & SIGNATURE:

DATE:
PROJECT #:
SCALE:
DWG NO. A-000.00



1 SITE PLAN
1/32" = 1'-0"



BASE PLANE:
32.47' + 32.06' = 64.53' /2 = 32.26'
x 21% = 6.77'

32.06' + 30.63'= 62.69'/2 = 31.34'
30.63' + 34.20'= 64.83'/2 = 32.41'
31.34' + 32.41' = 63.75'/2
=31.87'
x 34% = 10.84'

34.20' + 36.80' = 71'/2
= 35.5'
x 45% = 15.97'

6.77' + 10.84' + 15.97' =33.58'

2 BASE PLANE
1/32" = 1'-0"

FLOOR AREA SCHEDULE - NEW BUILDING

Floor	Use	Gross Area (SF)	MEP Deductions (SF) 4% estimate	Stair deduction ZR 12-10	Parking (SF) ZR 12-10	Bicycle Storage (SF) ZR 36-70	Zoning FA (SF)	
Sub-Cellar	Residential	24,131			18,412		0	
	Mechanical	4,500					0	
	Total	28,631					0	
Cellar	Residential	16,952			6,703		0	
	Commercial	821					0	
	Total	17,773					0	
1	Residential	17,454	698		8,937	1,334	6,485	
	Commercial	10,652				33	10,619	
	Total	28,106					17,104	# of DUs
2	Residential	16,350	654	34			15,662	8
3	Residential	16,350	654	34			15,662	19
4	Residential	16,350	654	34			15,662	20
5	Residential	16,350	654	34			15,662	20
6	Residential	16,350	654	34			15,662	20
7	Residential	12,687	507	34			12,146	15
8	Residential	12,687	507	34			12,146	15
9	Residential	12,687	507	34			12,146	15
10	Residential	12,687	507	34			12,146	15
11	Residential	12,687	507	34			12,146	15
12	Residential	12,687	507	34			12,146	15
13	Residential	12,687	507	34			12,146	15
14	Residential	12,687	507	34			12,146	15
15	Residential	12,687	507	34			12,146	15
16	Residential	12,687	507	34			12,146	15
17	Residential	12,687	507	34			12,146	15
18	Residential	12,687	507	34			12,146	15
19	Residential	12,687	507	34			12,146	15
20	Residential	12,687	507	34			12,146	15
21	Residential	12,687	507	34			12,146	15
22	Residential	12,687	507	34			12,146	15
23	Residential	12,687	507	34			12,146	15
24	Residential	12,687	507	34			12,146	15
25	Residential	11,680	467	34			11,179	13
	Mechanical	1,007	1,007				0	
	Total	12,687						
26	Residential	11,386	455	34			10,897	12
27	Residential	11,386	455	34			10,897	12
28	Residential	11,386	455	34			10,897	12
29	Residential	11,386	455	34			10,897	12
30	Residential	11,386	455	34			10,897	12
31	Residential	7,917	317	34			7,566	5
	Mechanical	1,049		1,049			0	
	Total	8,966						
32	Residential	7,949	318	34			7,597	5
TOTAL	Mechanical	5,507	1,007				0	440
	Residential	463,144	16,482	2,103	34,052	1,334		
	Commercial	11,473				33		
	TOTAL	480,124	17,489	2,103	34,052	1,367		
TOTAL	Mechanical	1,007	1,007				0	
ABOVE	Residential	422,061	16,482	2,103	8,937	1,334	384,239	
GRADE	Commercial	10,652				33	10,619	
	TOTAL	433,720	17,489	2,103	8,937	1,367	394,858	

Zoning Analysis:
Myrtle Avenue at Fleet Place
Block 2061, Lot 50

Zoning

Section	Description
Map 12b	1. Lot area ± 32,923.4 SF 2. Zoning district: C6-4 Special Downtown Brooklyn, Flatbush Avenue Extension Limited Height Area
32-00	3. A. Permitted Uses: Use Groups 1-12 B. Proposed Uses: Residential Use Group 2 Retail, Use Group 6
23-15 33-122 33-123	4. A. Permitted FAR Basic Maximum Maximum FAR with Inclusionary Housing Total at 12 FAR

	Resid.	Comm.	C/F	Total
	10	10	10	10
	12	10	10	12
	395,080.8 SF			

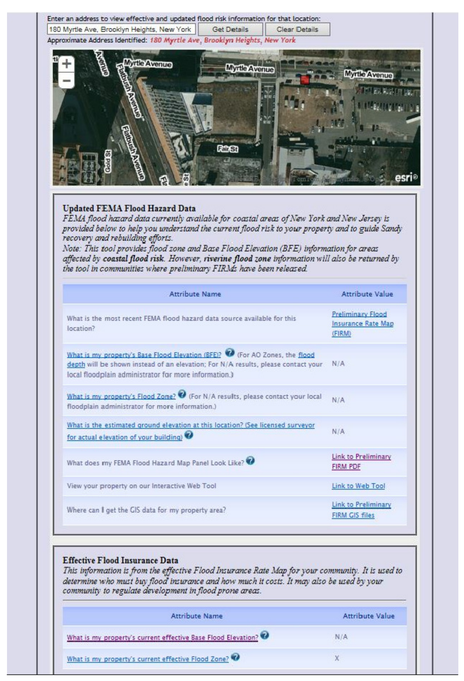
B. Proposed FAR — Resid. & Comm. 12

Use	FA
Residential	384,327 SF
Commercial	10,619 SF
Total	394,946 SF

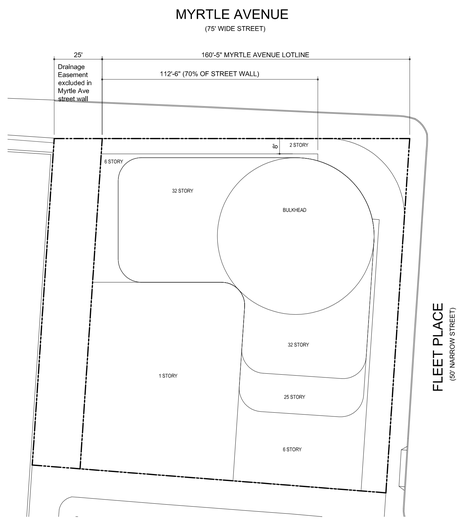
C. Inclusionary Housing Calculation:

Basic Permitted Residential ZFA :	329,234 SF
Proposed Total Building ZFA:	394,946 SF
Inclusionary Housing Bonus: (total zfa- basic permitted zfa)	65,712 SF
Affordable Housing Floor Area Required: (IH bonus x (1/3.5))	18,775 SF
Affordable Housing Floor Area Provided:	19,873 SF

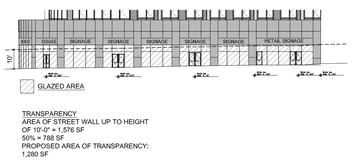
23-22 23-24	5. A. Residential Density permitted: 790 SF/unit Maximum Number of Units 500 units B. Residential Density proposed: 875 SF/unit Proposed Number of Units 439 units *Complies*
23-471 33-261 23-541 33-301	6. Yard Regulation: Beyond 100' of a street line, a rear yard with a minimum depth of 30' (residential), 20' (commercial) shall be provided where coincident with a rear lot line of an adjoining zoning lot. No Rear Yard required within 100' of a corner. *Complies*
101-11	7. Special Ground Floor Use Regulations Uses within stories that have a floor level within 5' of curb level, and within 50' of the street line, shall be limited to commercial uses listed in Use Groups 5, 6A, 6C, 6D, 7A, 7B, 8A, 8B, 8D, 9,10,11, 12A, 12B, and 12C. In addition, libraries, museums, and non-commercial art galleries shall be permitted. -loading births may occupy up to 40' of such street frontage. -lobby frontage may not exceed 30' or 50% of the building's total frontage, whichever is less.
101-12	Transparency Requirements For Areas in Map 3- Each ground floor street wall shall be glazed with transparent materials and occupy at least 50% of the area of each ground floor street wall, measured to a height of 10' above the level of the adjacent sidewalk. Myrtle street frontage is in Map 3- see diagram- *Complies*
101-221 33-42	Permitted Obstructions (f) Elevator or stair bulkheads including shafts and vestibules not larger than 60 SF, roof water tanks and accessory mechanical equipment provided that: (1) such obstructions shall be minimum 10' from the street wall. (2) all mechanical equipment shall be screened on all sides. (3) such obstructions and screening are contained within a volume that complies with one of the following: (i) the product, in square feet, of the aggregate width of street walls of such obstructions facing each street frontage, times their average height, shall not exceed an area equal to 8 times the width, in feet, of the street wall of the building facing such frontage; or (ii) the lot coverage of all such obstructions does not exceed 20% of the lot coverage of the building, and where the maximum permitted height is 120' or greater, such obstructions are limited to a maximum of 40'. The lot coverage of bulkhead is 18% and 40' high *Complies*
101-223	8. Tower Regulations: A. Setback requirements for residential towers a. above 85', 10' from a wide street line and 15' from a narrow street *Complies* Lot coverage requirements for towers b. 40% coverage above 150' (for buildings containing residential floor area). 40% coverage: 13,169 SF Proposed coverage: 12,687 SF *Complies*
101-30	9. Special Height Provisions Within Height Limitation Areas A. Within Flatbush Avenue Extension Height Limitation Area, no building or other structure shall exceed a height of 400'.
101-41	10. Special Street Wall Location Regulations (d) at least 70% of the aggregate width of street walls shall be located within 8' of the street line and extend to at least 60'. As per Map 4, street wall required on Myrite Avenue (see diagram). *Complies*
101-51	11. Minimum Parking Requiremenets (a) Parking required for at least 20% of the total number of new dwelling units. (b) There shall be no minimum parking requirement for affordable housing units. Proposed number of units: 439 Minimum 88 Spaces Required. Maximum Spaces: 1 space per 225 SF of lot area: 32,923/225 = 146 Spaces + 88 Spaces =234 Proposed number of spaces: 184 *Complies*
25-163	
101-53	Reservoir Spaces- required off-street reservoir space at the vehicular entrance. (a) Attended parking facilities (2) for parking facilites with more than 50 parking spaces and up to 100 parking spaces, 10% of total number of spaces.
36-21	Required off-street parking spaces for commercial use General retail: none required & none provided.
101-5(36-62	12. Required Accessory Loading Births Retail: first 25,000 SF - none, next 15,000 SF - 1 Proposed Retail: 10,619 SF- no loading provided. *Complies*
36-70	13. Accessory Bicycle Parking Regulations A. Bicycle Parking i. Bicycle parking shall be provided in all new developments. ii. The area for bicycle storage may be excluded from FA. iii. For buildings containing more than one use, the requirements shall be calculated separately for each use. The Use Group (UG) For Residential UG2: 1 per 2 dwelling units For Commercial UG6A, 6C; 1 per 10,000 SF of ZFA. iv. Required Residential Bicycle Parking is 220 spaces at 6 SF min, or 1,320 SF. 1,334 SF provided. *Complies* v. Required Commercial Parking- 1 space. 33 SF provided. *Complies*
26-41 26-42	14. Street Tree Planting and Planting Strip Requirements i. Trees shall be provided for the entire frontage of the zoning lot at a maximum interval of 25', in accordance with the Parks Department. 185.41' (Myrtle frontage) + 185.22' (Fleet Place frontage) = 370.63' 15 trees required for 370.63' of street frontage. ii. These provisions shall not apply where the Parks Department deems them infeasible. 2 Street Trees in new pit on Myrtle to remain, 1 proposed new tree and pit, & 12 trees provided offsite with Parks Department. *Complies*



3 FLOOD ZONE

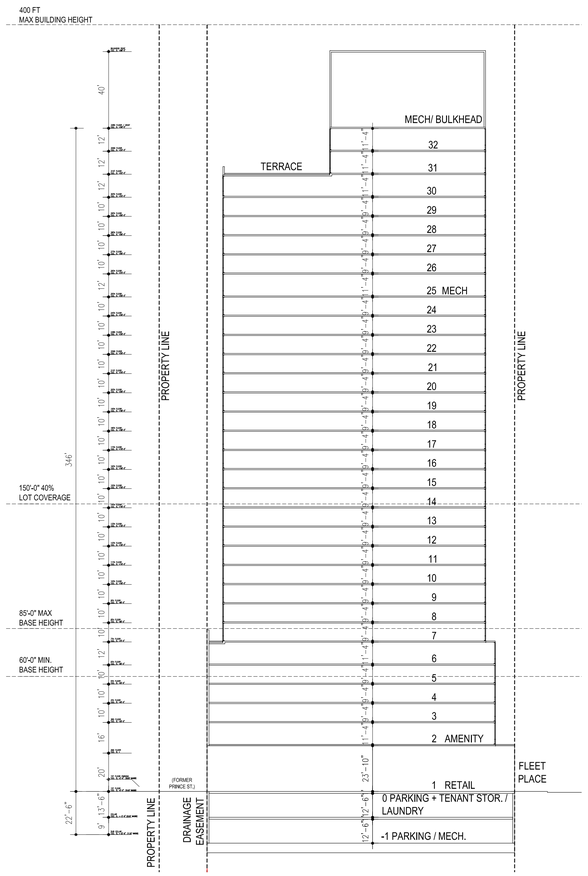


4 STREET WALL DIAGRAM
1/32" = 1'-0"



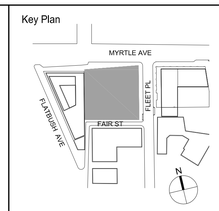
TRANSPARENCY
AREA OF STREET WALL UP TO HEIGHT OF 10'-0" = 1,576 SF
50% = 788 SF
PROPOSED AREA OF TRANSPARENCY:
1,280 SF

5 TRANSPARENCY DIAGRAM
1/32" = 1'-0"



6 SECTION
1/32" = 1'-0"

Key Plan



Number:	Date:	Revision:
	08/06/14	HPD SUBMISSION
	07/11/14	SCHEMATIC DESIGN- EASEMENT REV
	06/20/14	SCHEMATIC DESIGN

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METROPOLIS GROUP, INC.
22 Cortlandt Street, #10
New York, NY 10007
T 212.233.6344 F 212.233.6333

PROJECT
86 FLEET PLACE
86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

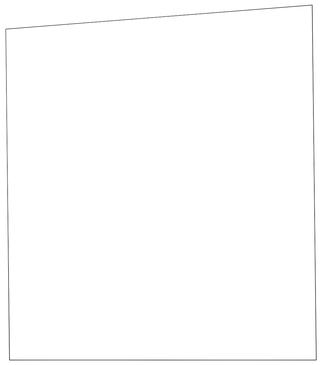
DOB BSCAN:

DOB STAMPS & SIGNATURES:

DWG TITLE
ZONING ANALYSIS

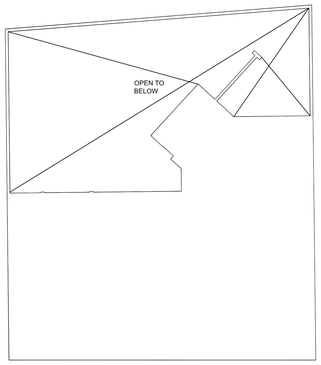
SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: AS NOTED
DWG NO. Z-100.00



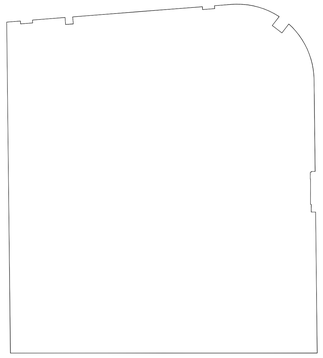
GROSS FLOOR AREA
17,773 SQ. FT.

1 SUBCELLAR



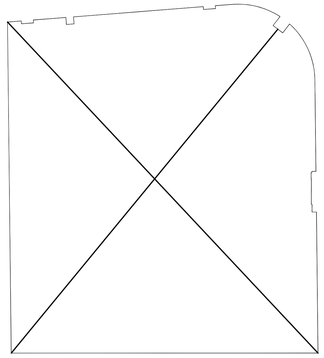
GROSS FLOOR AREA
17,773 SQ. FT.

2 CELLAR

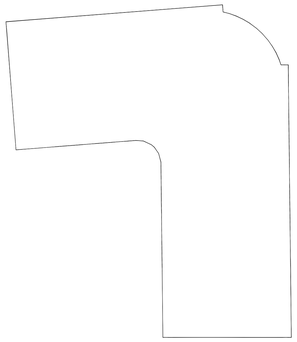


GROSS FLOOR AREA
28,106 SQ. FT.

3 GROUND FLOOR

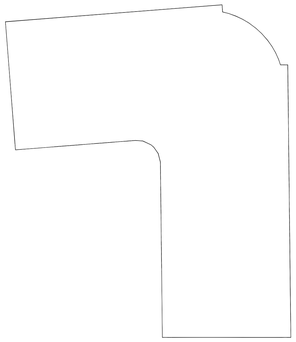


4 1ST MEZZANINE (STAIR TRANSFER ONLY)



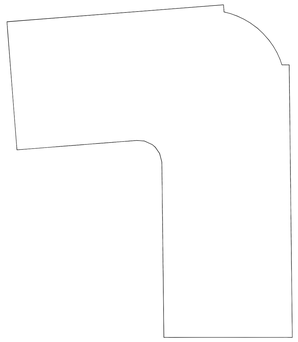
GROSS FLOOR AREA
16,350 SQ. FT.

5 2ND FLOOR



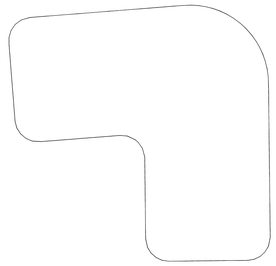
GROSS FLOOR AREA
16,350 SQ. FT.

6 3RD FLOOR



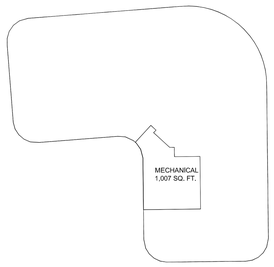
GROSS FLOOR AREA
16,350 SQ. FT.

7 4TH-6TH FLOORS



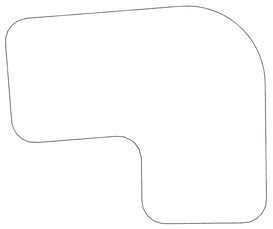
GROSS FLOOR AREA
12,687 SQ. FT.

8 7TH-24TH FLOORS



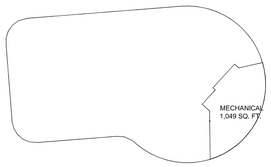
GROSS FLOOR AREA
12,687 SQ. FT.

9 25TH FLOOR



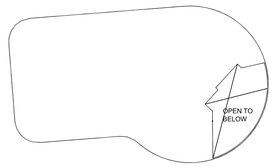
GROSS FLOOR AREA
11,366 SQ. FT.

10 26TH-30TH FLOORS



GROSS FLOOR AREA
8,966 SQ. FT.

11 31ST FLOOR



GROSS FLOOR AREA
7,948.5 SQ. FT.

12 7TH-24TH FLOORS

Key Plan

Number:	Date:	Revision:
	08/06/14	HPD SUBMISSION
	07/11/14	SCHEMATIC DESIGN- EASEMENT REV
	06/20/14	SCHEMATIC DESIGN

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PROJECT

86 FLEET PLACE

86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

DOB STAMPS & SIGNATURES:

DWG TITLE

ZONING
AREAS_DEDUCTIONS

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/32" = 1'-0"
DWG NO: Z-101.00

A B B R E V I A T I O N S

A/C (A.C.)	SLEEVES & AIR CONDITIONER UNIT
ACT	ACOUSTIC TILE CEILING
AD	AREA DRAIN
A.F.F.	ABOVE FINISH FLOOR
A.N.	AS NOTED
A.P.	APARTMENT ELECTRIC PANEL
A.S.	ALUMINUM SADDLE
ABV	ABOVE
ADJ	ADJACENT
ADJUST	ADJUSTABLE
ALUM	ALUMINUM
APT	APARTMENT
@	AT
AD	ACCESS DOOR
B	BATH
B.C.	BRICK COURSES
B.CAB.	BASE CABINET
BF	BOILER FLUE
BR	BEDROOM
B.S.A.	BOARD OF STANDARDS AND APPEALS
BT	BATH TUB
BD.	BOARD
BTWN	BETWEEN
BLDG	BUILDING
BM	BEAM
BOTT	BOTTOM
BR	BRICK
BX (BV)	BATH VENT
BKFT	BREAKFAST ROOM
BOC	BOTTOM OF CURB
C.E.	COMBINATION ELEVATOR
C.J.	CONTROL (CONSTRUCTION) JOINT
C.L.L.	CONTRACT LIMIT LINE
C.O.	CLEAN OUT
C.R.	CEILING REGISTER
C.S.	CAST STONE
C.T.	CERAMIC TILE
CW	COLD WATER
CAB	CABINET
CL	CLOSET
CLG	CEILING
COL	COLUMN
CONC	CONCRETE
CMU	CONCRETE MASONRY UNIT
CHW	CHILLED WATER
CONT	CONTINUOUS
CONV	CONVECTOR
CORR	CORRIDOR
CPT	CARPET
DA	DINING AREA (ALCOVE)
DR	DINING ROOM
DX (DV)	DRYER EXHAUST (VENT)
DL	DOUBLE LAYER
DU	DWELLING UNIT
DW	DISHWASHER
DET	DETAIL(S)
DIA ø	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIR	DIRECTIONAL
DIV	DIVIDER
DN	DOWN
DR	DRAIN
DWG	DRAWING
D	DRYER (CLOTHES)
E.C.	EXPOSED CONCRETE
E.G.	ESTABLISHED GRADE
E.H.	ELECTRIC HEATER
E.J.	EXPANSION JOINT
E.L.	EXIT LIGHT & SIGN
EL	ELEVATION LEVEL
ELEC	ELECTRIC
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EXP	EXPANSION
EXT	EXTERIOR
E.O.S.	EDGE OF SLAB
F	FOYER
FAI	FRESH AIR INTAKE
FB	FACE BRICK
FE	FIRE EXTINGUISHER
FH	FULL HEIGHT
FHM	FLUSH HOLLOW METAL
FO	FINISH OPENING
FP	FIREPROOF
F.S.P.	FIRE STANDPIPE
FPSC	FIREPROOF SELF-CLOSING
FDN	FOUNDATION
FIN	FINISH(ED)
FIN.FL.	FINISH FLOOR
FIXT	FIXTURE
FL	FLOOR
F.D.	FLOOR DRAIN
FLASH'G	FLASHING
FR	FIRE RATING
FD	FIRE DAMPER
FSD	FIRE-SMOKE DAMPER
GB	GRAB BAR
GWBD	GYPSUM WALLBOARD (DRYWALL CONSTRUCTION)
GA	GAUGE
GALV	GALVANIZED
GEN	GENERAL
GL	GLASS
GR	GRADE
GYP	GYPSUM
H (HT)	HIGH OR HEIGHT
H.B.	HOSE BIB
H.C.	HUNG CEILING
H.M.	HOLLOW METAL
H.P.	HIGH POINT
H.R.	HAND RAIL
H.V.A.C.	HEATING, VENTILATION & AIR CONDITIONING
H.W.	HOT WATER
HP	HEAT PUMP UNIT
HMC	HOUSING MAINTENANCE CODE
ID	INSIDE DIAMETER
INCL	INCLUDING
INSUL	INSULATION
INT	INTERIOR
JAN.CL.	JANITOR CLOSET
JT	JOINT
K	KITCHEN
KTTE	KITCHENETTE
KX (KV)	KITCHENETTE VENT (DUCT)
L.L.W.	LOT LINE WINDOW
L.C.	LINEN CLOSET
L.D.	LOUVER DOOR
LIB	LIBRARY
L.P.	LOW POINT
LR	LIVING ROOM
LAM	LAMINATED
LAV	LAVATORY
LDR	LEADER
LT.WT.	LIGHTWEIGHT
MB	MASTER BATHROOM
MBR	MASTER BEDROOM
M.C.	MEDICINE CABINET
M.CL.	METER CLOSET
M.D.L.	MULTIPLE DWELLING LAW
M.E.A.	MATERIAL & EQUIPMENT ACCEPTANCE DIVISION
MECH	MECHANICAL
M.L.	METAL LINED
M.O.	MASONRY OPENING
M.S.	MARBLE SADDLE
M.W.	MEMBRANE WATERPROOFING
MAINT	MAINTENANCE
MAS.	MASON
MET. & GL.	METAL & GLASS
MIN	MINIMUM
MISC	MISCELLANEOUS
MAX	MAXIMUM
MP	MIDPOINT
MEP	MECHANICAL,ELECTRICAL, PLUMBING & SPRINKLER
MIR	MIRROR
N.C.	NON-CORROSIVE
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NO. (#)	NUMBER
NOM	NOMINAL
O.C.	ON CENTER
O.CAB.	OPEN CABINET
O.D.	OUTSIDE DIAMETER
O.F.	OVERFLOW
O.H.	OPPOSITE HAND
O.S.	OPEN SHELVES
OPG.	OPENING
OPP.	OPPOSITE
P. (PT.)	PAINT
P.D.	PUMP DISCHARGE
P.L.	PROPERTY LINE
P.H.	PUBLIC HALL
PR	POWDER ROOM
PCV (CX)	PUBLIC CORRIDOR VENT DUCT
PART	PARTITION
PL.	PLATE
PVC	POLYVINYL CHLORIDE
POL.	POLISHED
PLAM	PLASTIC LAMINATE
Q.T.	QUARRY TILE
R	RANGE
R.D.	ROOF DRAIN
R.H.	RANGE HOOD
R.W.	RETAINING WALL
RAD	RADIATOR
REC	RECESSED
REF	REFRIGERATOR
REG	REGISTER
RESIL.	RESILIENT
RM	ROOM
R.C.	REFUSE CHUTE
REQ'D	REQUIRED
S	SINK
SA	SLEEPING AREA
SAD	SMOKE ACTIVATED DOOR
S.CL.	SERVICE CLOSET
S.E.	SERVICE ELEVATOR
S.F.	SQUARE FEET
S.H.	SERVICE HALL
S.M.	SURFACE MOUNTED
S.O.	SLAB OPENING
S.S.	SLOP SINK
S.T.C.	SOUND TRANSMISSION CLASS
SV	SERVICE VENT (DUCT)
SEP	SEPARATE
SH	SHOWER
SPR	SPRINKLER
ST. (STL.)	STEEL
ST.S.	STEEL SADDLE
SS	STAINLESS STEEL
STAT	STATIONARY
STOR	STORAGE
SW	SHEAR WALL
T	TUB
T.B.	TOWEL BAR
T.C.	TOP OF COPING
T.O.	TRIMMED OPENING
T.O.C.	TOP OF CURB
T.O.S.	TOP OF CONCRETE SLAB OR PLANK
TOFF	TOP OF FINISHED FLOOR
T.R.	TOP REGISTER
TX (TV)	TOILET VENT (DUCT)
T.W. (T.O.W.)	TOP OF WALL
TEMP.	TEMPERED
TERR	TERRAZZO
TH	THICK
TV	TELEVISION
TYP	TYPICAL
U. (URN.)	URINAL
U.C.	UNDER CUT
UC	UNDER COUNTER
U.O.N.	UNLESS OTHERWISE NOTED
V.C.B.	VINYL COVE BASE
V.C.J.	VERTICAL CONTROL JOINT
V.C.T.	VINYL COMPOSITION TILE
V.P.	VISION PANEL
V.T.	VINYL TILE
VENT	VENTILATION
VEST	VESTIBULE
W/	WITH
W/O	WITH OUT
W/D	WASHER/DRYER
W.C.	WATER CLOSET
W.CAB.	WALL CABINET
W.D.	WINDOW DIMENSION
W.GL.	WIRE GLASS
W.I.C.	ALK-IN CLOSET
W	WASHING MACHINE
W.P.	WATERPROOF
W.R.	WATER RESISTANT
WRGWB	WATER RESISTANT GYPSUM BOARD
W.S.	WEATHER STRIP
W.T.	WOMEN'S TOILET
WD	WOOD
W.H.	WEEP HOLE

L E G E N D

- GYPSUM BOARD
- GYPSUM BOARD SHAFT WALL
- STEEL
- ALUMINUM
- FINISH WOOD
- SOLID WOOD (BLOCKING)
- PLYWOOD
- BATT INSULATION
- RIGID INSULATION
- GLASS
- EARTH
- POROUS FILL
- CONCRETE
- BRICK
- CONCRETE BLOCK
- GLAZED CONCRETE BLOCK
- TERRAZZO
- MARBLE

BATHROOM & KITCHEN APPLIANCES

DW	DISHWASHER
MW	MICROWAVE OVEN
R	RANGE
CO	CONVECTION OVEN
REF	REFRIGERATOR
WINE	WINE CHILLER
CT	COOK TOP
WO	WALL OVEN
W/D	WASHER/DRYER
W	CLOTHES WASHER
D	CLOTHES DRYER

STANDARDS AND TESTING AGENCIES

ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASCE	AMERICAN SOCIETY OF CIVIL ENGINEERS
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
ACI	AMERICAN CONCRETE INSTITUTE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
UL	UNDERWRITERS LABORATORY
ASTM	ASTM INTERNATIONAL (FKA AMERICAN SOCIETY OF TESTING AND MATERIALS)
FM	FM GLOBAL (FKA FACTORY MUTUALS)
BHMA	BUILDERS HARDWARE MANUFACTURERS ASSOCIATION
DOB	NEW YORK CITY DEPARTMENT OF BUILDINGS
BC	2008 NEW YORK CITY BUILDING CODE
CAP	GENERAL ADMINISTRATIVE PROCEDURES IN THE 2008 NYC BUILDING CODE

S Y M B O L S

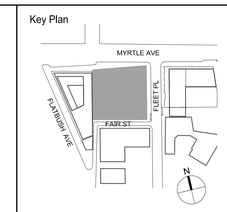
- 1 — ATTORNEY GENERAL APARTMENT NUMBERING
- A | 1 BR | 00000 SF — APARTMENT INFO
- 1 | 18 Ø — COLUMN NUMBER / COLUMN SIZE
- M.L. — METAL LINED
- TX | 1 — DUCT TYPE (TOILET, KITCHEN, DRYER, ETC) / DUCT RISER NUMBER
- 12 X 12 S.O. — SLAB OPENING SIZE
- A | - — DOOR TYPE (SEE DOOR SCHEDULE) / HARDWARE SET (SEE HARDWARE SCHEDULE)
- 1 | 2.25 — WINDOW TYPE (SEE WINDOW SCHEDULE) / WINDOW R-VALUE
- 1 — PARTITION TYPE (SEE PARTITION SCHEDULE)
- BULLS-EYE (AT DATUM ONLY)
- 1 | A-2 — ELEVATION & SHEET NUMBER
- 1 | A-2 — SECTION & SHEET NUMBER
- E.G.E. 1.0 — EXISTING GRADE ELEVATION
- F.G.E. 1.0 — FINISH GRADE ELEVATION
- REVERSIBLE DOOR SWING FOR COMPLIANCE WITH BC CHAPTER 11
- MB | P | TYPE 1 — BATHROOM TAG
  BATH NUMBER (MB / B2 / B3 / PR)
  BATH CODE COMPLIANCE:
  P = COMPLYING WITH APPENDIX P
  A = TYPE A PER BC 1107.2.2
  N = PER BC 1107.2.2 COMPLYING ONLY WITH SECTIONS 1004.3, 1004.4, 1004.5.2, 1004.9 AND 1004.11.2 OF ICC 117.1-2003
  PROJECT BATHROOM TYPE – SEE BATHROOM DRAWINGS FOR PLANS AND ELEVATIONS

D R A W I N G L I S T

ZONING		
NO.	TITLE	HPD Set
Z-100	ZONING ANALYSIS	8/6/2014
Z-101	ZONING DEDUCTIONS	8/6/2014

ARCHITECTURAL		
	COVER SHEET	8/6/2014
A-001	DRAWING LIST, ABBREVIATIONS, LEGEND AND SYMBOLS	
A-002	GENERAL NOTES 1	
A-003	GENERAL NOTES 2	
A-004	ACCESSIBILITY REQUIREMENTS	
A-100	SITE PLAN	8/6/2014
A-101	SUB CELLAR FLOOR PLAN	8/6/2014
A-102	CELLAR FLOOR PLAN	8/6/2014
A-103	1ST FLOOR PLAN	8/6/2014
A-104	1ST FLOOR MEZZANINE PLAN	8/6/2014
A-105	2ND FLOOR PLAN	8/6/2014
A-106	3RD FLOOR PLAN	8/6/2014
A-107	4-6TH FLOOR PLAN	8/6/2014
A-108	7-24TH FLOOR PLAN	8/6/2014
A-109	25TH FLOOR PLAN	8/6/2014
A-110	26-30TH FLOOR PLAN	8/6/2014
A-111	31-32ND FLOOR PLAN	8/6/2014
A-112	ROOF PLAN	8/6/2014
A-113	BULKHEAD PLAN	8/6/2014
A-114	MACHINE ROOM ROOF PLAN	8/6/2014
A-300	NORTH ELEVATION	8/6/2014
A-301	EAST ELEVATION	8/6/2014
A-302	SOUTH ELEVATION	8/6/2014
A-303	WEST ELEVATION	8/6/2014
A-304	BASE ELEVATIONS	8/6/2014
A-400	EAST-WEST BUILDING SECTION	8/6/2014

Key Plan



Number:	Date:	Revision:
	08/06/14	HPD SUBMISSION
	07/11/14	SCHEMATIC DESIGN- EASEMENT REV
	06/20/14	SCHEMATIC DESIGN

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PROJECT

86 FLEET PLACE
86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

DOB STAMPS & SIGNATURES:

DWG TITLE

DRAWING LIST, ABBREVIATIONS, LEGEND & SYMBOLS

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/8"-1'-0"
DWG NO. A-001.00

BUILDING INFORMATION:

LOCATION: 86 FLEET PLACE, BROOKLYN NY
OCCUPANCY: R-2
CONSTRUCTION CLASSIFICATION: TYPE I B
SEISMIC DESIGN CATEGORY: B
FLOOD ZONE: X

THIS BUILDING SHALL BE BUILT IN COMPLIANCE WITH THE NEW YORK CITY BUILDING CODE EFFECTIVE AT THE DATE OF FIRST FILING:

GENERAL

1. ALL NOTES HEREIN IN ADDITION TO THOSE ON THE VARIOUS DRAWINGS AND SPECIFICATIONS SHALL APPLY TO ALL DOCUMENTS AND FORM PART OF THE CONTRACT.

2. ALL CONSTRUCTION AND DEMOLITION WORK SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL CODES, ORDINANCES, RULES, AND REGULATIONS PERTAINING TO LABOR AND MATERIALS.

CONTRACTOR

3. THE TERM "CONTRACTOR" SHALL APPLY TO ALL SUB CONTRACTORS AND/OR THEIR EMPLOYEES.

4. ALL WORK PERFORMED BY THE CONTRACTOR SHALL CONFORM TO THE 2008 NEW YORK CITY BUILDING CODE, ANY WORK NOT CONFORMING TO CODE SHALL BE CURED AT THE EXPENSE OF THE CONTRACTOR RESPONSIBLE FOR THAT WORK.

5. THE PROVISIONS OF CHAPTER 33 OF THE 2008 NEW YORK CITY BUILDING CODE SHALL GOVERN THE CONDUCT OF ALL CONSTRUCTION AND DEMOLITION OPERATIONS WITH REGARD TO THE SAFETY OF THE PUBLIC AND PROPERTY.

6. CONTRACTORS SHALL BE RESPONSIBLE FOR ADEQUATELY BRACING AND PROTECTING ALL WORK DURING CONSTRUCTION AGAINST DAMAGE, BREAKAGES, COLLAPSE, DISTORTIONS, AND OFF ALIGNMENT ACCORDING TO APPLICABLE CODES, STANDARDS AND GOOD PRACTICE, SUB CHAPTER 33 (BC 3301.1)

7. DRAWINGS ARE NOT TO BE SCALED; WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL HAVE PRECEDENCE. ALL WORK SHALL BE LAID OUT BY DIMENSIONS; DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT.

8. CONTRACTORS SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE ARCHITECT MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN BY THESE DRAWINGS.

9. CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS, LOCATION AND DISPOSITION OF EXISTING UTILITIES AND EASEMENTS.

10. ALL MATERIALS, ASSEMBLIES, FORMS, AND METHODS OF CONSTRUCTION AND SERVICE EQUIPMENT TO BE INCORPORATED IN THE WORK SHALL BE IN STRICT ACCORDANCE WITH THE LATEST EDITION OF THE ASTM STANDARDS APPLICABLE, AND TO CONFORM TO THE STANDARDS AND RECOMMENDATIONS OF THE VARIOUS TRADE INSTITUTES (ACI, AISC, ETC.) WHERE APPLICABLE. ALL MATERIALS INCORPORATED INTO THE WORK SHALL BE NEW AND SHALL COMPLY WITH THE REQUIREMENTS OF ARTICLE 113 OF THE GENERAL ADMINISTRATIVE PROCEDURES (GAP)

11. THE ARCHITECT SHALL NOT HAVE CONTROL NOR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION, FABRICATION, PROCUREMENT, SHIPMENT, DELIVERY OR INSTALLATION, OR FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSIONS OF THE CONTRACTORS, SUB-CONTRACTORS, SUPPLIERS, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

12. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK, USING THEIR BEST SKILL AND ATTENTION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES AND PROCEDURES AND FOR COORDINATING ALL PORTIONS OF THE WORK UNDER THE CONTRACT.

13. EACH CONTRACTOR SHALL PREPARE A PROPOSED CONSTRUCTION SCHEDULE AND SUBMIT SAME WITH THEIR BID. CONTRACTOR SHALL REFER ALL QUESTIONS AS TO THE MEANING OR RESOLUTION OF THE CONSTRUCTION DOCUMENTS TO THE ARCHITECT FOR INTERPRETATION BEFORE START OF WORK.

14. ALL CONTRACTORS SHALL BE RESPONSIBLE TO COORDINATE THEIR WORK WITH THE WORK OF ALL OTHER CONTRACTORS, IN ORDER TO PRECLUDE ANY INTERFERENCE BETWEEN PIPING, WIRING, LIGHTING FIXTURES, AIR CONDITIONING DUCTING, PLUMBING, MECHANICAL EQUIPMENT, AND/OR CONSTRUCTION ASSEMBLIES, ETC.

15. INSPECTION DURING PROGRESS OF WORKS SHALL COMPLY WITH CHAPTER 1 ARTICLE 116 OF THE GENERAL ADMINISTRATIVE PROCEDURES.

16. EACH CONTRACTOR SHALL PROVIDE LABOR, SUPERVISION, MATERIALS, EQUIPMENT & ACCESSORIES, AND COORDINATE, PROCURE, FABRICATE, DELIVER, ERECT OR INSTALL, INTERFACE WITH ANY NEW OR EXISTING WORK, START, TEST ALL WORK AS PER CODE AND CONSTRUCTION DOCUMENTS IN ORDER TO PROVIDE THE OWNER WITH A COMPLETE ASSEMBLY OR SYSTEM.

17. CONTRACTOR TO FURNISH AND INSTALL ANY OTHER MATERIAL NOT SPECIFICALLY DESCRIBED BUT REQUIRED FOR A COMPLETE INSTALLATION OF SPECIFIED PRODUCTS, MATERIALS OR SYSTEMS AS SELECTED BY THE CONTRACTOR AND SUBJECT TO APPROVAL OF THE ARCHITECT.

18. CONTRACTOR SHALL SUBMIT ALL SHOP DRAWINGS, CUTS AND SAMPLES OF ALL CONSTRUCTION ASSEMBLIES FOR REVIEW BY THE ARCHITECT BEFORE COMMENCING ANY WORK. NO WORK IS TO BE PERFORMED WITHOUT THE AFOREMENTIONED. THE ARCHITECT AND/OR OWNER RESERVE THE RIGHT TO REJECT ANY SUCH SUBMISSIONS.

19. THE CONTRACT DOCUMENTS CONTEMPLATE A FINISHED PIECE OF WORK OF SUCH CHARACTER AND QUALITY AS REASONABLY INFERABLE FROM THEM. THE CONTRACTOR ACKNOWLEDGES THAT THE CONTRACT INCLUDES AN ALLOWANCE OF MONEY SUFFICIENT TO MAKE THE PROJECT COMPLETE AND OPERATIONAL AND IN COMPLIANCE WITH GOOD PRACTICE AND AGREES THAT INADVERTENT MINOR DISCREPANCIES OR OMISSIONS OR THE FAILURE TO SHOW DETAILS OR TO REPEAT ANY PART OF THE CONTRACT DOCUMENT FIGURES OR NOTES GIVEN ON ANOTHER SHALL NOT BE THE CAUSE FOR ADDITIONAL CHARGES OR CLAIMS.

20. CONTRACTOR SHALL COMPLY WITH RECOMMENDATIONS OF MANUFACTURERS FOR INSTALLATION AND USE OF ALL PRODUCTS. IF RECOMMENDATIONS CONFLICT WITH DOCUMENTS, CONTRACTOR WILL NOTIFY ARCHITECT FOR RESOLUTION.

21. WHEREVER A PARTICULAR MANUFACTURER'S PRODUCT IS SPECIFIED HEREIN, IT IS TO BE USED, APPLIED, OR OTHERWISE INCORPORATED INTO THE WORK IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS FOR SUCH USAGE.

22. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING FLOOR FINISH MATERIALS TO ENSURE THAT THE TRANSITIONS BETWEEN FLOORING MATERIALS WILL BE SMOOTH AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE APPLICATION OF ANY PAINT OR WALL COVERING MATERIALS WILL CONSTITUTE ACCEPTANCE OF SURFACES BY EACH SPECIFIC SUBCONTRACTOR AND ASSUMPTION OF RESPONSIBILITY FOR ALL SUBSEQUENT FINISHING AND RESULTS THEREOF.

23. CONTRACTOR SHALL SUBMIT SAMPLES OF ALL FINISH MATERIALS OR AS REQUIRED TO THE ARCHITECT FOR REVIEW AND ACKNOWLEDGMENT OF CONFORMANCE TO THE DESIGN INTENT PRIOR TO PROCEEDING.

24. CONTRACTOR SHALL COORDINATE LOCATIONS OF ALL LIGHT SWITCHES, PANELS, LIGHT FIXTURES, OUTLETS, PLUMBING FIXTURES AND FITTINGS, THERMOSTATS AND DOOR BELLS IN ELEVATION WITH ARCHITECT.

25. THE CONTRACTOR SHALL PROMPTLY REMOVE FROM THE PREMISES ALL WORK CONDEMNED BY THE ARCHITECT AS FAILING TO CONFORM TO THE CONTRACT DOCUMENTS WHETHER INCORPORATED OR NOT, AND CONTRACTOR SHALL PROMPTLY REPLACE AND RE-EXECUTE HIS OWN WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS WITHOUT EXPENSE TO THE OWNER. THE CONTRACTOR SHALL BEAR THE EXPENSE OF MAKING GOOD ALL WORK OF OTHER CONTRACTORS DAMAGED BY SUCH REMOVAL OR REPLACEMENT.

26. CONTRACTOR SHALL ARRANGE FOR ALL INSPECTIONS AND FORWARD COPIES OF ALL SIGN-OFFS AND CERTIFICATE OF OCCUPANCY (IF REQUIRED) TO THE ARCHITECT.

27. EACH CONTRACTOR WILL BE HELD STRICTLY RESPONSIBLE FOR THEIR WORK. ANY DISCREPANCIES IN THE PLANS OR DETAILS OR SPECIFICATIONS SHALL BE IMMEDIATELY CALLED TO THE ATTENTION OF THE ARCHITECT.

28. CONTRACTOR TO SCHEDULE AND COORDINATE ALL NECESSARY PERMITS FOR THE WORK AND ASSOCIATED INSPECTIONS PURSUANT TO THE CONTRACT DOCUMENTS AND THE ABOVE LISTED CODES. CONTRACTOR TO NOTIFY ARCHITECT OF ANY CHANGES REQUIRED TO THE APPROVED PERMIT DRAWINGS. ALL ALTERATION APPLICATIONS AND AMENDED CERTIFICATE OF OCCUPANCY (IF REQUIRED) WILL BE FILED AS PER THE 2008 NEW YORK CITY BUILDING CODE.

29. CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS, ALL PERMITS ISSUED BY THE DEPARTMENT OF BUILDINGS SHALL BE POSTED IN A CONSPICUOUS PLACE OPEN TO PUBLIC INSPECTION FOR THE ENTIRE DURATION OF THE WORK, OF THE USE AND THE OPERATION OF THE EQUIPMENT OR UNTIL THE EXPIRATION OF THE PERMIT. CONTRACTOR SHALL FORWARD COPIES OF ALL BUILDING DEPARTMENT DOCUMENTS AND PERMITS TO THE ARCHITECT FOR RECORD. NO WORK AT THE SITE IS TO COMMENCE UNTIL THE PLANS HAVE BEEN APPROVED AND THE APPLICABLE PERMIT IS ISSUED BY THE APPROPRIATE GOVERNING ENTITY.

30. CONTRACTOR SHALL KEEP A COMPLETE RECORD SET (DRAWINGS, SPECIFICATIONS, AGENDAS, CHANGE ORDERS, RECORD OF APPROVED SHOP DRAWINGS, SAMPLES, AND SIMILAR) ON SITE. CONTRACTOR SHALL NOT MAKE ANY ALTERATIONS TO THE CONTRACT DOCUMENTS.

31. ALL ELEVATIONS SHALL BE REFERRED TO DATUM USED BY TOPOGRAPHICAL BUREAU, BOROUGH PRESIDENT OF MANHATTAN, WHICH IS 2.752 ABOVE THE U.S. COAST AND GEODETIC SURVEY MEAN SEA LEVEL DATUM AT SANDY HOOK. ALL ELEVATIONS INDICATED ARE ACTUAL ELEVATIONS AND REFER TO DATUM USED BY TOPOGRAPHICAL BUREAU, BOROUGH PRESIDENT'S OFFICE, MANHATTAN (GAP 28-104.7.6).

32. AT LEAST 24 HOUR WRITTEN NOTICE SHALL BE GIVEN TO THE COMMISSIONER BEFORE COMMENCEMENT OF WORK (BC 3304.3 & 3306.3)

33. TEN DAYS PRIOR NOTICE SHALL BE GIVEN TO ADJOINING LOT OWNERS AFFECTED BY FOUNDATION, EARTHWORK, OR DEMOLITION WORK (BC 3304.3.2, 3306.3.2).

34. AN ACCURATE AND COMPLETE FINAL SURVEY, SIGNED AND SEALED BY A NYS LICENSED SURVEYOR, SHALL BE SUBMITTED AFTER COMPLETION OF WORK SHOWING THE LOCATION OF ANY NEW BUILDING AND / OR ANY EXTENSION TO AN EXISTING BUILDING SHOWING ELEVATION OF FIRST FLOOR, FINISHED GRADES OF OPEN SPACES, ESTABLISHED CURB LEVEL, LOCATION OF OTHER STRUCTURE ON LOT, LOCATION AND BOUNDARIES OF LOT (GAP 28-118.4).

35. ZONING LOTS EXHIBITS, PARTY WALL RESTRICTIVE DECLARATION, AND EGRESS EASEMENTS TO BE FILED AND RECORDED AT THE CITY REGISTER PRIOR TO FINAL CERTIFICATE OF OCCUPANCY.

36. POSTED OCCUPANCY AND USE: ALL BUILDINGS SHALL BE POSTED WITH A SIGN IN A FORM PRESCRIBED BY THE DEPARTMENT OF BUILDINGS, PERMANENTLY AFFIXED, PLACED IN A CONSPICUOUS LOCATION IN PUBLIC HALL OR CORRIDOR, STATING LIVE LOADS AND OCCUPANTS LOADS IN THE BUILDING AND ALL PARTS THEREOF (GAP 28-118.19).

37. ALL PERMITS ISSUED BY THE DEPARTMENT OF BUILDINGS SHALL BE POSTED IN A CONSPICUOUS PLACE OPEN TO THE PUBLIC INSPECTION FOR THE ENTIRE TIME OF THE PROSECUTION OF THE WORK, OF THE USE AND OPERATION OF THE EQUIPMENT OR UNTIL THE EXPIRATION OF THE PERMIT.

38. THE FOLLOWING ITEMS OF WORK SHALL BE SUBJECT TO CONTROLLED INSPECTION, MADE AND WITNESSED BY OR UNDER THE DIRECT SUPERVISION OF AN ARCHITECT OR ENGINEER RETAINED BY THE OWNER AND ACCEPTABLE TO ARCHITECT OF RECORD AND SATISFYING THE REQUIREMENTS OF GAP 115:"SPECIAL INSPECTORS". TEST REPORTS AND CERTIFICATE OF INSPECTION SHALL BE FILED WITH THE BUILDING DEPARTMENT (GAP 28-104.7.7):

   A. CONCRETE CONSTRUCTION (BC 1704.4 & TABLE 1704.4)
   B. MASONRY CONSTRUCTION (BC 1704.5 & TABLE 1704.5.1)
   C. SOILS (BC 1704.7)
   D. PILE FOUNDATIONS (BC 1704.8)
   E. WALL PANELS, CURTAIN WALLS AND VENEERS (BC 1704.10)
   F. EXTERIOR INSULATION AND FINISH SYSTEMS (EFIS) (BC 1704.12)
   G. SMOKE CONTROL (BC 1704.14)
   H. MECHANICAL SYSTEMS (BC 1704.15 & NYC MECHANICAL CODE)
   I. HIGH-PRESSURE-GAS PIPING (BC 1704.18 & NYC MECHANICAL CODE)
   J. STRUCTURAL SAFETY DURING CONSTRUCTION OPERATIONS (BC 1704.19)
   K. SITE STORM DRAINAGE DISPOSAL AND DETENTION FACILITIES (BC 1704.20)
   L. SPRINKLER SYSTEM (BC 1704.21)
   M. STANDPIPE SYSTEM (BC 1704.22)
   N. HEATING SYSTEMS (BC 1704.23)
   O. CHIMNEYS (BC 1704.24)
   P. THROUGH-PENETRATION FIRESTOP SYSTEMS, CONCEALED DRAFTSTOP AND FIREBLOCK SYSTEMS (BC 1704.25)
   Q. ALUMINUM CONSTRUCTION (BC 1704.26)
   R. SEISMIC RESISTANCE (BC 1707)

39. THE TECHNICAL RESPONSIBILITY REPORT FORMS (TR-1, TR-2, TR-3, ETC.) SHALL BE FILED PRIOR TO THE START OF WORK

40. ALL MATERIALS, ASSEMBLIES AND METHODS OF CONSTRUCTION REGULATED BY THE CODE AND NOT LISTED ABOVE SHALL BE SUBJECT TO SEMI-CONTROLLED INSPECTION BY THE PERSON SUPERINTENDING THE CONSTRUCTION. SIGNED COPIES OF ALL TEST AND INSPECTION REPORTS SHALL BE FILED WITH THE BUILDING DEPARTMENT.

41. CONTRACTOR IS RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES, DIMENSIONS, SELECTING FABRICATION PROCESSES AND TECHNIQUES FOR CONSTRUCTION. CONTRACTOR WILL COORDINATE THE WORK OF ALL OTHER TRADES AND SUBCONTRACTORS, AND ASSURE THAT ALL WORK IS PERFORMED IN A SAFE, COMPLETE AND SATISFACTORY MANNER.

42. REQUIRED SEPARATE APPLICATIONS:
   A. APPLICATION FOR NEW BUILDING
   B. APPLICATION FOR PLUMBING
   C. APPLICATION FOR MECHANICAL SYSTEM VENTILATION
   D. APPLICATION FOR SPRINKLERS (FILED SEPARATELY)
   E. APPLICATION FOR STANDPIPES (FILED SEPARATELY)
   F. APPLICATION FOR ELEVATORS
   G. APPLICATION FOR PUBLIC ASSEMBLY, IF ANY (FILED SEPARATELY)
   H. HIGHWAY DEPARTMENT APPLICATION (PAVEMENT PLAN) (GAP 108) (FILED SEPARATELY)
   I. FIRE PROTECTION PLAN (GAP 109) (FILED SEPARATELY)
   J. APPLICATION FOR BOILER (FILED SEPARATELY)
   K. APPLICATION FOR FUEL OIL (IF ANY)
   L. SITE SAFETY PLAN (IF REQUIRED) (GAP 110) (FILED SEPARATELY)
   M. ASBESTOS INVESTIGATION (GAP 106)

43. ALL PLANS ARE SUBJECT TO REVIEW AND APPROVAL BY THE NEW YORK CITY DEPARTMENT OF BUILDINGS.

44. CONTRACTOR SHALL PROTECT ALL ADJOINING PROPERTIES AND THE ADJOINING PUBLIC RIGHT-OF-WAY. PROTECTION SHALL COMPLY WITH ALL REGULATIONS OF SECTION BC 3309.

45. SITE SAFETY MANAGER OR COORDINATOR SHALL BE DESIGNATED BY CONTRACTOR AS REQUIRED BY SECTION BC 3310 AND CHAPTER 4 OF TITLE 28 OF THE AC.

46. THE OWNER SHALL BE RESPONSIBLE FOR THE SAFE MAINTENANCE OF THE BUILDING AND ITS FACILITIES (GAP 28-301.1).

HIGH RISE

47. THIS BUILDING IS TALLER THAN 75FT AND COMPLIES WITH SECTION BC 403: HIGH RISE BUILDINGS

48. AUTOMATIC SPRINKLER SYSTEM SHALL BE INSTALLED THROUGHOUT BUILDING (BC 403.2, 903.3.1.1, 903.2.7). SPRINKLER SYSTEM SHALL COMPLY WITH BC 903.3

49. STANDPIPE SYSTEM SHALL BE INSTALLED AND SHALL COMBINE WITH AUTOMATIC SPRINKLER SYSTEM AS PER BC 905.

50. SMOKE DETECTION SHALL BE PROVIDED PER BC 907.2.12.1 (BC 403.5)

51. EMERGENCY ONE-WAYVOICE COMMUNICATION SYSTEM SHALL BE PROVIDED BETWEEN THE FIRE-COMMAND CENTER AND THE REQUIRED EXIT STAIRS (EVERY OTHER FLOOR). iNTERCOM SYSTEM WITHIN DWELLING UNITS (IF PROVIDED) SHALL HAVE FIRE DEPARTMENT OVERRIDE FEATURE (BC 403.6, 907.2.12.2 EXCEPTION 3,)

52. FIRE DEPARTMENT COMMUNICATION SYSTEM NOT REQUIRED PER BC 907.2.12.3 EXCEPTION 2 (BC 403.7)

53. FIRE COMMAND CENTER COMPLYING WITH BC 911 SHALL BE PROVIDED (BC 403.8)

54. ELEVATOR LOBBIES ARE NOT REQUIRED PER 403.9.1.1 EXCEPTION 6

55. ELEVATOR SHAFTS AND STAIR ENCLOSURES SHALL BE CONSTRUCTED OF IMPACT RESISTANT WALLS (BC 403.9.2 & BC 403.15)

56. THIS BUILDING IS MORE THAN 125 FT AND WILL PROVIDE EMERGENCY POWER SYSTEM TO SUPPORT EXIT SIGNS AND EGRESS ILLUMINATION, ONE ELEVATOR SERVING ALL FLOORS , EMERGENCY VOICE COMMUNICATION SYSTEM AND ELECTRICALLY POWERED FIRE PUMPS AND SHALL COMPLY WITH SECTION 2702.1 (BC 403.11.2)

57. AUTOMATIC FAIL SAFE STAIR SIDE LOCKS ARE PERMITTED PROVIDED THEY COMPLY WITH RESTRICTIONS PER 403.12

58. SMOKE-PROOF EXIT ENCLOSURES ARE NOT PROVIDED PER BC 403.13. OPERABLE WINDOWS SHALL BE PROVIDED PER BC 912.1 EXCEPTION 1.

59. EXIT PATH PHOTOLUMINESCENT MARKINGS ARE NOT REQUIRED PER BC 403.16 EXCEPTION 1

FIRE RESISTANCE

60. THE OCCUPANCY CLASSIFICATION OF THE BUILDING IS OCCUPANCY GROUP R-2 AS PER BC 302, AND CLASS 'A' MULTIPLE DWELLING 45 AS PER SECTION 4.8 MULTIPLE DWELLING LAW.

61. THE VARIOUS OCCUPANCIES REQUIRED TO BE SEPARATED FROM EACH OTHER BY FIRE SEPARATING AS PER BC 508 SHALL BE SO SEPARATED BY PARTITIONS HAVING THE REQUIRED FIRE RATING

62. THE CONSTRUCTION CLASSIFICATION OF THE BUILDING IS CONSTRUCTION GROUP 1B (BC 602) IN ACCORDANCE WITH AREA AND HEIGHT LIMITATIONS AS SPECIFIED IN TABLE 503. THE CONSTRUCTION ELEMENTS SHALL BE OF THE REQUIRED MINIMUM FIRE RESISTANCE RATINGS AS OUTLINED IN TABLE 601.

63. STRUCTURES OR PORTIONS OF STRUCTURES SHALL BE CLASSIFIED AS TO USE PER BC 302. INCIDENTAL USE AREAS SHALL COMPLY WITH BC 508 (BC 302.1.1)

64. INCIDENTAL USE AREAS SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING WITH THE FIRE SEPARATION AND/OR SPRINKLER COVERAGE AS INDICATED IN SECTION 508.2 AND IN TABLE 508.2. IF SPRINKLER COVERAGE IS PERMITTED IN LIEU OF FIRE SEPARATION THE INCIDENTAL USE AREA SHALL BE SEPARATED FROM THE REMAINDER OF THE BUILDING WITH CONSTRUCTION CAPABLE OF RESISTING THE PASSAGE OF SMOKE (BC 508.2.2.1). FIRE-SMOKE DAMPERS SHALL BE PROVIDED IN ALL DUCTS WHICH PENETRATE INCIDENTAL USE AREAS.

65. REQUIRED SEPARATION OF OCCUPANCIES AND INCIDENTAL USES EXCERPTED FROM BC TABLES 508.2 & 508.3.3

	OCCUPANCY	SEPARATION REQ'D
A.	BUILDING STORAGE	1 HR OR AUTOMATIC FIRE-EXTINGUISHING SYSTEM
B.	ELECTRICAL SERVICE	1 HR OR AUTOMATIC SPRINKLER SYSTEM
C.	COMPACTOR ROOM	3 HR (BC 707.13.4)
D.	TENANT STORAGE	1 HR OR AUTOMATIC FIRE-EXTINGUISHING SYSTEM
E.	BOILER ROOM (>15 PSI & 10 HP)	2 HR OR 1 HR AND AUTOMATIC FIRE-EXTINGUISHING SYSTEM
F.	BOILER ROOM (≤15 PSI & 10 HP)	1 HR OR AUTOMATIC SPRINKLER SYSTEM
G.	TENANT LAUNDRY	1 HR OR AUTOMATIC FIRE-EXTINGUISHING SYSTEM

53. FIRE-RESISTANCE RATING FOR BUILDING ELEMENTS

	CONSTRUCTION ELEMENTS	REQ'D FIRE RESISTANCE RATING
A.	STAIR ENCLOSURE	2 HR (BC 1014.21.1 EXCEPTION 3)
B.	ELEVATOR SHAFT	2 HR (BC 707.4 & CHAPTER 30)
C.	DUCT SHAFTS	2 HR (BC 707.4)
D.	REFUSE CHUTE ENCLOSURE	2 HR (BC 707.13.1)
E.	PUBLIC HALL (CORRIDOR)	1 OR 2 HR (1016.1.2 & 1016.3 EXCEPTION 3)
F.	EXIT PASSAGEWAY (GRADE LEVEL)	2 HR (BC 1021.2)
G.	INTERIOR PARTITIONS AND FURRING	0 HR (TABLE 601)
H.	FLOOR CONSTRUCTION INCLUDING BEAMS	2 HR (TABLE 601)
I.	STRUCTURAL FRAME: COLUMNS & GIRDERS	2 HR (TABLE 601)
J.	ROOF CONSTRUCTION INCLUDING BEAMS	1 HR (TABLE 601)
K.	EXTERIOR NON-LOAD BEARING WALLS AT LOT LINES	1 HR (TABLE 602)
L.	EXTERIOR NON-LOAD BEARING WALLS AT STREET LINES	0 HR (TABLE 602)
M.	EXTERIOR NON-LOAD BEARING WALLS ≥30' FROM LOT LINE	0 HR (TABLE 602)

54. THE FIRE SEPARATION OF INDIVIDUAL OCCUPANCIES FROM ADJACENT OCCUPANCIES IN BUILDINGS WHICH ARE PROVIDED WITH AUTOMATIC SPRINKLER SYSTEM (PER 903.3.1.1) MAY BE 1 HR LESS THAN THE FIRE RESISTANCE REQUIRED BY TABLE 508.3.3 BUT NOT LESS THAN ONE HOUR SEPARATION WHICH SHALL CONTINUE THROUGH CONCEALED SPACES ABOVE (BC 508.3.3.4).

55. SPACES OR DWELLING UNITS OCCUPIED BY DIFFERENT TENANTS SHALL BE SEPARATED BY FIRE BARRIERS HAVING AT LEAST A 1 HR FIRE-RESISTANCE RATING (BC 509.9)

56. THE FIRE RESISTANCE RATING OF BUILDING ELEMENTS SHALL BE DETERMINED IN ACCORDANCE WITH THE TEST PROCEDURES SET FORTH IN ASTM E 119 OR IN ACCORDANCE WITH SECTION 703.3 OF NYC BUILDING CODE (BC 703.2)

57. FIRE STOPPING OF CONCEALED SPACES WITHIN PARTITIONS, WALLS, FLOORS, ROOFS, STAIRS, FURRED PIPE SPACES, COLUMN ENCLOSURES, ETC. SHALL BE FIRE STOPPED AS PER SECTION BC 712.

58. WHERE PIPES, WIRES, CONDUITS, DUCTS, ETC., PIERCE FIRE PROTECTION OF INDIVIDUALLY ENCASED STRUCTURAL MEMBERS, SUCH PENETRATION SHALL NOT EXCEED 2% OF ANY ONE FACE OF SUCH PARTITION, AND SHALL BE CLOSED OFF WITH CLOSE FITTING METAL ESCUTCHEONS OR PLATES (BC 714.3).

59. LINTELS SUPPORTING MASONRY WALLS OVER OPENINGS 4 FEET IN WIDTH OR GREATER, SHALL BE FIRE PROTECTED WITH MATERIALS HAVING THE REQUIRED FIRE RESISTANCE RATING OF THE WALL SUPPLIED (BC 714.6).

60. CEILINGS THAT CONTRIBUTE TO THE REQUIRED FIRE RESISTANCE RATING OF A FLOOR OR ROOF ASSEMBLY SHALL BE CONTINUOUS BETWEEN FIRE DIVISIONS, FIRE SEPARATIONS OR VERTICAL PARTITIONS HAVING THE SAME FIRE RESISTANCE RATING AS THE CEILING. CONCEALED SPACE ABOVE SUCH CEILING, UNLESS SPRINKLERED, SHALL BE FIRESTOPPED INTO AREAS NOT EXCEEDING 3,000 SQUARE FEET. ACCESS TO SUCH SPACE MAY BE THROUGH ONE OR MORE OPENINGS NOT EXCEEDING 9 SQUARE FEET, AND PROTECTED BY SELF-CLOSING OPENING PROTECTIVE (BC 803.9.1.2, BC 717)

61. OPENING PROTECTIVES INCLUDING FRAMES, SELF-CLOSING DEVICES AND HARDWARE SHALL COMPLY WITH BC 715. SIDE HINGED OR PIVOTED SWING DOORS SHALL BE TESTED IN ACCORDANCE WITH NFPA 252 OR UL 10C. LABELS SHALL COMPLY WITH NFPA 80 AND SHALL BE PERMANENTLY AFFIXED TO THE DOOR OR FRAME (BC 715.3.5)

62. ROOF SHALL BE COVERED WITH CLASS "A" ROOF COVERING MEETING THE REQUIREMENTS OF ASTM 108 OR UL 790 (BC 1505.1)

63. ABOVE DECK ROOF INSULATION SHALL BE COVERED WITH AN APPROVED ROOF COVERING AND SHALL PASS THE TESTS OF FM 4450 OR UL 1256 WHEN TESTED AS AN ASSEMBLY (BC 1508.1)

64. PENETRATIONS OF FIRE-RESISTANCE-RATED WALLS SHALL COMPLY WITH BC 712.3.1.1 OR BC 712.3.1.2.

65. STEEL ELECTRICAL BOXES IN FIRE-RESISTANCE-RATED WALLS THAT DO NOT EXCEED 16 SQ IN IN AREA PROVIDED THAT THE TOTAL AREA OF SUCH OPENINGS DOES NOT EXCEED 100 SQ IN IN ANY 100 SQ FT OF WALL AREA SHALL BE INSTALLED PER BC 712.3.2 EXCEPTION 1.

66. PENETRATIONS OF FIRE-RESISTANCE-RATED HORIZONTAL ASSEMBLIES SHALL COMPLY WITH BC 712.4.1.1 OR BC 712.4.1.2 (BC 712.4.1)

67. INTERIOR FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH THE SURFACE FLAME SPREAD RATING OBTAINED AS PRESCRIBED IN ASTM E-84 PER BC 803.1.

68. FIRE DOORS SHALL HAVE THE FIRE RESISTIVE RATINGS INDICATED IN TABLE 715.3

69. ALL DUCT SHAFT OFFSETS SHALL BE ENCASED WITH 2 HOUR FIRE RATING, UNLESS OTHERWISE NOTED. ALL PENETRATIONS THROUGH FIRE RATED DUCT ENCLOSURES ARE TO BE PROTECTED WITH 1 ½ HR RATED FIRE DAMPERS (BC 716.3.1)

EGRESS

70. ALL EXITS SHALL BE KEPT READILY ACCESSIBLE AND UNOBSTRUCTED AT ALL TIMES (BC 1014.2). AN ACCESSIBLE MEANS OF EGRESS MUST BE PROVIDED BETWEEN THE EXIT DISCHARGE AND THE PUBLIC WAY. ACCESSIBLE MEANS OF EGRESS ARE TO BE IDENTIFIED ON PLANS.

71. STAIRWAYS SHALL BE BUILT IN MATERIALS CONSISTENT WITH THE TYPE PERMITTED IN TYPE 1 CONSTRUCTION (BC 1009.5).

72. WALKING SURFACES INCLUDING TREADS AND LANDINGS SHALL BE BUILT OF OR SURFACED WITH NONSKID MATERIALS (BC 1003.4).

73. STAIR WIDTH SHALL BE DETERMINED BY OCCUPANCY SERVED BY BC 1005.1. STAIR WIDTH SHALL BE A MINIMUM OF 44" WIDE, EXCEPT WHERE ALLOWED TO BE NO LESS THAN 36" WIDE (BC 1009.1)

74. STAIRWAY CLEAR HEADROOM SHALL NOT BE LESS THAN 80" (6'-8") IN R-2 OCCUPANCY. STAIRS THAT SERVE OCCUPANCIES OTHER THAN R-2 SHALL NOT HAVE HEADROOM LESS THAN 84" (7'-0") (BC 1009.2)

75. R-2 OCCUPANCY: STAIR RISERS SHALL BE MAXIMUM 7-3/4" HIGH, TREADS MINIMUM 9-1/2" WIDE EXCLUSIVE OF NOSING, AND THE SUM OF TWO RISERS PLUS ONE TREAD EXCLUSIVE OF NOSING SHALL NOT BE LESS THAN 24" NOR MORE THAN 25-1/2". NOSING OF ¾" TO 1-1/4" TO BE PROVIDED ON TREADS LESS THAN 11". RISERS SHALL BE SOLID AND VERTICAL OR SLOPED AT NOT MORE THAN 30° FROM THE VERTICAL. (BC 1009.3 & BC 1009.3.2)

76. OTHER OCCUPANCIES: STAIR RISERS SHALL BE MAXIMUM 7" HIGH, TREADS MINIMUM 11" WIDE. RISERS SHALL BE SOLID AND VERTICAL OR SLOPED AT NOT MORE THAN 30° FROM THE VERTICAL THE LEADING EDGE OF TREADS SHALL NOT PROJECT MORE THAN 1-1/4" BEYOND THE TREAD BELOW. (BC 1009.3 & BC 1009.3.2)

77. STAIRS SHALL HAVE HANDRAILS ON EACH SIDE (EXCEPT THAT STAIRS LESS THAN 44" WIDE SHALL HAVE A HANDRAIL ON ONE SIDE ONLY). HANDRAILS SHALL PROVIDE A FINGER CLEARANCE OF 1-1/2" AND SHALL PROJECT NOT MORE THAN 4-1/2" INTO REQUIRED STAIR WIDTH. STAIRS MORE THAN 60" WIDE SHALL HAVE INTERMEDIATE HANDRAILS. HEIGHT OF HANDRAIL SHALL BE BETWEEN 34" AND 38" ABOVE THE TREAD NOSING. WHERE HANDRAILS ARE NOT CONTINUOUS BETWEEN FLIGHTS THE HANDRAILS SHALL EXTEND 12" HORIZONTALLY BEYOND THE TOP RISER AND CONTINUE TO SLOPE FOR THE DEPTH OF ONE TREAD BEYOND THE BOTTOM RISER (BC 1009.11)

78. MATERIALS OF HANDRAILS SHALL HAVE A FLAME SPREAD RATING NOT EXCEEDING 150. HANDRAILS AND GUARDS SHALL BE DESIGNED TO RESIST AN APPLICATION OF A LATERAL FORCE OR VERTICAL LOAD OF 50P/LF AND A NON-SIMULTANEOUS CONCENTRATED LOAD OF 200LBS (BC 1607.7.1). OPEN SIDED WALKING SURFACES SHALL BE ENCLOSED ON ALL SIDES BY WALLS OR GUARDS AT LEAST 42" HIGH. (BC 1009.11)

79. GUARDS SHALL NOT ALLOW A 4" SPHERE TO PASS UP TO A HEIGHT OF 34" FROM THE ADJACENT WALKING SURFACE. FROM 34" - 42" ABOVE THE ADJACENT WALKING SURFACE AN 8" SPHERE SHALL NOT PASS (BC 1012.3). FOR REQUIREMENTS AT MECHANICAL ROOMS SEE BC 1012.3 EXCEPTION 2.

80. ILLUMINATION OF AT LEAST 1 FOOT CANDLES MEASURED AT THE FLOOR LEVEL SHALL BE MAINTAINED CONTINUOUSLY IN EXITS AND THEIR ACCESS FACILITIES (BC 1006.2).

81. EXIT LIGHTING SHALL BE ON CIRCUITS THAT ARE SEPARATE FROM ANY OTHER CIRCUITS, TAKEN OFF AHEAD OF THE MAIN SWITCH.

82. LOCATION OF EVERY EXIT ON EVERY FLOOR SHALL BE CLEARLY INDICATED BY EXIT SIGNS, PLACED, IF REQUIRED, AT AN ANGLE WITH THE EXIT OPENING. INSTALL DIRECTIONAL SIGNS TO SERVE AS GUIDE FROM ALL PORTIONS OF THE CORRIDOR OR FLOOR; SIGNS SHALL BE ON SEPARATE CIRCUITS, TAKEN OFF AHEAD OF THE MAIN SWITCH (BC 1011). EXIT SIGNS ARE NOT REQUIRED WITHIN DWELLING UNITS PER BC 1011.1 EXCEPTION 2.

83. EXIT SIGNS SHALL BE INTERNALLY ILLUMINATED, HAVING AN INITIAL BRIGHTNESS OF THE LETTERS OF AT LEAST 25 FEET LAMBERT. LETTERS SHALL BE RED, THE BACKGROUND SHALL BE WHITE, LETTERS SHALL BE BLOCK LETTERING, AT LEAST 6" HIGH, WITH PROPORTIONAL LETTER WIDTHS, STROKES AND SPACING (BC 1011.4).

84. MEANS OF EGRESS SHALL HAVE A MINIMUM CLEAR HEIGHT OF 90" (7'-6"). PROJECTIONS BELOW THE CEILING SHALL BE PERMITTED PROVIDED THAT A MIN HEADROOM OF 84" (7'-0") IS PROVIDED FOR ANY WALKING SURFACE. NO MORE THAN 50% OF THE CEILING AREA OF A MEANS OF EGRESS SHALL BE REDUCED IN HEIGHT BY PROTRUDING OBJECTS (BC 1003.3.2).

85. EXIT DOORS SHALL BE READILY OPENABLE AT ALL TIMES FROM THE SIDE FROM WHICH EGRESS IS TO BE MADE (BC 1008.1.8). DOORS OPENING INTO INTERIOR ENCLOSED STAIRS SHALL NOT BE LOCKED FROM EITHER SIDE EXCEPT THAT DOORS MAY BE LOCKED TO PREVENT ACCESS TO THE STAIR FROM THE POINT OF DISCHARGE (BC 1008.1.8.7).

86. VENTILATION OF EACH REQUIRED STAIR EXTENDING TO THE ROOF WILL CONSIST OF WINDOWS AND LOUVERS MINIMUM 20 SQUARE FEET, WITH 1" THICK INSULATED GLASS OF GLAZING IN WINDOWS MINIMUM 144 SQUARE FEET OF LOUVER AT ROOF (PER MULTIPLE DWELLING LAW ARTICLE 3 SECTION 36).

87. GLAZING IN RATED DOORS AND WINDOWS SHALL COMPLY WITH BC 715.4 AND SHALL MEET THE ACCEPTANCE CRITERIA OF NFPA 257 AND NFPA 80.

ELEVATOR

88. ALL ELEVATOR DOORS SHALL HAVE ELECTRIC INTERLOCKS

89. ONE ELEVATOR OR HOIST IN READINESS WILL BE PROVIDED DURING CONSTRUCTION OR DEMOLITION EXCEEDING 75 FEET IN HEIGHT. THE MAXIMUM DISTANCE BETWEEN THE HIGHEST ACCESSIBLE FLOOR OF THE BUILDING AND THE WORKING DECK OF THE BUILDING SHALL BE NO MORE THAN 75' OR 7 FLOORS. (BC 3303.12)

INTERIOR

90. SECURITY REQUIREMENTS FOR DOORS AND WINDOWS IN R-2 OCCUPANCY
   A. BUILDING ENTRANCE DOORS AND OTHER EXTERIOR DOORS SHALL BE PROVIDED WITH HEAVY DUTY LOCK SETS WITH AUXILIARY LATCH BOLTS TO PREVENT THE LATCH FROM BEING MANIPULATED BY OTHER THAN A KEY (BC 1008.4.1).
   B. DOORS TO DWELLING UNITS SHALL BE EQUIPPED WITH A HEAVY DUTY LATCH SET AND A HEAVY DUTY DEAD BOLT OPERABLE BY A KEY FROM THE OUTSIDE AND A THUMB TURN FROM THE INSIDE. THOSE DOORS SHALL ALSO BE EQUIPPED WITH A CHAIN GUARD SO AS TO PERMIT PARTIAL OPENING OF THE DOOR. DWELLING UNIT ENTRANCE DOORS SHALL ALSO BE EQUIPPED WITH A VIEWING DEVICE LOCATED SO AS TO ENABLE A PERSON ON THE INSIDE OF THE ENTRANCE DOOR TO VIEW A PERSON IMMEDIATELY OUTSIDE. (BC 1008.4.2)
   C. ALL OPENABLE WINDOWS SHALL BE EQUIPPED WITH SASH LOCKS DESIGNED TO BE OPENABLE FROM THE INSIDE ONLY (BC 1008.4.3).

93. 24 HOUR ILLUMINATION TO BE PROVIDED ADJACENT TO THE MAILBOXES.

94. GAS APPLIANCES TO COMPLY WITH SECTION 64 M.D.L. & CHAPTER 9 OF THE MECHANICAL CODE.

95. RADIO AND T.V. WIRES AND ANTENNA (IF PROVIDED) SHALL COMPLY WITH SECTION 62 M.D.L. AND SHALL BE PLACED A MINIMUM OF 10'-0" ABOVE HIGHEST POINT OF ROOF.

APARTMENTS

96. KITCHENETTES SHALL BE LESS THAN 80 SQUARE FEET AS PER BC 1202.1 AND SECTION 33 MULTIPLE DWELLING CODE.

97. ALL BATHROOMS SHALL BE PROVIDED WITH NATURAL OR MECHANICAL VENTILATION IN ACCORDANCE WITH BC 1203.4.1.3.

98. PARTITIONS SHALL REST DIRECTLY UPON THE FLOOR CONSTRUCTION AND SHALL EXTEND TO THE UNDERSIDE OF THE FLOOR OR ROOF ABOVE.

99. A MINIMUM CEILING HEIGHT OF 8'-0" SHALL BE MAINTAINED IN ALL HABITABLE ROOMS (BC 1208.2).

100. ALL COMBUSTIBLE FLOORING SHALL CONFORM WITH THE REQUIREMENTS OF BC 804.4.1 THROUGH 804.4.4.

101. SMOKE DETECTORS SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS WITHIN EACH DWELLING UNIT (BC 907.2.10.1.1):
   A. ON THE CEILING OR WALL OUTSIDE EACH SLEEPING ROOM, WITHIN 15' OF THE PRIMARY DOOR OF SUCH ROOM
   B. IN EACH SLEEPING ROOM
   C. IN EACH STORY OF A DWELLING UNIT.

105. REQUIRED SMOKE ALARMS SHALL RECEIVE THEIR POWER FROM A DEDICATED BRANCH CIRCUIT OR FROM THE UNSWITCHED PORTION OF A BRANCH CIRCUIT ALSO USED FOR POWER AND LIGHTING, AND SHALL BE EQUIPPED WITH BATTER BACK UP. ALARMS SHALL EMIT A SIGNAL WHEN BATTERIES ARE LOW (BC 907.2.10.2)

106. WHERE MORE THAN ONE SMOKE DETECTOR IS REQUIRED IN ANY INDIVIDUAL DWELLING UNIT ALL SUCH SMOKE DETECTORS SHALL BE INTERCONNECTED IN SUCH A MANNER THAT THE ACTIVATION OF ANY ONE ALARM OR DETECTOR WILL ACTIVATE ALL OF THE ALARMS OR DETECTORS IN THE INDIVIDUAL UNIT (BC 907.2.10.3).

107. BATHROOM SIDE OF PARTITIONS SHALL BE 5/8" WATER RESISTANT GYPSUM WALLBOARD, MIN. (SEE PARTITION SCHEDULE)

108. THE MINIMUM OPENABLE AREA TO THE OUTDOORS SHALL BE 5% OF THE FLOOR AREA OF THE HABITABLE SPACE BEING VENTILATED. EVERY OPENING PROVIDING NATURAL VENTILATION SHALL BE AT LEAST 12 SF WITH 6SF OF OPENABLE AREA(OR 5.5 SF FOR AN OPERABLE CASEMENT WINDOW)(BC 1203.4.1.2.1)

109. THE MINIMUM NET GLAZED AREA SHALL BE 10% OF THE FLOOR AREA OF THE HABITABLE SPACE BEING SERVED. EVERY OPENING PROVIDING NATURAL LIGHT SHALL BE AT LEAST 12 SF (BC 1205.2.1)

110. ONLY PORTIONS OF GLAZED AREA MORE THAN 30" ABOVE THE INTERIOR FINISHED FLOOR SHALL BE CONSIDERED AS PROVIDING NATURAL LIGHT (BC 12053.2.7.1). THE TOP OF AT LEAST ONE WINDOW IN EVERY HABITABLE ROOM SHALL BE A MINIMUM OF 7'-0" ABOVE THE INTERIOR FINISHED FLOOR OF THE ROOM SERVED (BC 1205.2.7.2)

111. ALL CLEANING OF WINDOWS WILL BE IN CONFORMITY WITH STATE LABOR LAWS & WINDOW CLEANING CODE.

REFUSE COLLECTION

112. A REFUSE COLLECTING ROOM IN COMPLIANCE WITH BC 1213 SHALL BE PROVIDED FOR A REFUSE COMPACTING SYSTEM. A REFUSE CHUTE COMPLYING WITH BC 707.13 SHALL BE PROVIDED AND SHALL TERMINATE IN THE REFUSE COLLECTING ROOM. SUCH ROOM SHALL BE USED FOR NO OTHER PURPOSE AND SHALL BE SEPARATED FROM ALL OTHER OCCUPANCIES BY 3 HOUR FIRE RATED ENCLOSURE. DOORS INTO SUCH SPACES SHALL BE FPSC 1-1/2 HOUR FIRE RATED (BC 707.13.4).

113. ACCESS OPENINGS FOR REFUSE CHUTE SHALL BE LOCATED IN DEDICATED ACCESS ROOMS ENCLOSED IN 2HR RATED CONSTRUCTION WITH 1.5HR FPSC DOORS (BC 707.13.3) OPENINGS INTO THE REFUSE CHUTE SHAFT SHALL BE IN ACCORDANCE WITH SECTION 715, SHALL HAVE A 1.5 HR RATING AND SHALL BE SELF-CLOSING (BC 707.13.1).

114. THE COMPACTING ROOM FLOOR SHALL SLOPE TO A FLOOR DRAIN. A HOSE CONNECTION SHALL BE PROVIDED IN THE COMPACTING ROOM (BC 1213.2).

115. COMPACTING EQUIPMENT SHALL MEET THE CRITERIA OF ALL AUTHORITIES HAVING JURISDICTION INCLUDING THE ENVIRONMENTAL PROTECTION ADMINISTRATION.

116. REFUSE CHUTE TO BE PREFABRICATED #16 GAUGE ALUMINIZED STEEL, 2'-0" OUTSIDE DIAMETER. CHUTE SHALL HAVE SOUND DEADENING APPLIED TO THE EXTERIOR AT THE FACTORY. CHUTE SHALL BE SUPPORTED AT EACH FLOOR IN A SUBSTANTIAL MANNER ON SOUND VIBRATION PADS AS PER MANUFACTURER'S APPROVED TYPE DETAIL (BC 1207.3.1). PROVIDE SPRINKLER AND SANITIZING UNIT AT REFUSE CHUTE.

BUILDING INTERIOR

117. WHERE PROVIDED LAUNDRY MACHINES ARE AN ACCESSORY USE FOR TENANTS OF THE BUILDING ONLY AND WILL NOT BE USED FOR BUSINESS PURPOSE.

118. PUBLIC HALL LIGHTING SHALL COMPLY WITH ARTICLE 14 - ARTICLE 19 H.M.C.

119. INTERIOR FINISH TO HAVE FLAME SPREAD RATING IN ACCORDANCE WITH TABLE 803.5 AND ALL INTERIOR FINISHES ARE TO COMPLY WITH SECTION BC 803.

120. INTERCOMMUNICATION SYSTEM TO BE LOCATED AT ENTRANCE DOORS TO LOBBY ALLOWING VOICE COMMUNICATION BETWEEN THE OCCUPANT OF EACH DWELLING UNIT AND PERSON OUTSIDE SAID ENTRANCE DOOR AND PERMITTING THE BUILDING OCCUPANT TO RELEASE THE LOCKING MECHANISM OF SAID DOOR FROM THE DWELLING UNIT. IF FULL-TIME LOBBY ATTENDANT IS PROVIDED INTERCOMMUNICATION SYSTEM MAY BE BETWEEN EACH DWELLING UNIT AND THE ATTENDANT'S STATION, BC 1008.4.4 ALSO SEE SPECIFICATIONS.

121. EQUIPMENT USE CARDS WILL BE OBTAINED FOR AIRCONDITIONING AND VENTILATION SYSTEMS.

122. FUEL BURNING AND FUEL STORAGE EQUIPMENT PERMIT WILL BE OBTAINED FROM FDNY.

123. NOISE CONTROL:
   A. WALLS, PARTITIONS, FLOORS/ CEILING ASSEMBLIES SEPARATING APARTMENTS FROM EACH OTHER OR FROM PUBLIC OR SERVICE AREAS ARE TO HAVE MINIMUM S.T.C. RATING OF 50 FOR AIRBORNE NOISE IN ACCORDANCE WITH ASTM E 90 OR NOT LESS THAN 45 IF FIELD TESTED IN ACCORDANCE WITH ASTM E 336. APARTMENT ENTRANCE DOOR ASSEMBLIES SHALL HAVE A MINIMUM 35 S.T.C. RATING IN ACCORDANCE WITH ASTM E 1408 (BC 1207.2).
   B. DUCTS SERVICING DWELLING UNITS SHALL BE LINED WITH DUCT LINING TO MAINTAIN THE REQUIRED ACOUSTICAL RATINGS (BC 1207.2) AND AT LEAST 20 FEET FROM THE FAN DISCHARGE OR INTAKE; OTHERWISE AN APPROVED SOUND ATTENUATING DEVICE SHALL BE INSTALLED THEREIN. DUCT LINING SHALL CONFORM TO THE REQUIREMENTS OF THE NYC MECHANICAL CODE.
   C. PENETRATION OF OPENINGS IN WALLS, PARTITIONS OR FLOORS FOR PIPE SLEEVES, MEDICINE CABINETS, HAMPERS, ELECTRIC DEVICES, ETC. SHALL BE PACKED, SEALED LINED OR OTHERWISE ISOLATED TO MAINTAIN THE REQUIRED S.T.C. RATING.
   D. FLOOR AND CEILING CONSTRUCTION SEPARATING DWELLING UNITS FROM EACH OTHER OR FROM PUBLIC HALLS OR CORRIDORS SHALL HAVE A MINIMUM IMPACT INSULATION CLASS (IIC) OF 50 IN ACCORDANCE WITH ASTM E 92 OR NOT LESS THAN 45 IF FIELD TESTED IN ACCORDANCE WITH ASTM E 1007 IN COMPLETED CONSTRUCTION (BC 1207.3).

124. ALL MECHANICAL EQUIPMENT SHALL BE COMPLY WITH THE MECHANICAL CODE OF NEW YORK CITY

125. NO WORK IS TO BE DONE PERFORMED BEYOND STREET LINES WITHOUT APPROVAL OF THE DEPARTMENT OF TRANSPORTATION.

126. SIDEWALKS TO BE LAID IN ACCORDANCE WITH RULES OF THE DEPARTMENT OF TRANSPORTATION.

127. ALL PAVED WALKS, SURFACES, AND AREAWAYS WILL BE DRAINED ADEQUATELY WITHIN THE SITE.

128. HOUSE NUMBERS WILL BE PROVIDED AS PER DEPARTMENT OF BUILDINGS RULES AND REGULATIONS.

129. STAIRWAY FLOOR NUMBER AND IDENTIFICATIONS SIGHS SHALL BE PROVIDED AS DESCRIBED IN BC 1019.1.7. EACH STAIR SHALL BE IDENTIFIED WITH AN ALPHABETIC LETTER. STAIRWAY IDENTIFICATION SIGNS SHALL BE PROVIDED ON BOTH SIDES OF EACH STAIR DOOR (BC 1019.1.7).

130. SMOKE DETECTORS CONNECTED TO CENTRAL SYSTEM SHALL BE INSTALLED IN ALL SPACES IN CELLAR HAVING OCCUPANCY.

131. EXHAUST SHALL TERMINATE 10'-0", ABOVE SIDEWALK AND FROM ANY WINDOW IN ANOTHER BUILDING OR FROM ANY WINDOW PROVIDING NATURAL VENTILATION TO A HABITABLE ROOM WITHIN THE RESIDENTIAL PORTION OF THE SAME BUILDING.

132. PROVIDE A SAFETY TYPE WASTE CAN AT EACH BUILDING ENTRANCE OR EXIT DOOR.

133. ALL CORNERS OF PARAPET WALLS SHALL BE REINFORCED WITH CORROSION RESISTANT STEEL TIES AT VERTICAL INTERVALS OF 12", SAME SHALL EXTEND AROUND CORNERS FOR 4'-0" IN BOTH DIRECTIONS AND SPLICES SHALL BE LAPPED AT LEAST 6".

FLOOD

134. THIS SITE LIES WITHIN A FLOOD HAZARD AREA (ZONE X) AS DESIGNATED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY FOR FEMA COMMUNITY PANEL # 360497 PANEL 0201F.

EARTHQUAKE

135. THIS SITE IS WITHIN SEISMIC DESIGN CATEGORY C AND SHALL BE DESIGNED TO COMPLY WITH SECTIONS BC 1613 - BC 1623 & LL 17/95

SEISMIC REINFORCING OF MASONRY WALLS

136. EXTERIOR:
   A. PROVIDE #4 VERTICAL REBAR FULL HEIGHT @ EACH OF OPENING, @ ENDS OF WALLS, @ CORNERS & @ 8'-0" O.C. IN CAVITY WALL WITH 6" CONCRETE BLOCK
   B. ALL CONCRETE BLOCK RECEIVING REBAR SHALL BE FULLY GROUTED.
   C. BOND BEAM ABOVE AND BELOW MASONRY OPENINGS
   D. PROVIDE EYE AND PINTLE HORIZONTAL REINFORCING (TRUSS TYPE) EVERY OTHER COURSE. MUST MEET SEISMIC REQUIREMENTS.
   E. PROVIDE PREMADE CORNER AND "T"S' FOR HORIZONTAL REINFORCEMENT.
   F. PROVIDE HEAD ANCHORS @ 16" O.C. AND AT JAMBS.
   G. MASONRY SHALL MEET OR EXCEED ALL REQUIREMENTS OF NYC BUILDING CODE & RS-10.

137. INTERIOR:
   A. PROVIDE #4 VERTICAL REBAR FULL HEIGHT @ EACH OF OPENING, @ ENDS OF WALLS, @ INTERSECTION OF WALLS, @ CORNERS & @ 8'-0" O.C. FOR 4" BLOCK WALL & @ 6'-0" O.C. FOR 6" & 8" BLOCK WALLS.
   B. ALL CONCRETE BLOCK RECEIVING REBAR SHALL BE FULLY GROUTED.
   C. PROVIDE #9 GAUGE DURO-WALL HORIZONTAL REINFORCEMENT @ EVERY OTHER BLOCK COURSE.

LANDMARK

138. THIS SITE IS NOT WITHIN A LANDMARK DISTRICT

PARKING GARAGES

139. PARKING GARAGES SHALL BE EITHER OPEN, AS PER SECTION 406.3 OR ENCLOSED, AS PER SECTION 406.4. PARKING GARAGES SHALL ALSO COMPLY WITH THE SPECIAL PROVISIONS OF SECTION 509.

140. THE CLEAR HEIGHT OF EACH FLOOR LEVEL IN VEHICLE AND PEDESTRIAN TRAFFIC AREAS SHALL NOT BE LESS THAN 7 FEET. VEHICLE AND PEDESTRIAN AREAS ACCOMMODATING VAN-ACCESSIBLE PARKING REQUIRED BY SECTION 1106.5 SHALL CONFORM TO ICC A117.1

141. GUARDS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 1012 AT EXTERIOR AND INTERIOR VERTICAL OPENINGS ON FLOOR AND ROOF AREAS WHERE VEHICLES ARE PARKED OR MOVED AND WHERE THE VERTICAL DISTANCE TO THE GROUND OR SURFACE DIRECTLY BELOW EXCEEDS 30 INCHES.

142. PARKING AREAS SHALL BE PROVIDED WITH EXTERIOR OR INTERIOR WALLS OR VEHICLE BARRIERS, EXCEPT AT PEDESTRIAN OR VEHICULAR ACCESSES, DESIGNED IN ACCORDANCE WITH SECTION 1607.7. VEHICLE BARRIERS NOT LESS THAN 2 FEET HIGH SHALL BE PLACED AT THE ENDS OF DRIVE LANES AND THE END OF PARKING SPACES WHERE THE DIFFERENCE IN ADJACENT FLOOR ELEVATION IS GREATER THAN 1 FOOT.

143. RAMPS SHALL HAVE A GRADIENT NOT EXCEEDING ONE IN SEVEN, WITH NONSLIP SURFACES. A LEVEL LANDING HAVING A MINIMUM DIMENSION OF 20 FEET SHALL BE PROVIDED AT THE DISCHARGE POINT OF ALL RAMPS AT THE STREET LEVEL WITHIN THE PROPERTY LINE. RAMPS USED FOR THE MOVEMENT OF MOTOR VEHICLES NEED NOT BE ENCLOSED WHEN SERVING TIERS ABOVE GRADE. VEHICLE RAMPS MAY SERVE AS PART OF A MEANS OF EGRESS PROVIDED THAT SUCH RAMP COMPLIES WITH THE REQUIREMENTS OF SECTIONS 1018.1.1 AND 1018.1.2.

144. PARKING SURFACES SHALL BE OF CONCRETE OR SIMILAR NONCOMBUSTIBLE AND NONABSORBENT MATERIALS. THE AREA OF FLOOR USED FOR PARKING OF VEHICLES SHALL BE SLOPED TO FACILITATE THE MOVEMENT OF LIQUIDS TO A DRAIN. EXCEPTION: ASPHALT PARKING SURFACES ARE PERMITTED AT GROUND LEVEL.

145. PARKING GARAGES SHALL BE SEPARATED FROM OTHER OCCUPANCIES IN ACCORDANCE WITH SECTION 508.

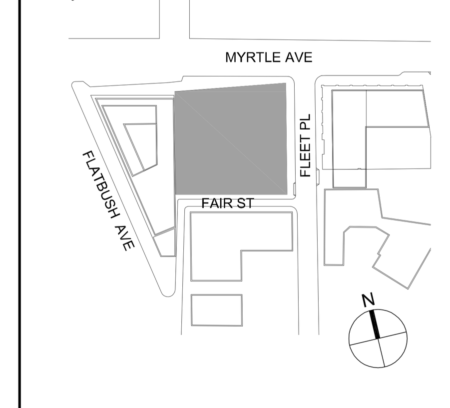
146. IN ANY PARKING GARAGE OR LOT, ONE OR MORE AISLES, AT LEAST 24 INCHES IN WIDTH, SHALL BE PROVIDED TO PERMIT ACCESS BY FIRE-FIGHTING PERSONNEL TO ALL PARTS OF THE GARAGE LOT. THERE SHALL NOT BE MORE THAN THREE ROWS OF PARKED MOTOR VEHICLES BETWEEN AISLES.

147. A MECHANICAL VENTILATION SYSTEM SHALL BE PROVIDED IN ACCORDANCE WITH THE NEW YORK CITY MECHANICAL CODE.

148. PROVIDE ACCESSIBLE PARKING SPACES EXCEPT AS OTHERWISE REQUIRED BY SECTIONS 1106.2 THROUGH 1106.4, 5 PERCENT OF THE TOTAL NUMBER OF PARKING SPACES, BUT NOT LESS THAN ONE PARKING SPACE. ACCESSIBLE PARKING SPACES SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH SECTION 502 (PARKING SPACES) OF ICC A117.1

149. PROVIDE SIGNAGE FOR ACCESSIBLE PARKING SPACES REQUIRED BY SECTION 1106.1 EXCEPT WHERE THE TOTAL NUMBER OF PARKING SPACES PROVIDED IS NO MORE THAN ONE.

Key Plan



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	08/06/14	HPD SUBMISSION
	07/11/14	SCHEMATIC DESIGN- EASEMENT REV
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DOB BSCAN:

DOB STAMPS & SIGNATURES:

DWG TITLE

GENERAL NOTES
PAGE 1

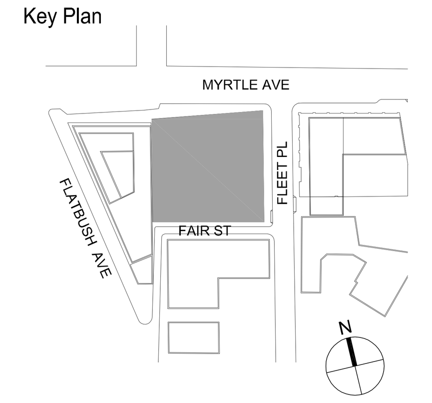
SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: NTS
DWG NO. A-002.00

MULTIPLE DWELLING LAW AND HOUSING MAINTENANCE CODE

1. D26-12.01 PAINTING OF PUBLIC PARTS AND WITHIN DWELLINGS
   A) IN THE PUBLIC PARTS OF A MULTIPLE DWELLING, THE OWNER SHALL:
      1) PAINT OR COVER THE WALLS AND CEILINGS WITH WALLPAPER OR OTHER ACCEPTABLE WALL COVERING: AND
      2) REPAINT OR RE-COVER THE WALLS AND CEILINGS WITH WALLPAPER OR OTHER ACCEPTABLE WALL COVERING WHENEVER NECESSARY IN THE JUDGMENT OF THE DEPARTMENT TO KEEP SUCH SURFACES SANITARY.
   B) IN OCCUPIED DWELLING UNITS IN A MULTIPLE DWELLING, THE OWNER SHALL:
      1) PAINT OR COVER THE WALLS AND CEILINGS WITH WALLPAPER OR OTHER ACCEPTABLE WALL COVERING: AND
      2) REPAINT OR RE-COVER THE WALLS AND CEILINGS WITH WALLPAPER OR OTHER ACCEPTABLE WALL COVERING EVERY THREE YEARS, AND MORE OFTEN WHEN REQUIRED BY CONTRACT OR OTHER PROVISIONS OF LAW.
   C) THE DEPARTMENT MAY REQUIRE A TENANT OF A DWELLING UNIT IN A MULTIPLE DWELLING TO REPAINT OR RECOVER THE INTERIOR WALLS AND CEILINGS OF HIS DWELLING UNIT WITH WALLPAPER OR OTHER ACCEPTABLE WALL COVERING IF SUCH WALLS AND CEILING BECOME UNSANITARY AT ANY TIME WITHIN THREE YEARS FROM THE DATE OF THE LAST REFINISHING BY THE OWNER. HOWEVER, IF THE TENANT CAN SHOW, TO THE SATISFACTION OF THE DEPARTMENT THAT THE WALLS AND CEILINGS HAVE BECOME UNSANITARY THROUGH NO ACT OR NEGLECT OF HIS OWN OR OF HIS FAMILY OR GUESTS, THE DEPARTMENT MAY REQUIRE THE OWNER TO REPAINT OR RE-COVER THE SAME. THIS SUBSECTION DOES NOT RELIEVE THE OWNER FROM HIS DUTIES UNDER SUBSECTION (B)(2) OF THIS SECTION.
   D) THE OWNER AND TENANT OF ANY DWELLING UNIT IN A MULTIPLE DWELLING MAY, BY VOLUNTARY AGREEMENT, PROVIDE THAT THE OWNER NEED NOT REPAINT IN SUCH UNIT AS REQUIRED BY SUBSECTION (B)(2) OF THIS SECTION FOR SUCH ADDITIONAL PERIOD, NOT TO EXCEED TWO YEARS, AS MAY BE AGREED UPON. SUCH AN AGREEMENT TO EXTEND THE TIME FOR REPAINTING SHALL NOT BE VALID UNLESS IT HAS BEEN ENTERED INTO NOT EARLIER THAN ONE MONTH PRIOR TO THE EXPIRATION OF THE THREE-YEAR PERIOD, AND SHALL NOT FORM PART OF ANY AGREEMENT OF LEASE. THE DEPARTMENT MAY PRESCRIBE THE FORM OF SUCH AGREEMENTS, REQUIRE THEM TO BE FILED, AND MAY MAKE SUCH OTHER REGULATIONS AS MAY BE NECESSARY TO AVOID ABUSE, AND TO FURTHER THE PURPOSE OF THIS ARTICLE. NOT WITHSTANDING ANY AGREEMENT, THE DEPARTMENT MAY, DURING THE PERIOD FOR WHICH REPAINTING IS DEFERRED BY AGREEMENT, ORDER REPAINTING BY THE OWNER IN ANY DWELLING UNIT WHEN DEEMED NECESSARY TO KEEP THE WALLS AND CEILING OF SUCH UNIT SANITARY. THIS SUB-SECTION SHALL NOT AFFECT THE APPLICABILITY OF SUB-SECTION (C) OF THIS SECTION DURING THE THREE YEARS AFTER ANY REPAINTING OR RE-COVERING.
   E) NEITHER THE OWNER NOR A TENANT OF A DWELLING UNIT SHALL PLACE WALLPAPER OR WALL COVERINGS UPON A WALL OR CEILING IN THE PUBLIC OR TENANT-OCCUPIED PARTS OF A DWELLING UNLESS EXISTING WALLPAPER OR WALL COVERING IS FIRST REMOVED AND SUCH WALL OR CEILING IS CLEANED ARE REPAIRED. HOWEVER, IF WALLPAPER OR WALL COVERING IS IN GOOD CONDITION, FREE FROM VERMIN AND A COAT OF ACCEPTABLE PAINT OR SIZING IS APPLIED; ONE ADDITIONAL LAYER OF WALLPAPER OR WALL COVERING MAY BE APPLIED.
   F) NOTHING CONTAINED IN THIS SECTION SHALL BE DEEMED TO REQUIRE THE OWNER OF A DWELLING TO COVER WITH WALLPAPER OR OTHER ACCEPTABLE COVERING ANY WALL OR CEILING NOT PREVIOUSLY SO COVERED BY HIM. WHEN A WALL OR CEILING OF A DWELLING UNIT HAS BEEN DECORATED WITH PAPER, WOOD PANELING, OR OTHER MATERIAL OVER WHICH PAINT NORMALLY IS NOT APPLIED, THE OWNER SHALL BE RELIEVED OF HIS OBLIGATION TO REPAINT OR RE-COVER SUCH WALL OR CEILING SO LONG AS THE SAME REMAINS IN A SANITARY CONDITION, IN THE JUDGMENT OF THE DEPARTMENT. WHEN THE DEPARTMENT REQUIRES REDECORATION OF SUCH WALL OR CEILING, THE TENANT SHALL REMOVE ANY PAPER, WALL COVERING, WOOD PANELING OR OTHER MATERIAL WHICH HE HIMSELF HAS APPLIED BEFORE THE OWNER IS REQUIRED TO CLEAN AND REPAIR AND REPAINT OR RE-COVER. HOWEVER, IF THE OWNER OR FORMER TENANT HAS APPLIED PAPER, OR WALL COVERING, WOOD PANELING OR OTHER MATERIAL, THE OWNER SHALL BE RESPONSIBLE FOR ITS REMOVAL BEFORE REDECORATION.
   G) THE OWNER OF A MULTIPLE DWELLING SHALL KEEP AND MAINTAIN RECORDS RELATING TO THE REFINISHING OF PUBLIC PARTS AND DWELLING UNITS SHOWING WHEN SUCH PARTS WERE LAST PAINTED, PAPERED OR COVERED WITH ACCEPTABLE MATERIAL AND WHO PERFORMED THE WORK. SUCH RECORDS SHALL BE OPEN TO INSPECTION BY THE DEPARTMENT AND SHALL BE SUBMITTED TO THE DEPARTMENT UPON REQUEST.
   H) THE OWNER OF A MULTIPLE DWELLING SHALL REMOVE OR COVER IN A MANNER APPROVED BY THE DEPARTMENT ANY PAINT OR OTHER SIMILAR SURFACE- COATING MATERIAL HAVING A READING OF 0.7 MILLIGRAMS OF LEAD PER SQUARE CENTIMETER OR GREATER OR CONTAINING MORE THAN 0.5 PERCENT OF METALLIC LEAD BASED ON THE NON-VOLATILE CONTENT OF THE PAINT OR OTHER SIMILAR SURFACE-COATING MATERIAL ON THE INTERIOR WALLS, CEILINGS, DOORS, WINDOW SILLS OR MOLDINGS IN ANY DWELLING UNIT IN WHICH A CHILD OR CHILDREN SIX (6) YEARS OF AGE OR UNDER RESIDE.
   I) IN ANY MULTIPLE DWELLING ERECTED PRIOR TO JANUARY 1, 1960 IN WHICH PAINT OR OTHER SIMILAR SURFACE-COATING MATERIAL IS FOUND TO BE PEELING ON THE INTERIOR WALLS, CEILINGS, DOORS, WINDOW SILLS OR MOLDINGS IN ANY DWELLING UNIT IN WHICH A CHILD OR CHILDREN SIX (6) YEARS OF AGE OR UNDER RESIDE, IT SHALL BE PRESUMED THAT THE PEELING SUBSTANCE CONTAINS MORE THAN 0.5 PERCENT OF METALLIC LEAD BASED ON THE NON- VOLATILE CONTENT OF THE PAINT OR OTHER SIMILAR SURFACE-COATING MATERIAL OR HAVING A READING OF 0.7 MILLIGRAMS OF LEAD PER SQUARE CENTIMETER OR GREATER.
   J) THE EXISTENCE OF PAINT OR OTHER SIMILAR SURFACE-COATING MATERIAL HAVING A READING OF 0.7 MILLIGRAMS OF LEAD PER SQUARE CENTIMETER OR GREATER OR CONTAINING MORE THAN 0.5 PERCENT OF METALLIC LEAD BASED ON THE NON- VOLATILE CONTENT OF THE PAINT OR OTHER SIMILAR SURFACE-COATING MATERIAL ON THE INTERIOR WALLS, CEILINGS, DOORS, WINDOW SILLS OR MOLDINGS IN ANY DWELLING UNIT IN A MULTIPLE DWELLING IN WHICH A CHILD OR CHILDREN SIX (6) YEARS OF AGE AND UNDER RESIDE SHALL CONSTITUTE A CLASS C IMMEDIATELY HAZARDOUS VIOLATION AND SUBJECT THE OWNER OF SUCH MULTIPLE DWELLING TO THE PENALTIES OF SUCH VIOLATION PROVIDED IN ARTICLE 51 OF THIS CODE. THE PRESUMPTION ESTABLISHED IN PARAGRAPH 2 ABOVE MAY BE REBUTTED BY THE OWNER OF THE MULTIPLE DWELLING. SUCH PROOF SHALL BE IN FORM AND SUBSTANCE ACCEPTABLE TO THE DEPARTMENT OR A COURT OF COMPETENT JURISDICTION.
   K) THE DEPARTMENT SHALL TRANSMIT TO THE DEPARTMENT OF HEALTH A LIST OF VIOLATIONS PLACED PURSUANT TO THIS SECTION, BY PREMISES.
   L) THE DEPARTMENT SHALL ESTABLISH PROCEDURES FOR THE ENFORCEMENT OF THIS SUBDIVISION.
2. D26-13.03 RODENT AND INSECT ERADICATION: MANDATORY EXTERMINATION
   A) THE OWNER OR OCCUPANT IN CONTROL OF A DWELLING SHALL KEEP THE PREMISES FREE FROM RODENTS, AND FROM INFESTATIONS OF INSECTS AND OTHER PESTS, AND FROM ANY CONDITION CONDUCIVE TO RODENT OR INSECT AND OTHER PEST LIFE.
   B) WHEN ANY PREMISES IS SUBJECT TO INFESTATION BY RODENTS OR INSECTS AND OTHER PESTS, THE OWNER OR OCCUPANT IN CONTROL SHALL APPLY CONTINUOUS ERADICATION MEASURES.
   C) WHEN THE DEPARTMENT MAKES THE DETERMINATION THAT ANY PREMISES ARE INFESTED BY RODENTS, INSECTS OR OTHER PESTS, IT MAY ORDER SUCH ERADICATION MEASURES AS THE DEPARTMENT DEEMS NECESSARY.
3. D26-13.05 ELIMINATION OF HARBORAGES
   A) ALL BUILDING MATERIAL, LUMBER, BOXES, CARTONS, BARRELS, CONTAINERS, MACHINERY, RAW MATERIAL, FABRICATED GOODS, JUNK, FOOD, ANIMAL FEED AND ANY OTHER SUBSTANCES WHICH MAY AFFORD HARBORAGE OR PROVIDE FOOD FOR SUCH RODENTS OR INSECTS AND OTHER PESTS SHALL BE KEPT STORED OR HANDLED BY THE OWNER AND TENANTS OF EVERY DWELLING IN SUCH MANNER AS THE DEPARTMENT MAY REQUIRE. THE DEPARTMENT MAY MAKE ORDERS TO ELIMINATE RAT HARBORAGE TO THE PERSON WHO IS RESPONSIBLE FOR THE CONDITIONS. THE DEPARTMENT SHALL UNCOVER AND INSPECT PERIODICALLY ALL STRUCTURAL HARBORAGES WHICH CANNOT BE ELIMINATED FROM DWELLINGS.
4. D26-14.01 DEFINITIONS
   1) WHEN USED IN THIS ARTICLE:
      (a)ORGANIC WASTES SHALL MEAN ALL WASTES PRODUCED BY OR FROM LIVING ORGANISMS.
      (b)INORGANIC WASTES SHALL MEAN ALL WASTES OTHER THAN ORGANIC WASTES, INCLUDING DISCARDED LUMBER, WOOD SHAVINGS AND FURNITURE.
      (c)HOUSEHOLD WASTES SHALL MEAN ALL WASTES, ORGANIC AND INORGANIC, WHICH ARE PRODUCED WITHIN A DWELLING UNIT.
5. D26-14.03 RECEPTACLES FOR WASTE MATTER
   A) NEWSPAPERS, WRAPPING PAPER, OR OTHER INORGANIC WASTES WHICH ARE LIKELY TO BE BLOWN OR SCATTERED ABOUT THE STREETS SHALL BE SECURELY BUNDLED, TIED REPACKED BEFORE BEING PLACED FOR COLLECTION. SUCH MATERIALS SHALL BE KEPT AND PLACED FOR COLLECTION IN THE SAME MANNER AS THE RECEPTACLES.
6. D26-14.05 FREQUENCY OF COLLECTION WASTE MATTER FROM DWELLING UNITS IN MULTIPLE DWELLINGS
   A) THE OWNER OF A MULTIPLE DWELLING SHALL NOT ALLOW THE ACCUMULATION EXCEPT IN A LAWFUL RECEPTACLE OF ASHES OR ANY TYPE OF WASTE MATTER IN ANY PART OF THE PREMISES.
   B) IN MULTIPLE DWELLINGS WHERE THE OWNER PROVIDES DUMBWAITER SERVICE, ALL WASTE MATTER SHALL BE COLLECTED AT LEAST ONCE DAILY AND DEPOSITED IN SEPARATE RECEPTACLES.
   C) IN MULTIPLE DWELLINGS WHERE NO DUMBWAITER SERVICE IS PROVIDED, THE OWNER SHALL PROVIDE BETWEEN THE HOURS OF SEVEN A.M. AND TEN A.M. OR BETWEEN FIVE P.M. AND EIGHT P.M. DAILY:
      (a)A SUFFICIENT NUMBER OF RECEPTACLES BUT IN NO EVENT LESS THAN TWO WITHIN THE DWELLING OR OTHER AREA APPROVED BY THE DEPARTMENT WHICH ARE ACCESSIBLE TO THE TENANTS. SUCH RECEPTACLES SHALL BE REMOVED PROMPTLY UPON THE EXPIRATION OF THE SELECTED TIME PERIOD AND TAKEN TO THEIR PLACE OF STORAGE: OR
      (b)A PICK-UP SERVICE AT EACH DWELLING UNIT TO COLLECT ASHES AND WASTES FOR DEPOSIT IN THE RECEPTACLES REFERRED TO IN SECTION 26-14.03 OF THIS ARTICLE. THE OWNER SHALL POST AND MAINTAIN A NOTICE IN A CONSPICUOUS PLACE IN THE DWELLING INFORMING THE TENANTS OF THE HOUR AND METHOD OF COLLECTION. A NEW NOTICE SHALL BE POSTED AND MAINTAINED WITHIN 48 HOURS PRECEDING ANY CHANGE IN SUCH HOUR OR METHOD.
   D) THE TENANT OF A MULTIPLE DWELLING SHALL DISPOSE OF WASTE MATTER IN ACCORDANCE WITH THE METHOD PROVIDED BY THE OWNER UNDER SUBSECTION (B) OR (C) OF THIS SECTION. THE TENANT SHALL NOT ACCUMULATE ANY WASTE MATTER IN HIS DWELLING UNIT SO AS TO CREATE A CONDITION WHICH IS UNSANITARY OR A FIRE HAZARD IN THE JUDGMENT OF THE DEPARTMENT.
   E) SUBSECTIONS (B), (C), AND (D) SHALL NOT APPLY TO ANY MULTIPLE DWELLING WHERE REGULAR COMPACTOR SERVICES OR OTHER MEANS OF DISPOSAL APPROVED BY THE DEPARTMENT ARE PROVIDED. THE TENANT IN SUCH A DWELLING SHALL DISPOSE OF WASTE MATTER IN A COMPACTOR OR BY SUCH OTHER APPROVED MEANS OF DISPOSAL AND SHALL NOT PERMIT WASTES TO ACCUMULATE SO AS TO CREATE A CONDITION WHICH IS UNSANITARY OR A FIRE HAZARD IN THE JUDGMENT OF THE DEPARTMENT.
7. D26-16.03 DRAINAGE OF ROOFS AND COURT YARDS
   A) THE OWNER OF A DWELLING SHALL GRADE AND MAINTAIN THE GRADING OF ALL ROOFS, TERRACES, SHAFTS, COURTS, YARDS, AND OTHER OPEN SPACES ON THE LOT, AND SHALL PROVIDE AND MAINTAIN UNOBSTRUCTED DRAINAGE FROM THESE AREAS AND SPACES THROUGH A DRAIN CONNECTED TO A STREET STORM-WATER MAIN OR COMBINED SEWER AND STREET STORM-WATER MAIN, THE DEPARTMENT MAY PERMIT THE STORM WATER FROM SUCH AREAS TO DRAIN INTO A STREET GUTTER LEADING TO A NATURAL CHANNEL, WATER COURSE, OR DRY WELL.
   B) THE OWNER OF A DWELLING SHALL PROVIDE AND MAINTAIN DRAINAGE FROM ALL ROOFS TO CARRY OFF STORM WATER, TO PREVENT IT FROM DRIPPING TO THE GROUND, OR FROM CAUSING DAMPNESS IN WALLS, CEILINGS, AND OPEN SPACES.
   C) THE DEPARTMENT MAY REQUIRE THE OWNER OF A DWELLING TO SURFACE SHAFTS, COURTS, YARDS AND OTHER OPEN SPACES ON THE LOT WITH CONCRETE, AND TO PITCH THE SURFACES OF SUCH AREAS TOWARDS A SEWER-CONNECTED DRAIN OR OTHER ADEQUATE DRAINAGE SYSTEM, EXCEPT THAT, WITH RESPECT TO PRIVATE DWELLINGS, THE DEPARTMENT MAY PERMIT THE SURFACING OF SUCH AREAS WITH BITUMINOUS AGGREGATE OR OTHER SIMILAR MATERIAL.
   D) THE OWNER OF A DWELLING MAY PLANT GRASS, SOD, SHRUBS, TREES AND OTHER VEGETATION IN YARDS AND COURTS, UNLESS THE DEPARTMENT ORDERS ITS REMOVAL BECAUSE IN ITS OPINION SUCH VEGETATION INTERFERES WITH PROPER DRAINAGE, LIGHT, VENTILATION, OR EGRESS.
8. D26-19.03 DUTY TO PROVIDE ELECTRIC LIGHTING EQUIPMENT IN ALL DWELLINGS
   A) THE OWNER SHALL EQUIP EVERY DWELLING FOR LIGHTING BY ELECTRICITY. HE SHALL PROVIDE AND MAINTAIN LIGHT FIXTURES TO PROVIDE LIGHTING FOR ALL PUBLIC PARTS IN A DWELLING, INCLUDING THE MEANS OF EGRESS, FOR EVERY ROOM, WATER-CLOSET COMPARTMENT AND BATHROOM IN EVERY DWELLING UNIT, AND FOR EVERY FIXTURE, THE OWNER SHALL INSTALL AND MAINTAIN SUCH RECEPTACLE OUTLETS AS MAY BE REQUIRED BY THE ELECTRICAL CODE. EXCEPT AS OTHERWISE PROVIDED IN THIS CODE OR IN THE ELECTRICAL CODE, THE OWNER MAY SUBSTITUTE AN ADDITIONAL RECEPTACLE OUTLET FOR A REQUIRED LIGHT FIXTURE IN LIVING ROOMS OTHER THAN KITCHENS.
9. D26-19.03 ELECTRIC LIGHTING FIXTURES IN CERTAIN PUBLIC PARTS OF DWELLINGS FIXTURES AND LIGHTS REQUIRED
   A) IN EVERY MULTIPLE DWELLING AND TENANT-OCCUPIED TWO-FAMILY DWELLING THE OWNER SHALL PROVIDE ELECTRIC LIGHTING FIXTURES FOR EVERY PUBLIC HALL, STAIR, FIRE-STAIR AND FIRE-TOWER ON EVERY FLOOR, IN ACCORDANCE WITH THE FOLLOWING REQUIREMENTS:
      (a)IF AN INCANDESCENT LIGHTING FIXTURE IS PROVIDED, IT SHALL BE CAPABLE OF PROVIDING ILLUMINATION OF AT LEAST TEN WATTS PER 25 SQUARE FEET OF FLOOR-AREA OR FRACTION THEREOF. EACH LIGHTING FIXTURE SHALL BE PROVIDED WITH ONE OR MORE LIGHTS OF A TOTAL OF NOT LESS THAN 60 WATTS. WHERE, UNDER THIS REQUIREMENT, THE NUMBER OF WATTS PER FIXTURE WOULD EXCEED 100, ONE OR MORE ADDITIONAL FIXTURES SHALL BE PROVIDED AND SHALL BE LOCATED AS MAY BE PRESCRIBED BY THE DEPARTMENT, EXCEPT WHERE THE DISTANCE FROM THE FIXTURE TO THE FARTHEST INTERSECTING WALL DOES NOT EXCEED 20 FEET.
      (b)IF A FLUORESCENT LIGHTING FIXTURE IS PROVIDED, IT SHALL BE CAPABLE OF PROVIDING ILLUMINATION OF AT LEAST FOUR WATTS COOL WHITE FLUORESCENT LIGHT PER 25 SQUARE FEET OF FLOOR- AREA OR FRACTION THEREOF. EACH LIGHTING FIXTURE SHALL BE PROVIDED WITH ONE OR MORE LIGHTS OF A TOTAL OF NOT LESS THAN 20 WATTS. WHERE, UNDER THIS REQUIREMENT, THE NUMBER OF WATTS PER FIXTURE WOULD EXCEED 40, ONE OR MORE ADDITIONAL FIXTURES SHALL BE PROVIDED AND SHALL BE LOCATED AS MAY BE PRESCRIBED BY THE DEPARTMENT EXCEPT WHERE THE DISTANCE FROM THE FIXTURE TO THE FARTHEST INTERSECTING WALL DOES NOT EXCEED 20 FEET.
      (c)IN EVERY MULTIPLE DWELLING HEREAFTER ERECTED, IN ADDITION TO OTHER LIGHTING REQUIREMENTS, A SUFFICIENT NUMBER OF INCANDESCENT OR FLUORESCENT FIXTURES SHALL BE PROVIDED SO THAT THE DISTANCE BETWEEN FIXTURES IS NOT MORE THAN 30 FEET AND SO THAT NO WALL IS MORE THAN 15 FEET DISTANT FROM A FIXTURE.
   B) NOTWITHSTANDING ANY OTHER REQUIREMENT OF THIS SECTION. THE DEPARTMENT MAY REQUIRE FIXTURES TO BE SO LOCATED, AND ADDITIONAL FIXTURES TO BE INSTALLED, IN ORDER TO ASSURE THAT EVERY PART OF EVERY PUBLIC HALL, STAIR, FIRE-STAIR OR FIRE TOWER IS ADEQUATELY LIGHTED.
10. D26-19.05 LIGHTING TO BE PROVIDED AT NIGHT: OWNER'S RESPONSIBILITY
   A) THE OWNER OF A MULTIPLE DWELLING SHALL TURN ON ALL REQUIRED LIGHTS IN EVERY PUBLIC HALL AND STAIR AT SUNSET EVERY DAY AND KEEP THEM ON UNTIL SUNRISE THE DAY FOLLOWING.
   B) THE OWNER OF A MULTIPLE DWELLING SHALL KEEP ALL REQUIRED LIGHTS BURNING CONTINUOUSLY:
      (a)IN EVERY FIRE-STAIR AND FIRE TOWER;
      (b)IN EVERY STAIR AND PUBLIC HALL WHERE THERE IS NO WINDOW OPENING ON A STREET, COURT, YARD, SPACE ABOVE A SETBACK, OR ON A SHAFT; AND
      (c)IN EVERY STAIR AND PUBLIC HALL WHERE THERE IS A WINDOW WHICH IS IN THE OPINION OF THE DEPARTMENT DOES NOT PROVIDE ADEQUATE NATURAL LIGHT.
   C) THE OWNER OF THE MULTIPLE DWELLING SHALL PROVIDE ELECTRIC LIGHT AT ALL HOURS OF THE DAY AND NIGHT IN ROOMS OR SPACES IN MULTIPLE DWELLINGS IN WHICH LAUNDRY EQUIPMENT IS PROVIDED FOR THE COMMON USE OF THE OCCUPANTS WHENEVER NATURAL LIGHT IS INSUFFICIENT IN THE OPINION OF THE DEPARTMENT.
   D) THE OWNER OF A MULTIPLE DWELLING SHALL INSTALL AND MAINTAIN IN WORKING CONDITION A LIGHTING FIXTURE THAT CAN BE TURNED ON BY A TENANT OR BY THE MAIL CARRIER DIRECTLY OVER A MAIL BOX OR OTHER RECEPTACLE FOR MAIL IF THE NATURAL LIGHT IN THE PUBLIC HALLS IS NOT SUFFICIENT TO READ THE NAME ON EACH MAIL BOX OR RECEPTACLE.
   E) THE OWNER OF A MULTIPLE DWELLING SHALL NOT BE RESPONSIBLE IF ANY REQUIRED LIGHT BECOMES EXTINGUISHED AND REMAINS SO IF HE CAN SHOW TO THE SATISFACTION OF THE DEPARTMENT OR COURT THAT IT BECAME AND REMAINED EXTINGUISHED WITHOUT HIS KNOWLEDGE OR CONSENT.
11. D26-19.07 LIGHTS NEAR ENTRANCE WAYS AND IN YARDS AND COURTS OF MULTIPLE DWELLINGS
   A) THE OWNER OF A MULTIPLE DWELLING SHALL INSTALL AND MAINTAIN ONE OR MORE LIGHTS AT OR NEAR THE OUTSIDE OF THE FRONT ENTRANCE WAY OF THE BUILDING WHICH SHALL IN THE AGGREGATE PROVIDE NOT LESS THAN 50 WATTS INCANDESCENT ILLUMINATION OR ITS EQUIVALENT FOR A BUILDING WITH A FRONTAGE IN EXCESS OF 22 FEET. IN THE CASE OF A MULTIPLE DWELLING WITH A FRONTAGE IN EXCESS OF 22 FEET AND FRONT ENTRANCE DOORS WITH A COMBINED WIDTH IN EXCESS OF FIVE (5) FEET, THE OWNER SHALL INSTALL AT LEAST TWO LIGHTS, ONE ON EACH SIDE OF THE ENTRANCE WAY, WITH AN AGGREGATE ILLUMINATION OF 150 WATTS INCANDESCENT ILLUMINATION OR ITS EQUIVALENT. IF THE MINIMUM LEVEL OF ILLUMINATION IS MAINTAINED, THE OWNER MAY DETERMINE DETAILS OF LOCATION, DESIGN AND INSTALLATION OF LIGHTING FIXTURES, SUBJECT, HOWEVER, TO REGULATIONS OF THE DEPARTMENT WITH RESPECT TO THE MINIMUM HEIGHT ABOVE OR DISTANCE FROM THE ENTRANCE WAY OF SUCH FIXTURES, AND THE ELECTRICAL AND OTHER SAFETY OF THEIR INSTALLATION. THE LIGHTS REQUIRED BY THIS SUBSECTION SHALL BE BURNING FROM SUNSET ON EACH DAY TO SUNRISE ON THE DAY FOLLOWING.
   B) THE OWNER OF A MULTIPLE DWELLING SHALL INSTALL AND MAINTAIN IN EVERY YARD AND COURT, ONE OR MORE LIGHTS OF AT LEAST 40 WATTS OF INCANDESCENT ILLUMINATION OR ITS EQUIVALENT, IN SUCH LOCATIONS AS THE DEPARTMENT MAY PRESCRIBE. THE LIGHTS REQUIRED BY THIS SUBSECTION SHALL BE KEPT BURNING FROM SUNSET ON EACH DAY TO SUNRISE ON THE DAY FOLLOWING.
12. D26-20.01 PEEPHOLES IN EVERY DWELLING:
   A) THE OWNER SHALL PROVIDE AND MAINTAIN A PEEPHOLE IN THE ENTRANCE FLOOR OF EACH DWELLING UNIT. SUCH PEEPHOLE SHALL BE LOCATED, AS PRESCRIBED BY THE DEPARTMENT, IN SUCH A PLACE THAT THE PERSON IN EACH DWELLING UNIT MAY VIEW FROM THE INSIDE ANY PERSON IMMEDIATELY OUTSIDE THE ENTRANCE DOOR.
13. D26-20.03 MIRRORS IN ELEVATORS:
   A) THE OWNER OF A MULTIPLE DWELLING IN WHICH THERE ARE ONE OR MORE SELF-SERVICE ELEVATORS SHALL AFFIX AND MAINTAIN IN EACH SUCH ELEVATOR A MIRROR WHICH ENABLES PERSONS TO VIEW ITS INTERIOR BEFORE ENTERING THE SAME. THE MIRROR SHALL MEET SUCH REQUIREMENTS AS THE DEPARTMENT SHALL BY REGULATION PRESCRIBE.
14. D26-20.05 LOCKS IN DWELLING UNIT DOORS
   A) THE OWNER OF A DWELLING SHALL PROVIDE A KEY LOCK IN THE ENTRANCE DOOR TO EACH DWELLING UNIT AND AT LEAST ONE KEY. IN A CLASS A MULTIPLE DWELLING SUCH DOOR SHALL BE EQUIPPED WITH A HEAVY DUTY LATCH SET AND A HEAVY DUTY DEAD BOLT OPERABLE BY KEY FROM THE OUTSIDE AND A THUMB-TURN FROM THE INSIDE.
   B) EACH DWELLING UNIT ENTRANCE DOOR IN A CLASS A MULTIPLE DWELLING SHALL ALSO BE EQUIPPED WITH A CHAIN DOOR GUARD SO AS TO PERMIT PARTIAL OPENING OF THE DOOR.
15. D26-21.01 MAIL SERVICE: THE OWNER OF A MULTIPLE DWELLING SHALL EITHER:
   A) ARRANGE FOR MAIL TO BE DELIVERED TO HIMSELF, HIS AGENTS, OR EMPLOYEES FOR PROMPT DISTRIBUTION TO THE OCCUPANTS; OR AND BY THE REGULATIONS OF THE POST OFFICE DEPARTMENT.
   B) PROVIDE AND MAINTAIN APPROVED MAIL RECEPTACLES AND DIRECTORIES OF PERSONS LIVING IN THE DWELLING AS PROVIDED BY FEDERAL LAW
16. D26-21.03 FLOOR SIGNS:
   A) THE OWNER OF A MULTIPLE DWELLING MORE THAN TWO STORIES IN HEIGHT SHALL POST AND MAINTAIN A SIGN, OF SUFFICIENT SIZE TO BE READILY SEEN, WHICH STATES THE NUMBER OF THE FLOOR. SUCH SIGNS SHALL BE LOCATED IN THE PUBLIC HALL NEAR THE STAIRS AND ELEVATOR, AND WITHIN ANY STAIR ENCLOSURE.
17. STREET NUMBERS:
   A) THE OWNER OF A DWELLING SHALL POST AND MAINTAIN STREET NUMBERS ON THE DWELLING, WHICH ARE PLAINLY VISIBLE FROM THE SIDEWALK IN FRONT OF THE DWELLING, IN ACCORDANCE WITH SECTION 82(3) -1.0 OF THE ADMINISTRATIVE CODE AND THE RULES AND REGULATIONS ISSUED BY THE BOROUGH OF PRESIDENTS THERE UNDER.
18. D26-22.03 OBLIGATIONS OF OWNER
   A) THE OWNER OF MULTIPLE DWELLING SHALL PROVIDE ADEQUATE JANITORIAL SERVICES.
   B) IN A MULTIPLE DWELLING OF NINE OR MORE DWELLING UNITS, THE OWNER SHALL EITHER;
      (a) PERFORM THE JANITORIAL SERVICES HIMSELF, IF HE IS A RESIDENT OWNER; OR
      (b) PROVIDE A JANITOR; OR
      (c) PROVIDE FOR JANITORIAL SERVICES TO BE PERFORMED ON A 24-HOUR-A-DAY BASIS IN A MANNER APPROVED BY THE DEPARTMENT.
   C) THE OWNER OF A MULTIPLE DWELLING OR HIS MANAGING AGENT IN CONTROL SHALL POST AND MAINTAIN IN SUCH DWELLING A LEGIBLE SIGN, CONSPICUOUSLY DISPLAYED, CONTAINING THE JANITOR'S NAME, ADDRESS (INCLUDING APARTMENT NUMBER AND TELEPHONE NUMBER). A NEW IDENTIFICATION SIGN SHALL BE POSTED AND MAINTAINED WITHIN FIVE DAYS FOLLOWING A CHANGE OF JANITOR.
19. C26-22.05 RESIDENCE OF PERSON PERFORMING JANITORIAL SERVICES; LIMITATION ON NUMBER OF DWELLING UNITS SERVED:
   A) THE PERSON WHO PERFORMS JANITORIAL SERVICES FOR A MULTIPLE DWELLING OF NINE OR MORE DWELLING UNITS (OTHER THAN WHERE JANITORIAL SERVICES ARE PERFORMED ON A 24-HOUR-A-DAY BASIS UNDER SECTION D26-22.03(B)(3)) SHALL RESIDE IN OR WITHIN A DISTANCE OF ONE BLOCK OR 200 FEET FROM THE DWELLING, WHICHEVER IS GREATER, UNLESS THE OWNER RESIDES IN THE MULTIPLE DWELLING. WHERE TWO OR THREE MULTIPLE DWELLINGS ARE CONNECTED OR ADJOINING, IT SHALL BE SUFFICIENT, HOWEVER, THAT THE PERSON WHO PERFORMS JANITORIAL SERVICES RESIDE IN ONE OF THESE, BUT NO PERSON WHO PERFORMS SERVICES FOR MORE THAN ONE MULTIPLE DWELLING MAY SERVICE MORE THAN 65 DWELLING UNITS. REGARDLESS OF RESIDENCE THE JANITOR MUST HAVE A TELEPHONE WHERE THE JANITOR MAY REASONABLY BE EXPECTED TO BE REACHED.
20. D26-32.05 FIRE PROTECTION
   A) IN A MULTIPLE DWELLING, THE OWNER SHALL FIRE-RETARD IN EVERY KITCHEN AND KITCHENETTE ALL COMBUSTIBLE MATERIAL IMMEDIATELY UNDERNEATH OR WITHIN ONE FOOT OF ANY APPARATUS USED FOR COOKING OR WARMING FOOD; OR SHALL COVER SUCH COMBUSTIBLE MATERIAL WITH APPROPRIATE FIRE RESISTIVE MATERIAL, EXCEPT WHERE SUCH COOKING OR WARMING APPARATUS IS INSTALLED IN ACCORDANCE WITH REQUIREMENTS ESTABLISHED BY THE DEPARTMENT IN CONFORMITY WITH GENERALLY ACCEPTED SAFETY STANDARDS. THERE SHALL BE AT LEAST TWO FEET OF CLEAR SPACE ABOVE THE EXPOSED COOKING SURFACE OF ANY SUCH APPARATUS.
   B) IN A MULTIPLE DWELLING, THE OWNER SHALL; IN EVERY KITCHENETTE, INSTALL ONE OR MORE SPRINKLER HEADS TO FUSE AT A TEMPERATURE NOT HIGHER THAN TWO HUNDRED AND TWELVE DEGREES FAHRENHEIT (212°F). SUCH HEADS SHALL BE CONNECTED TO THE WATER SUPPLY THROUGH A PIPE OF AT LEAST ONE HALF INCH IN DIAMETER.
21. D26-41.01 REGISTRATION; TIME TO FILE
   A) THE OWNER OF A DWELLING REQUIRED TO REGISTER UNDER THIS ARTICLE SHALL REGISTER WITH THE DEPARTMENT IN ACCORDANCE WITH THE PROVISIONS OF THIS ARTICLE.
   B) A REGISTRATION STATEMENT SHALL BE FILED:
      (a) FOR EVERY EXISTING MULTIPLE DWELLING. A REGISTRATION STATEMENT FILED BY THE PRESENT OWNER OF A DWELLING PURSUANT TO THE REQUIREMENTS OF THE PRIOR LAW
      SHALL CONSTITUTE COMPLIANCE WITH THIS SECTION.
      (b) PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
      (c) ON OR BEFORE JULY 1, 1970, FOR ALL ONE AND TWO-FAMILY DWELLINGS WHOSE OWNER DOES NOT RESIDE WITHIN THE CITY AND THEREFORE NOT LATER THAN TEN DAYS AFTER
      THE OWNER OF A ONE OR TWO-FAMILY DWELLING REMOVES HIS RESIDENCE FROM THE CITY.
      (d) ON OR BEFORE JULY 1, 1984, OR ANY GARDEN-TYPE MAISONETTE DWELLING PROJECT CONSISTING OF A SERIES OF DWELLING UNITS WHICH TOGETHER AND IN THEIR
      AGGREGATE ARE ARRANGED OR DESIGNED TO PROVIDE THREE OR MORE APARTMENTS, AND ARE PROVIDED AS A GROUP COLLECTIVELY WITH ALL ESSENTIAL HEAT, AND WHICH ARE
      OPERATED AS A UNIT UNDER SINGLE OWNERSHIP, NOTWITHSTANDING THAT CERTIFICATES OF OCCUPANCY WHERE ISSUED FOR PORTIONS THEREOF AS PRIVATE DWELLINGS.
      (e) WITHIN SUCH TIME AS PROVIDED IN SECTION D26-41.05, IN THE CASE OF A CHANGE OF OWNERSHIP WHERE REGISTRATION IS REQUIRED UNDER THIS ARTICLE.
   C) AN OWNER WHO IS REQUIRED TO REGISTER SHALL FILE A NEW REGISTRATION STATEMENT EVERY THREE YEARS.
   D) AN OWNER WHO IS REQUIRED TO REGISTER SHALL FILE A NEW REGISTRATION STATEMENT ON THE REGISTRATION DATE ASSIGNED TO THAT DWELLING BY THE DEPARTMENT WHETHER OR NOT THAT OWNER FILED A REGISTRATION STATEMENT FOR THAT DWELLING WITHIN THE PREVIOUS THREE YEARS.
   E) THE REGISTRATION DATE OF A DWELLING SHALL BE A CALENDAR DATE AND YEAR ASSIGNED BY THE DEPARTMENT TO THAT DWELLING FOR THE PURPOSE OF REGISTRATION ON SUCH DATE AT INTERVALS OF THREE YEARS.
22. D26-41.03 REGISTRATION STATEMENT; CONTENTS
   A) THE REGISTRATION STATEMENT SHALL INCLUDE THE FOLLOWING INFORMATION:
      (a) AN IDENTIFICATION OF THE PREMISES BY BLOCK AND LOT NUMBER, AND BY THE STREET NUMBERS AND NAMES OF ALL STREETS CONTIGUOUS TO THE DWELLING, OR BY SUCH
      OTHER DESCRIPTION AS WILL ENABLE THE DEPARTMENT TO LOCATE THE DWELLING. IF THE DWELLING IS GARDEN-TYPE MAISONETTE DWELLING PROJECT REQUIRED TO REGISTER
      PURSUANT TO PARAGRAPH (4) OF SUBDIVISION (B) OF SECTION D26-41.01 OF THIS CODE, THE OWNER WHO FILES THE FIRST REGISTRATION STATEMENT WITH THE DEPARTMENT
      FOR SUCH PROJECT SHALL LIST ON THE REGISTRATION STATEMENT THE STREET NUMBERS FOR EACH DWELLING IN THE PROJECT AND SHALL DESIGNATE AND ADDRESS BY WHICH
      THE PROJECT DWELLINGS ARE TO BE IDENTIFIED BY THE DEPARTMENT.
      (b) AN IDENTIFICATION OF THE OWNER BY NAME, RESIDENCE AND BUSINESS ADDRESS. IF THE OWNER IS A CORPORATION, THE IDENTIFICATION SHALL ALSO INCLUDE THE NAMES
      AND ADDRESSES OF ANY PERSON WHOSE SHARE OF OWNERSHIP OF THE CORPORATION EXCEEDS TWENTY-FIVE PERCENT. FOR THE PURPOSES OF THIS SUBDIVISION, ANY PERSON
      OWNING A SHARE OF A PARENT CORPORATION SHALL BE DEEMED TO BE AN OWNER OF A SHARE OF A SUBSIDIARY CORPORATION EQUAL TO THE PRODUCT OF THE PERCENTAGE OF
      HIS OWNERSHIP OF THE PARENT CORPORATION MULTIPLIED BY THE PERCENTAGE OF THE PARENT CORPORATION'S OWNERSHIP OF THE SUBSIDIARY CORPORATION. IF THE OWNER IS
      UNDER THE AGE OF EIGHTEEN YEARS OF HAS BEEN JUDICIALLY DECLARED INCOMPETENT, HIS LEGAL REPRESENTATION SHALL FILE THE REGISTRATION STATEMENT.
      (c) IF THE DWELLING IS A MULTIPLE DWELLING, THE NAME AND ADDRESS OF A MANAGING AGENT DESIGNATED BY THE OWNER TO BE IN CONTROL OF AND RESPONSIBLE FOR THE
      MAINTENANCE AND OPERATION OF SUCH DWELLING AND TO AUTHORIZE, ON BEHALF OF THE OWNER, THE CORRECTION OF ANY EMERGENCY CONDITIONS OR THE MAKING OF ANY
      EMERGENCY REPAIRS FOR WHICH THE OWNER IS RESPONSIBLE UNDER THE PROVISIONS OF THE MULTIPLE DWELLING LAW OR THIS CODE. TO QUALIFY FOR SUCH DESIGNATION, AN
      AGENT SHALL BE A NATURAL PERSON OVER THE AGE OF TWENTY-ONE YEARS AND SHALL RESIDE WITHIN THE CITY OR CUSTOMARILY AND REGULARLY ATTEND A BUSINESS OFFICE
      MAINTAINED WITHIN THE CITY. AN OWNER OR CORPORATE OFFICER WHO MEETS SUCH QUALIFICATIONS MAY BE DESIGNATED TO SERVE AND REGISTER AS THE MANAGING AGENT.
      (d) IF THE DWELLING IS A MULTIPLE DWELLING THE NUMBER OF A TELEPHONE WITHIN A RADIUS OF 50 MILES OF THE CITY LIMITS WHERE AN OWNER OR OFFICER, IF THE OWNER IS
      A CORPORATION, OR THE MANAGING AGENT MAY REASONABLY BE EXPECTED TO BE REACHED AT ALL TIMES. THE TELEPHONE NUMBER CONTAINED IN THE REGISTRATION
      STATEMENT SHALL NOT BE CONSTITUTE A PUBLIC RECORD AND SHALL BE ACCESSIBLE ONLY TO DULY AUTHORIZED EMPLOYEES OF OFFICERS IF THE DEPARTMENT AND USE
      EXCLUSIVELY BY SUCH PERSONNEL IN CONNECTION WITH AN EMERGENCY ARISING ON THE PREMISES FOR WHICH THE OWNER IS RESPONSIBLE UNDER THE PROVISIONS OF THE
      MULTIPLE DWELLING LAW OR THIS CODE. THE DEPARTMENT MAY PROMULGATE REGULATIONS TO IMPLEMENT PROVISIONS OF THIS PARAGRAPH. THE REGISTRATION STATEMENT
      SHALL BE FILED ON FORMS TO BE PRESCRIBED BY THE DEPARTMENT AND SHALL BE ACCOMPANIED BY A FILING FEE TO BE PRESCRIBED BY THE DEPARTMENT. IN THE CASE OF AN
      OWNER PREVIOUSLY REGISTERED WITH THE DEPARTMENT, THE FILING OF A SUPPLEMENTARY REGISTRATION CONTAINING A TELEPHONE NUMBER REQUIRED UNDER SUBSECTION (A)
      (4) SHALL BE ACCOMPANIED BY A FILING FEE.
23. D26-41.15 POSTING OF SERIAL NUMBER:
   A) AN IDENTIFICATION SIGN CONTAINING THE DWELLING SERIAL NUMBER ASSIGNED BY THE DEPARTMENT FOR THE PURPOSE OF IDENTIFYING THE REGISTERED MULTIPLE DWELLING AND THE OWNER AND MANAGING AGENT SHALL BE POSTED IN EVERY MULTIPLE DWELLING IN THE MANNER AND LOCATION PRESCRIBED BY THE DEPARTMENT.
24. NEW YORK CITY ENERGY CONSERVATION CODE NOTES: (SEE LATEST CODE FOR FURTHER INFORMATION)
   A) OUTDOOR DESIGN CONDITIONS
      1) WINTER: N.Y.C. - 15 DEGREES FAHRENHEIT.
      2) SUMMER:
         (a) CENTRAL PARK/LAGUARDIA 89 DEGREES DRY BULB TEMPERATURE.
         (b) KENNEDY 87 DEGREES DRY BULB TEMPERATURE.
   B) INTERIOR DESIGN CONDITIONS
      1) WINTER: 72 DEGREES DRY BULB TEMPERATURE @ 30% MAXIMUM RELATIVE HUMIDITY.
      2) SUMMER: 78 DEGREES DRY BULB TEMPERATURE @ 30% MAXIMUM RELATIVE HUMIDITY.
25. HEATING
   A) ROOF ASSEMBLY: 5,000 DEGREE DAYS, UO=0.080 PER 7813.4 TABLE 4-2
   B) WALLS:
      1) 3 STORIES OR LESS, UO=0.30 MAXIMUM.
      2) OVER 3 STORIES, UO=0.36 MAXIMUM.
   C) FLOORS OVER UNHEATED SPACES, UO=0.08.
   D) SLAB EDGE & BASEMENT WALLS BELOW GRADE: MINIMUM R=5.0.
26. INSULATION TO CONFORM TO SECTION 7813
   A) INSULATION AROUND PERIMETER OF SLABS ON GRADE FLOORS SHALL COMPLY WITH TABLE 4-2(3).
   B) INSULATION OF BASEMENT WALLS BELOW GRADE SHALL CONFORM TO TABLE 4-2 - MINIMUM 24" BELOW GRADE.
27. AIR LEAKAGE (PER TABLE 4-4)
   A) WINDOWS: 0.50 CFM/1FC MAXIMUM @ 25 MPH WIND
   B) DOORS:
      1) SLIDING GLASS TYPE - 0.50 CFM/SF MAXIMUM @ 25 MPH WIND
      2) SWINGING GLASS TYPE -1.00 CFM/SF MAXIMUM @ 25 MPH WIND
      3) ALL OTHER TYPES - 11.00 CFM/1FC MAXIMUM @ 25 MPH WIND.
   C) FOLLOW AAMA 101 STANDARDS FOR AIR INFILTRATION OF DOORS AND WINDOWS
28. GENERAL NOTES
   A) ALL WINDOWS TO BE DOUBLE-GLAZED. SEE SPECIFICATIONS.
   B) EXTERIOR JOINTS AROUND WINDOWS & DOOR FRAME, OPENINGS BETWEEN WALLS & ROOFS/CEILINGS, OPENINGS @ PENETRATIONS FOR UTILITY SERVICES THROUGH WALLS, FLOORS, ETC. SHALL BE CAULKED, GASKETED WEATHER-STRIPPED OR OTHERWISE SEALED.
   C) HEATING LOADS CALCULATED AS PER SECTION 7813.13. HEATING THERMOSTAT TO BE CAPABLE OF RANGING BETWEEN 45-75 DEGREES FAHRENHEIT.
   D) MECHANICAL VENTILATION SHALL CONFORM TO SECTION 7813.16.
   E) ALL DUCTS TO CONFORM TO SECTION 7813.20.
   F) PIPING INSULATION TO CONFORM TO SECTION 7813.19.
   G) DUCT CONSTRUCTION & INSULATION TO CONFORM TO SECTION 7813.21.
   H) EQUIPMENT PERFORMANCE:
   I) SERVICE WATER, HEATERS, INSULATION, TEMPERATURE CONTROL, SHUTDOWN, PUMP OPERATION, HOT WATER CONSERVATION, & ELECTRIC POWER & LIGHTING TO CONFORM TO SECTIONS 7813.31 - 7813-39.
   J) CONSERVATION & ELECTRIC POWER & LIGHTING TO CONFORM TO SECTIONS 7813.31 - 7813-39.TO SECTIONS 7813.31 - 7813-39.
   K) CONSERVATION & ELECTRIC POWER & LIGHTING TO CONFORM TO SECTIONS 7813.31 - 7813-39.
   L) INSULATION & VAPOR BARRIER @ WARM SIDE OF MASONRY WALLS AS PER DIAGRAM 5.3.
   M) FOUNDATION WALLS TO COMPLY WITH DIAGRAM 5.5.
   N) ROOF CONSTRUCTION INSULATION & VAPOR BARRIER TO CONFORM TO DIAGRAM 5.6.
   O) EXTERIOR LIGHTING TO CONFORM TO SECTION E405.3(D).
   P) BUILDING DESIGN & DETAILS TO CONFORM TO SECTION 501.0.
29. HOUSING & MAINTENANCE CODE NOTES
   A) CLEANING OF ROOFS, YARDS, COURTS & OTHER OPEN SPACES OF A DWELLING CONTAINING TWO OR MORE DWELLING UNITS, AND THE OCCUPANCY OF A SINGLE FAMILY AS PER SECTION D26-11.01 H.M.C.
   B) ROOMS HAVING ONLY ONE WINDOW LESS THAN 18 SQ. FT. IN AREA SHALL HAVE A TRANSOM OVER THE DOOR, HAVING A MINIMUM AREA OF 144 SQ. FT. IN AREA B.S.B. D26-30.03 H.M.C.
30. MULTIPLE DWELLING LAW NOTES AS PER ARTICLE 7
   A) ALL BATHS AND TOILET COMPARTMENTS TO HAVE CERAMIC TILE FLOORS AND MINIMUM 6" HIGH COVE BASE TILE.
   B) ALL LUMBER DELIVERED TO SITE TO BE MARKET GRADE F-1450 PAI.
   C) BUILDING TO COMPLY WITH ARTICLE 3, SECTION 80 & 82 CLEANLINESS OF BUILDING.
   D) FIREPLACE FLUES TO BE LINED WITH TERRACOTTA LINING FOR ENTIRE LENGTH.
   E) NO MULTIPLE DWELLING SHALL BE SO ALTERED AS TO DIMINISH THE LIGHTS OR VENTILATION OF ANY ROOM, PUBLIC HALL, OR STAIRS IN ANY WAY NOT APPROVED BY THE DEPARTMENT AS PER SECTION 30 SUB 5 M.D.L.

Key Plan



Number:	Date:	Revision:
	08/06/14	HPD SUBMISSION
	07/11/14	SCHEMATIC DESIGN- EASEMENT REV
	06/20/14	SCHEMATIC DESIGN

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PROJECT

86 FLEET PLACE
86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

DOB STAMPS & SIGNATURES:

DWG TITLE

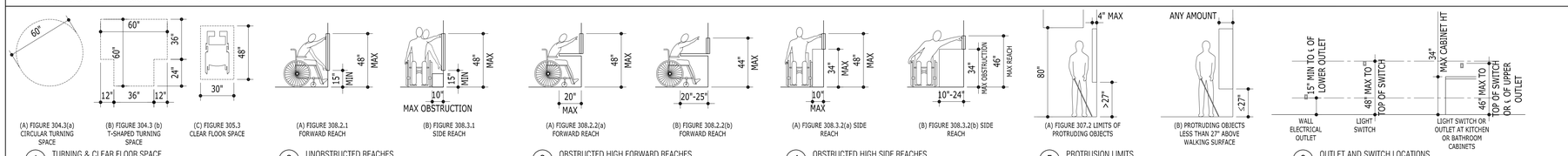
GENERAL NOTES
PAGE 2

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: NTS
DWG NO. A-003.00

ACCESSIBLE REQUIREMENTS

NOTE: ALL REFERENCES TO FIGURE NUMBER REFER TO ANSI 117.1-2003; ALL DIMENSIONS SHOWN ARE MINIMUM PERMITTED UNLESS NOTED OTHERWISE.



(A) FIGURE 304.3(a) CIRCULAR TURNING SPACE
(B) FIGURE 304.3 (b) T-SHAPED TURNING SPACE
(C) FIGURE 305.3 CLEAR FLOOR SPACE

1 TURNING & CLEAR FLOOR SPACE
NTS

(A) FIGURE 308.2.1 FORWARD REACH
(B) FIGURE 308.3.1 SIDE REACH

2 UNOBSTRUCTED REACHES
NTS

(A) FIGURE 308.2.2(a) FORWARD REACH
(B) FIGURE 308.2.2(b) FORWARD REACH

3 OBSTRUCTED HIGH FORWARD REACHES
NTS

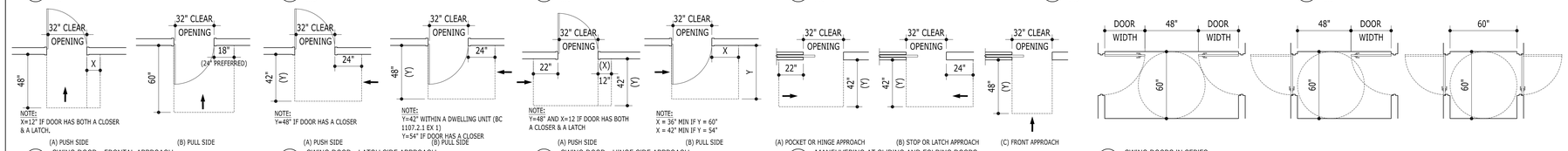
(A) FIGURE 308.3.2(a) SIDE REACH
(B) FIGURE 308.3.2(b) SIDE REACH

4 OBSTRUCTED HIGH SIDE REACHES
NTS

(A) FIGURE 307.2 LIMITS OF PROTRUDING OBJECTS
(B) PROTRUDING OBJECTS LESS THAN 27" ABOVE WALKING SURFACE

5 PROTRUSION LIMITS
NTS

6 OUTLET AND SWITCH LOCATIONS
NTS



(A) PUSH SIDE
(B) PULL SIDE

7 SWING DOOR - FRONTAL APPROACH
NTS

(A) PUSH SIDE
(B) PULL SIDE

8 SWING DOOR - LATCH SIDE APPROACH
NTS

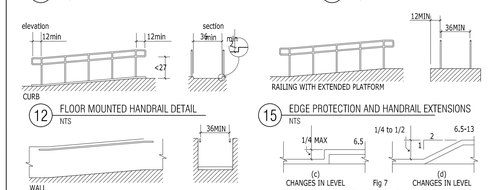
(A) PUSH SIDE
(B) PULL SIDE

9 SWING DOOR - HINGE SIDE APPROACH
NTS

(A) POCKET OR HINGE APPROACH
(B) STOP OR LATCH APPROACH
(C) FRONT APPROACH

10 MANEUVERING AT SLIDING AND FOLDING DOORS
NTS

11 SWING DOORS IN SERIES
NTS



12 FLOOR MOUNTED HANDRAIL DETAIL
NTS

13 WALL HANDRAIL DETAIL
NTS

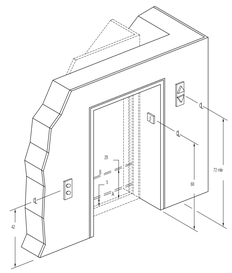
14 VERTICAL GUARD RAIL
NTS

15 EDGE PROTECTION AND HANDRAIL EXTENSIONS
NTS

16 CHANGES IN LEVEL
NTS

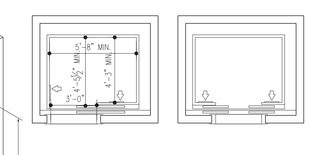
RAMPS
1. THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION SHALL BE 1:12 THE MAXIMUM RISE OF ANY SLOPE SHALL BE 12"
2. THE CLEAR WIDTH (BETWEEN HANDRAILS) SHALL BE 36"
3. LANDINGS LOCATED AT THE BOTTOM AND TOP OF EACH RUN SHALL BE AT LEAST AS WIDE AS THE WIDEST PART OF THE RAMP AND THE LENGTH SHALL BE 60" CLEAR
4. DIRECTION CHANGES AT LANDINGS SHALL HAVE A MINIMUM SIZE OF 60"x 60"
5. IF A DOORWAY IS LOCATED AT A LANDING, THEN THE AREA IN FRONT OF THE DOORWAY SHALL COMPLY WITH 4.13.6

HANDRAILS
1. PROVIDE HANDRAILS ON BOTH SIDES OF RAMP SEGMENTS
2. THE CLEAR SPACE BETWEEN THE HANDRAIL AND THE WALL SHALL BE 1-1/2"
3. THE GRIPPING SURFACE SHALL BE 1-1/4" OR 1-1/2" DIAMETER
4. THE TOP OF THE GRIPPING SURFACE SHALL BE MOUNTED BETWEEN 30" AND 34" ABOVE THE RAMP SURFACE



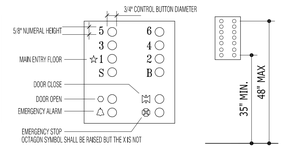
NOTE:
THE AUTOMATIC DOOR REOPENING DEVICE IS ACTIVATED IF AN OBJECT PASSES THROUGH EITHER LINE A OR LINE B. LINE A & B REPRESENT THE VERTICAL LOCATIONS OF THE DOOR REOPENING DEVICE NOT REQUIRING CONTACT.

17 ELEVATOR ENTRANCE
NTS



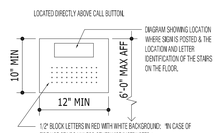
(A) SIDE OPENING DOOR
(B) CENTER OPENING DOOR

18 MIN ELEVATOR CAR DIMENSIONS & CONTROL LOCATIONS
NTS



(A) CAR CONTROL DETAIL
(B) CAR CONTROL PANEL LOCATION ELEVATION

19 CONTROL PANEL DETAILS
NTS



(A) C26-608.2-ELEVATOR LANDING SIGN

20 ELEVATOR AND STAIR SIGNAGE
NTS

C26-608.3- FLOOR NUMBERING SIGNS - ATTACHED TO STAIR DOOR WITHIN EACH STAIR ENCLOSURE ON EVERY FLOOR.

BOLD TYPE NUMERALS - NUMERALS AND BACKGROUND SHALL BE OF CONTRASTING COLORS.

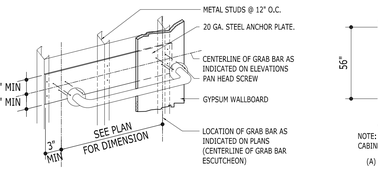
C26-608.4- STAIR AND ELEVATOR IDENTIFICATION SIGNS- LOCATED ON THE OCCUPANCY SIDE OF THE STAIR DOOR AND AT EACH ELEVATOR BANK ABOVE OR AS PART OF THE ELEVATOR LANDING SIGN.

BOLD TYPE LETTERS - LETTERS AND BACKGROUND SHALL BE OF CONTRASTING COLORS.

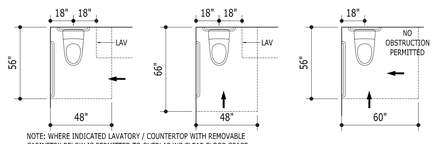
(B) SIGNAGE

NOTE:
GRAB BAR LOCATIONS AND WALL MOUNTED SEAT LOCATIONS INDICATED ARE FOR ALL BATHROOMS. CONTRACTOR IS TO PROVIDE REINFORCEMENT AS REQUIRED TO SECURE GRAB BARS / SEATS AT LOCATIONS INDICATED. REINFORCEMENT SHALL SPAN FROM STUD TO STUD. IF LOCATION OF GRAB BAR / SEAT REINFORCEMENT FALLS BETWEEN TWO STUDS THE CONTRACTOR SHALL FURNISH REINFORCEMENT PLATES OF SUFFICIENT LENGTH TO CONTINUE TO NEXT STUD AND SECURELY ATTACH TO SUCH.

GRAB BARS AND SEATS WILL NOT BE PROVIDED UNLESS SPECIFICALLY NOTED OTHERWISE.



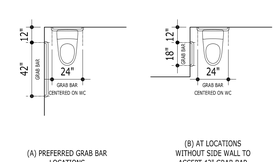
21 GRAB BAR ACHORING PLATE DETAILS
NTS



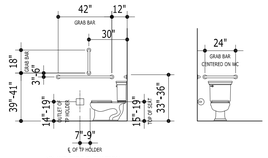
NOTE: WHERE INDICATED LAVATORY / COUNTERTOP WITH REMOVABLE CABINETRY BELOW IS PERMITTED TO OVERLAP WC CLEAR FLOOR SPACE

(A) PARALLEL APPROACH
(B) FORWARD APPROACH
(C) PARALLEL AND FORWARD APPROACH

22 WC CLEARANCES (BC APPENDIX P)
NTS

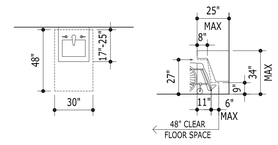


(A) PREFERRED GRAB BAR LOCATIONS
(B) AT LOCATIONS WITHOUT SIDE WALL TO ACCEPT 42" GRAB BAR



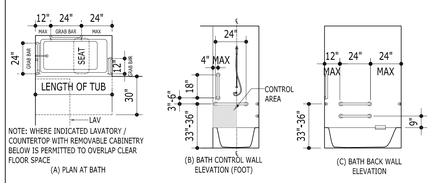
(C) WC SIDE ELEVATION

23 WC GRAB BAR LOCATIONS (BC APPENDIX P)
NTS



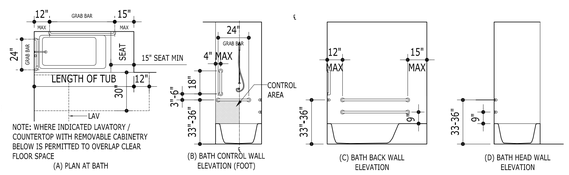
(A) PLAN AT LAVATORY
(B) ELEVATION OF KNEE AND TOE SPACE REQUIRED

24 LAVATORY CLEARANCES (BC APPENDIX P)
NTS



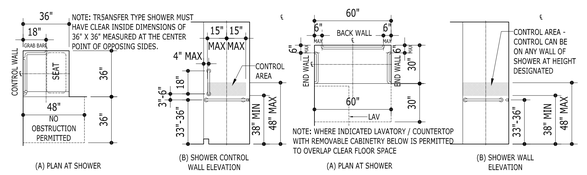
(A) PLAN AT BATH
(B) BATH CONTROL WALL ELEVATION (FOOT)
(C) BATH BACK WALL ELEVATION
(D) BATH HEAD WALL ELEVATION

25 BATHTUB CLEARANCES REMOVABLE SEAT (BC APPENDIX P)
NTS



(A) PLAN AT BATH
(B) BATH CONTROL WALL ELEVATION (FOOT)
(C) BATH BACK WALL ELEVATION
(D) BATH HEAD WALL ELEVATION

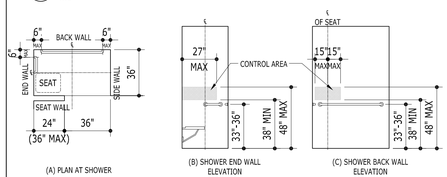
26 BATHTUB CLEARANCES PERMANENT SEAT (BC APPENDIX P)
NTS



(A) PLAN AT SHOWER
(B) SHOWER CONTROL WALL ELEVATION
(A) PLAN AT SHOWER
(B) SHOWER WALL ELEVATION

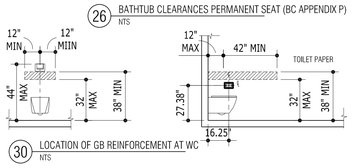
27 TRANSFER TYPE SHOWER (BC APPENDIX P)
NTS

28 ROLL-IN TYPE SHOWER (BC APPENDIX P)
NTS

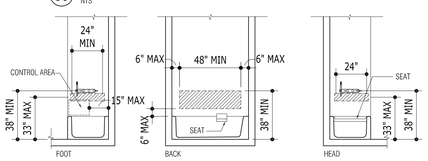


(A) PLAN AT SHOWER
(B) SHOWER END WALL ELEVATION
(C) SHOWER BACK WALL ELEVATION

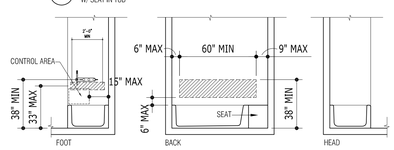
29 ALTERNATE ROLL-IN TYPE SHOWER (BC APPENDIX P)
NTS



30 LOCATION OF GB REINFORCEMENT AT WC
NTS

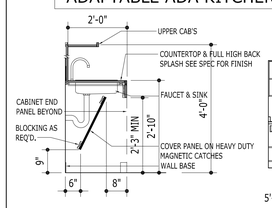


31 LOCATION OF GB REINFORCEMENTS & CONTROLS
W/ SEAT IN TUB

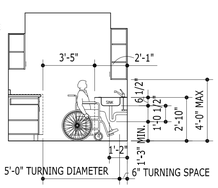


32 LOCATION OF GB REINFORCEMENTS & CONTROLS
W/ SEAT AT HEAD OF TUB

ADAPTABLE ADA KITCHEN DETAILS



34 TYPICAL ADA CABINET @ SINK
NTS



35 TYPICAL ADA KITCHEN SECTION
NTS

ACCESSIBILITY NOTES

1. PROPOSED WORK TO COMPLY WITH APPLICABLE REQUIREMENTS OF ANSI A117.1-2003, NEW YORK CITY BUILDING CODE, FAIR HOUSING ACT, AND UFAS/ SECTION 504
2. CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST, AS PER RS 4-6, 4.25.4
3. ACCESSIBLE ROUTES TO BE PROVIDED BETWEEN FACILITIES ON THE GROUND FLOOR, PROVIDING A MINIMUM OF 36 INCHES OF WIDTH ALONG THE ACCESSIBLE ROUTE AS PER RS 4-6, 4.3.1 AND A MINIMUM OF 32 INCHES OF WIDTH AT DOORWAYS, AS PER RS 4-6, 4.13.5
4. SMOKE DETECTORS TO BE INSTALLED WHICH MEET THE REQUIREMENTS OF SECTION 27-292.9(b), ADAPTABLE TO PROVIDE FLASHING LIGHTS ARRANGED TO FLASH IN CONJUNCTION WITH AUDIBLE SMOKE DETECTOR ALARMS
5. PROPOSED STORAGE FACILITIES SUCH AS CABINETS, SHELVES, CLOSETS AND DRAWERS SHALL COMPLY WITH APPLICABLE REQUIREMENTS OF LOCAL LAW #58/87 AND RS 4-6, 4.23
   a. CLEAR FLOOR SPACE OF A MINIMUM OF 30 INCHES BY 48 INCHES IS PROVIDED FOR APPROACH TO ALL STORAGE FACILITIES
   b. STORAGE SPACES SHALL COMPLY WITH AT LEAST ONE OF THE REACH RANGES SPECIFIED IN 4-6, 4.2.5 AND 4.2.6. CLOTHES RODS SHALL BE A MAXIMUM OF 54 INCHES FROM THE FLOOR
   c. HARDWARE FOR STORAGE FACILITIES SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST
6. ALL UNITS ARE ADAPTABLE

4.2 SPACE ALLOWANCES AND REACH RANGES

a A CLEAR FLOOR SPACE OF 30"x 48" SHALL BE PROVIDED FOR FORWARD AND PARALLEL APPROACHES SEE (FIGURE 4)

b 60" DIAMETER SPACE SHALL BE PROVIDED FOR WHEELCHAIR TURNING SEE (FIGURE 3)

4.8 RAMPS

a THE MAXIMUM SLOPE OF A RAMP IN NEW CONSTRUCTION SHALL BE 1:12
THE MAXIMUM RISE OF ANY SLOPE SHALL BE 30"

b THE CLEAR WIDTH (BETWEEN HANDRAILS) SHALL BE 36"

c LANDINGS LOCATED AT THE BOTTOM AND TOP OF EACH RUN SHALL BE AT LEAST AS WIDE AS THE WIDEST PART OF THE RAMP AND THE LENGTH SHALL BE 60" CLEAR

d DIRECTION CHANGES AT LANDINGS SHALL HAVE A MINIMUM SIZE OF 60"x 60"

e IF A DOORWAY IS LOCATED AT A LANDING, THEN THE AREA IN FRONT OF THE DOORWAY SHALL COMPLY WITH 4.13.6

4.8.5 HANDRAILS

a PROVIDE HANDRAILS ON BOTH SIDES OF RAMP SEGMENTS

b THE CLEAR SPACE BETWEEN THE HANDRAIL AND THE WALL SHALL BE 1-1/2"

c THE GRIPPING SURFACE SHALL BE 1-1/4" OR 1-1/2" DIAMETER

d THE TOP OF THE GRIPPING SURFACE SHALL BE MOUNTED BETWEEN 30" AND 34" ABOVE THE RAMP SURFACE

4.13 DOORS

a DOORWAYS SHALL HAVE A MINIMUM CLEAR OPENING OF 32" WITH THE DOOR OPEN 90 DEGREES MEASURED BETWEEN THE FACE OF THE DOOR AND THE STOP. FOR CLEARWAY WIDTH AND DEPTH SEE (FIGURE 24)

b FOR MANEUVERING CLEARANCES AT DOORS SEE (FIGURE 25)

4.15 DRINKING FOUNTAINS

a THE SPOUT HEIGHT SHALL BE NO HIGHER THAN 36" ABOVE THE FLOOR

4.16 WATERCLOSETS

a THE HEIGHT OF WATERCLOSETS SHALL BE 17" TO 19" ABOVE THE FLOOR TO THE TOP OF THE TOILET SEAT. FOR HEIGHTS, CONFIGURATIONS AND GRAB BARS SEE (FIGURES 28 AND 29) FOR STALLS SEE (FIGURE 30)

4.19 LAVATORIES AND SINKS

a LAVATORIES SHALL BE MOUNTED WITH A CLEARANCE OF 29" FROM THE FLOOR TO THE BOTTOM OF THE APRON. KNEE AND TOE CLEARANCE TO COMPLY WITH (FIGURE 31)

b SINKS SHALL BE MOUNTED WITH THE COUNTER OR RIM NO HIGHER THAN 34" FROM THE FLOOR

c A CLEAR FLOOR SPACE OF 30"x 48" SHALL BE PROVIDED IN FRONT OF A LAVATORY OR SINK TO ALLOW A FORWARD APPROACH AND TO COMPLY WITH (FIGURE 32)

d HOT WATER AND DRAIN PIPES UNDER LAVATORIES OR SINKS SHALL BE INSULATED

4.21 BATHTUBS

a BATHTUB SIZE AND CLEAR FLOOR SPACE IN FRONT SHALL COMPLY WITH (FIGURE 37).

b A BATHTUB SEAT SHALL BE PROVIDED.

c GRAB BARS SHALL BE PROVIDED AND COMPLY WITH (FIGURE 37).

Key Plan

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PROJECT

86 FLEET PLACE
86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

DOB STAMPS & SIGNATURES:

DWG TITLE

ACCESSIBILITY GUIDELINES

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
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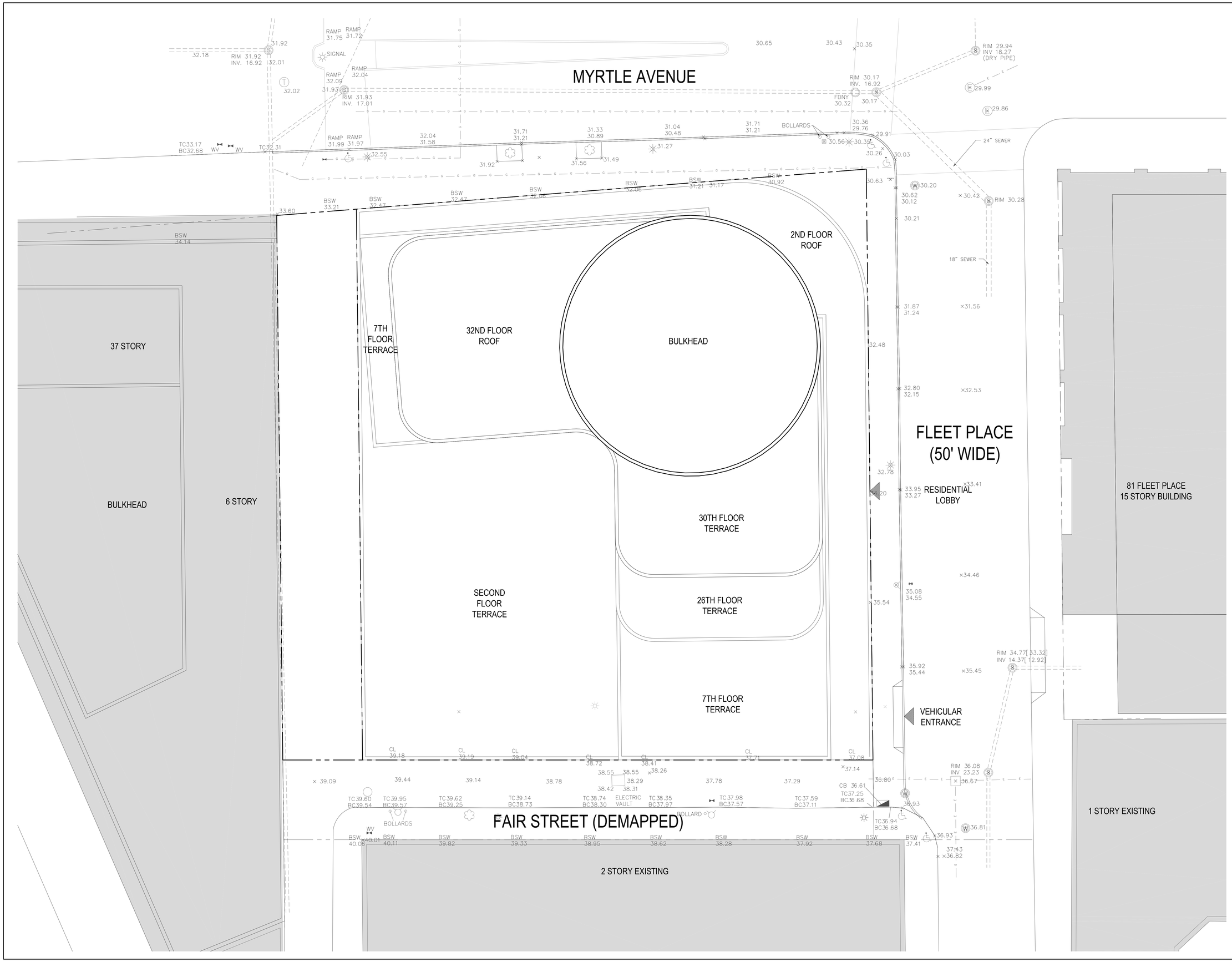
DWG NO. A-004.00



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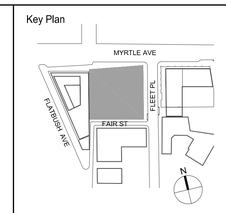

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PROJECT

86 FLEET PLACE

86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN#:

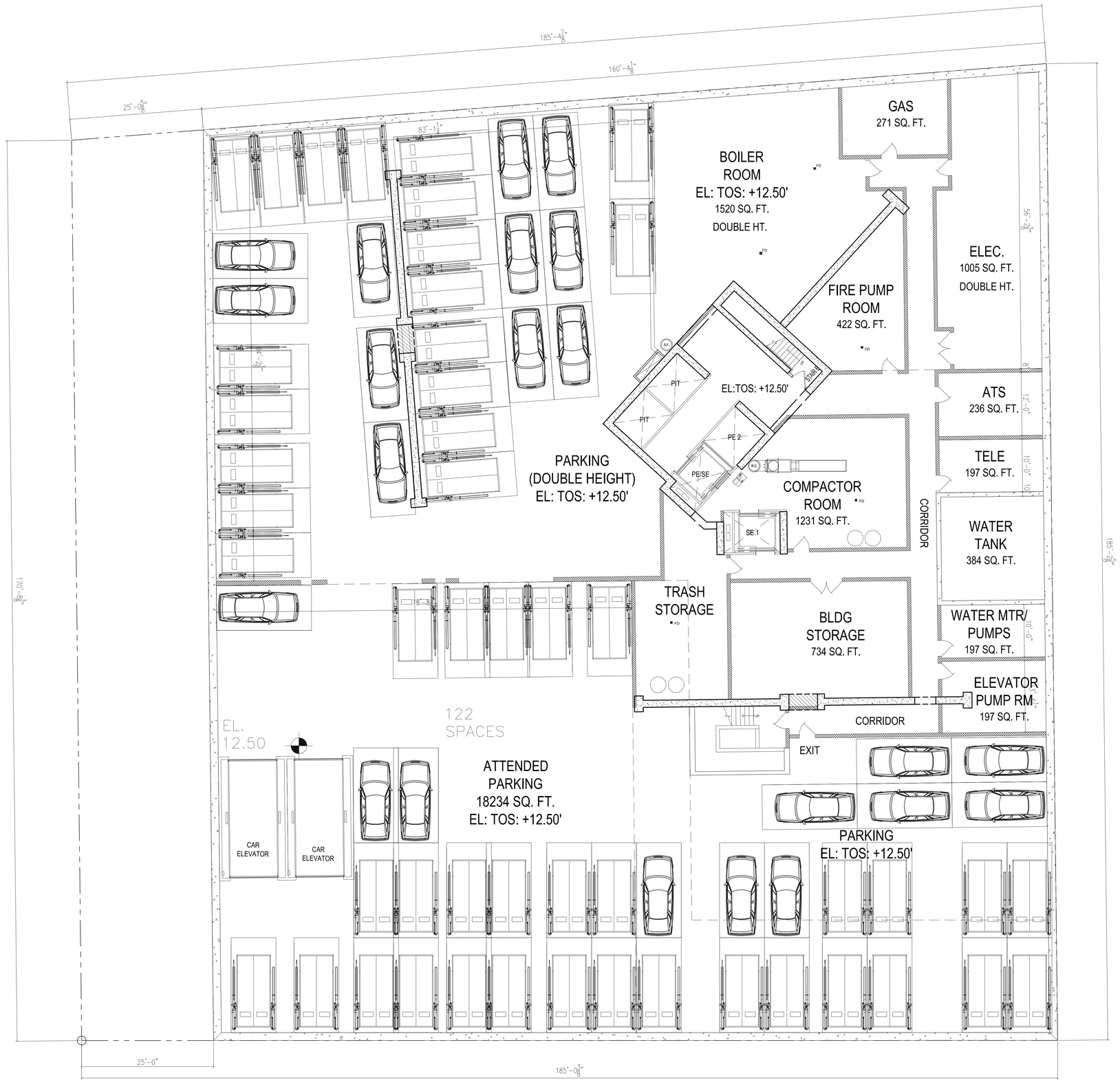
DOB STAMPS & SIGNATURES:

DWG TITLE

SITE
PLAN

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 3/32" = 1'-0"
DWG NO. A-100.00

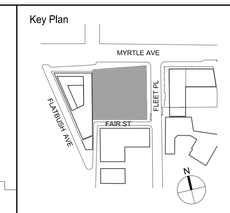


FLEET PLACE

81 FLEET
ELECTRIC VAULT
LOCATIONS

81 FLEET

Key Plan



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PROJECT

86 FLEET PLACE

86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

DOB STAMPS & SIGNATURES:

DWG TITLE

SUB CELLAR
FLOOR PLAN

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/8"-1'-0"
DWG NO. A-101.00

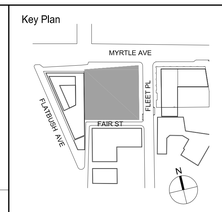
MYRTLE AVENUE

81 FLEET ELECTRIC VAULT LOCATIONS

81 FLEET

CELLAR GSF=

Key Plan



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PROJECT

86 FLEET PLACE
86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

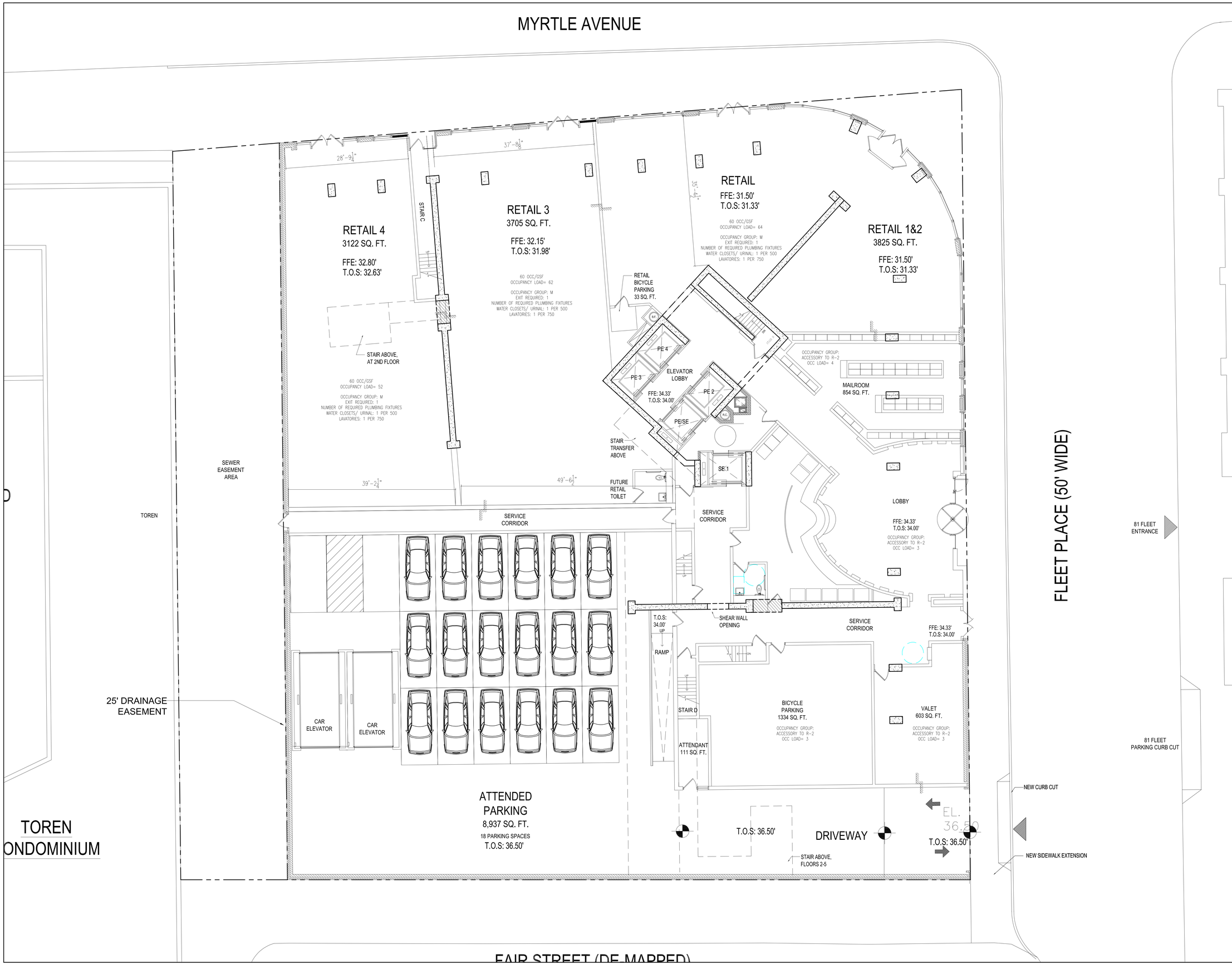
DOB STAMPS & SIGNATURES:

DWG TITLE

CELLAR FLOOR PLAN

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/8"-1'-0"
DWG NO. A-102.00



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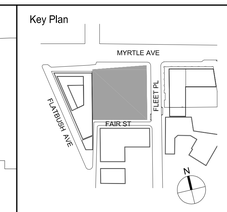

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PROJECT

86 FLEET PLACE

86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

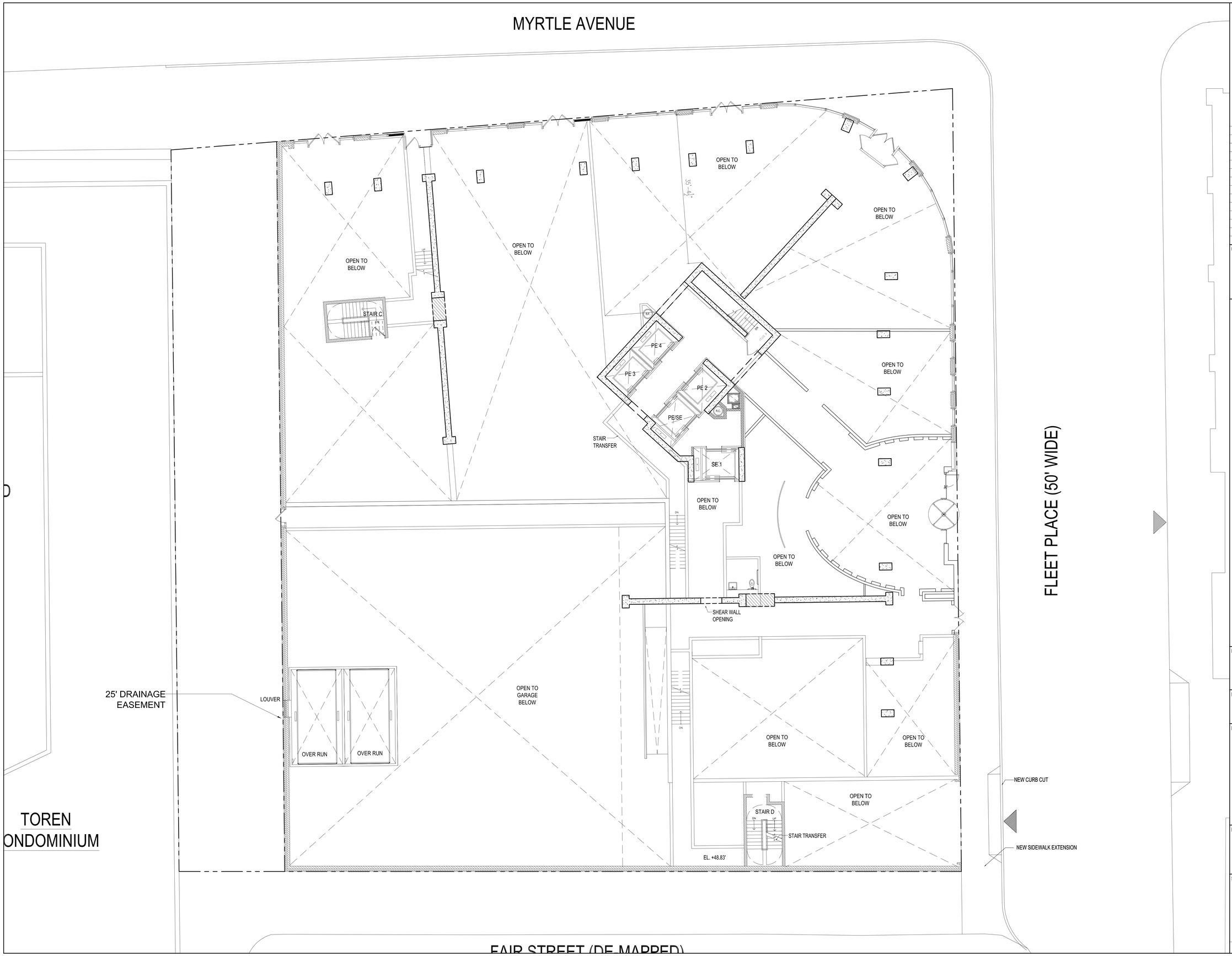
DOB STAMPS & SIGNATURES:

DWG TITLE

GROUND FLOOR PLAN

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/8"-1'-0"
DWG NO: A-103.00



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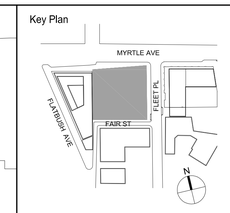

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PROJECT

86 FLEET PLACE
86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

DOB STAMPS & SIGNATURES:

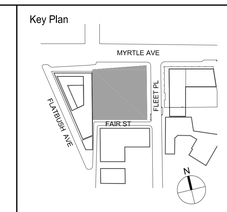
DWG TITLE

GROUND FLOOR
MEZZANINE PLAN
(STAIR TRANSFER)

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/8"-1'-0"
DWG NO. A-104.00

Key Plan



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PROJECT

86 FLEET PLACE

86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

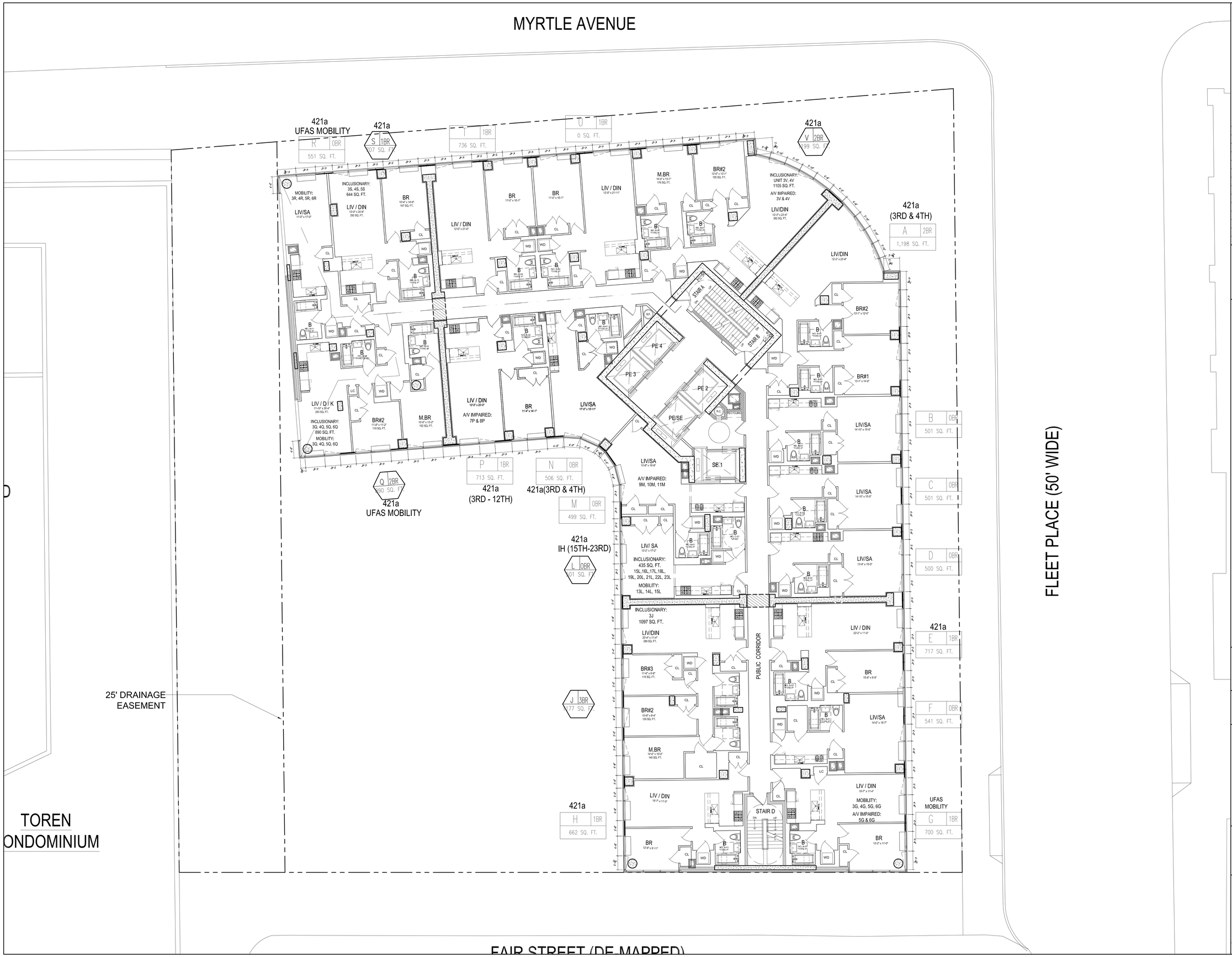
DOB STAMPS & SIGNATURES:

DWG TITLE

SECOND FLOOR PLAN

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/8"-1'-0"
DWG NO. A-105.00



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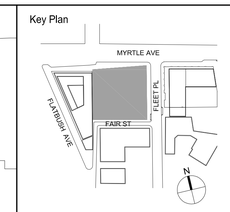

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PROJECT

86 FLEET PLACE
86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

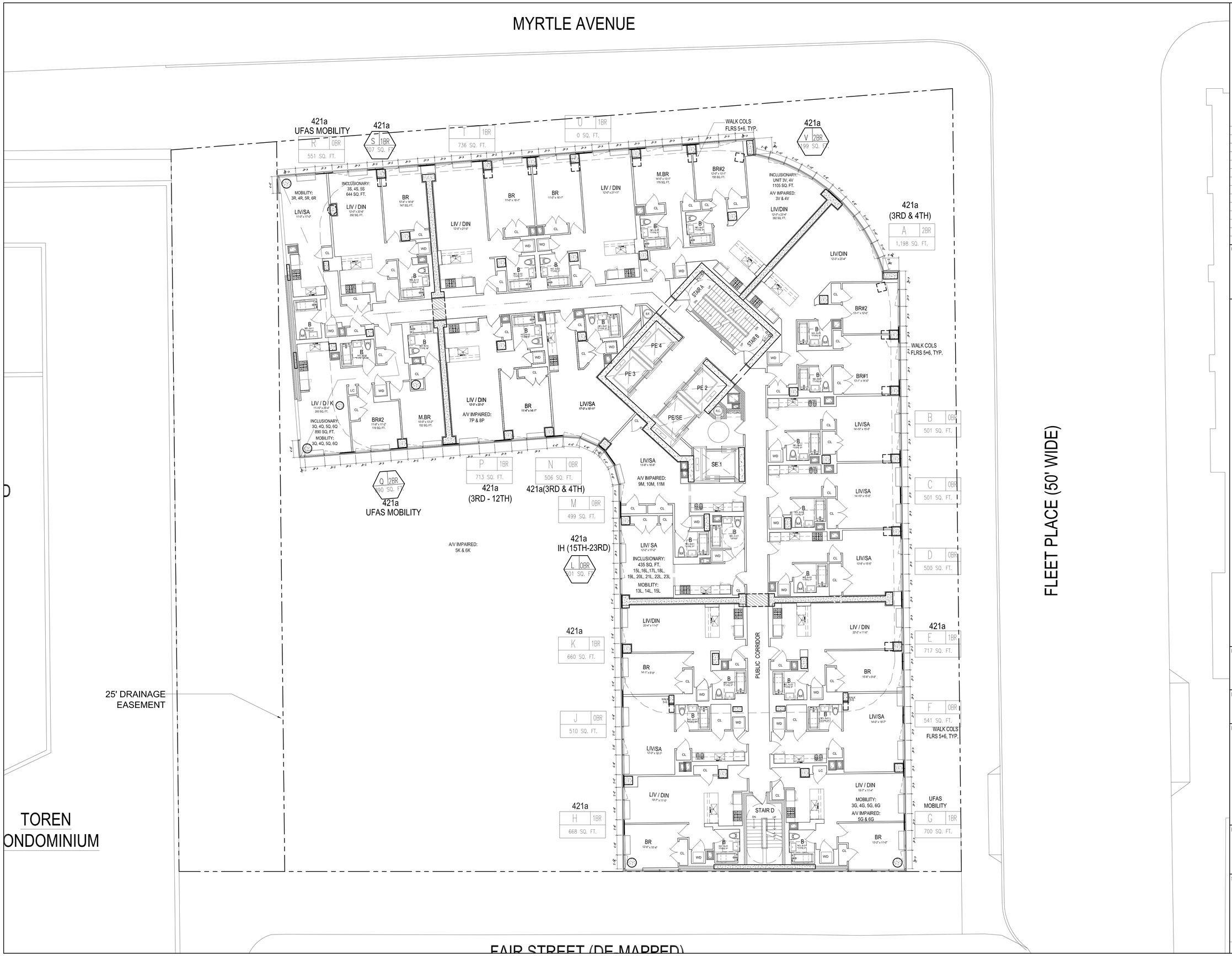
DOB STAMPS & SIGNATURES:

DWG TITLE

3RD
FLOOR PLAN

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/8"-1'-0"
DWG NO. A-106.00



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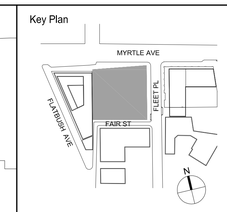

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PROJECT

86 FLEET PLACE
86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

DOB STAMPS & SIGNATURES:

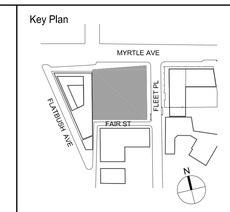
DWG TITLE

4TH-6TH FLOOR PLAN

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/8"-1'-0"
DWG NO. A-107.00

Key Plan



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PROJECT

86 FLEET PLACE
86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

DOB STAMPS & SIGNATURES:

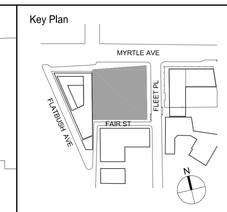
DWG TITLE

7TH-24TH FLOOR PLAN

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/8"-1'-0"
DWG NO. A-108.00

Key Plan



Number:	Date:	Revision:
	08/06/14	HPD SUBMISSION
	07/11/14	SCHEMATIC DESIGN- EASEMENT REV
	06/20/14	SCHEMATIC DESIGN

CLIENT

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PROJECT

86 FLEET PLACE

86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

DOB STAMPS & SIGNATURES:

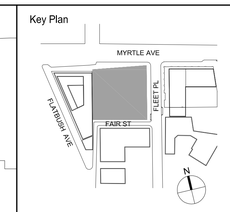
DWG TITLE

25TH
FLOOR PLAN

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/8"-1'-0"
DWG NO. A-109.00

Key Plan



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PROJECT

86 FLEET PLACE
86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

DOB STAMPS & SIGNATURES:

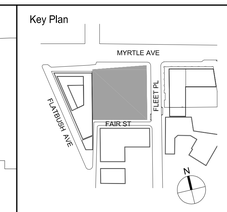
DWG TITLE

26TH-30TH FLOOR PLAN

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/8"-1'-0"
DWG NO. A-110.00

Key Plan



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PROJECT

86 FLEET PLACE
86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

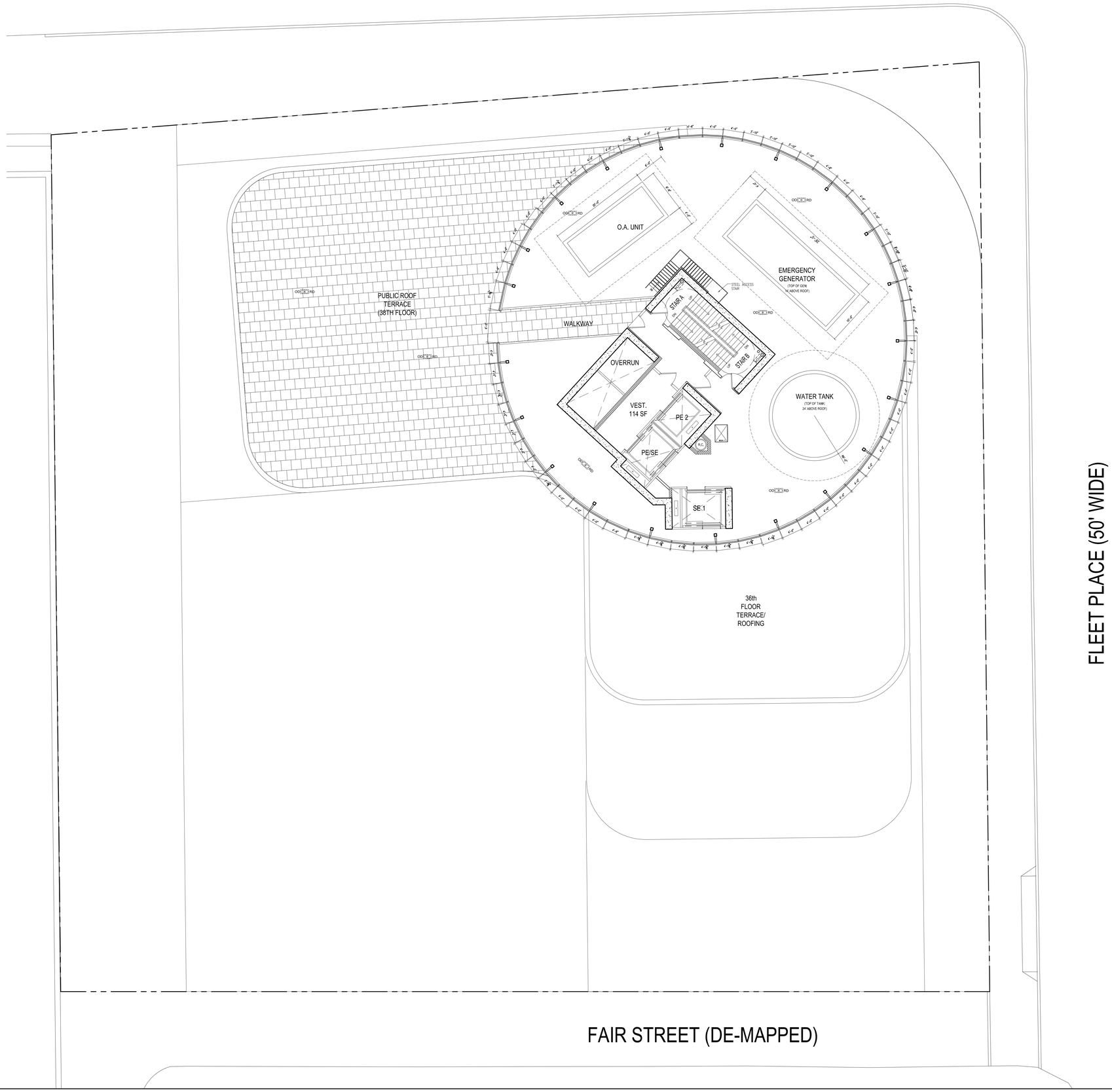
DOB STAMPS & SIGNATURES:

DWG TITLE

31ST-32ND FLOOR PLAN

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/8"-1'-0"
DWG NO. A-111.00



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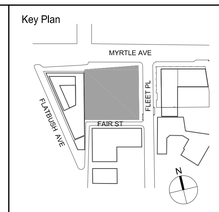

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PROJECT

86 FLEET PLACE

86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

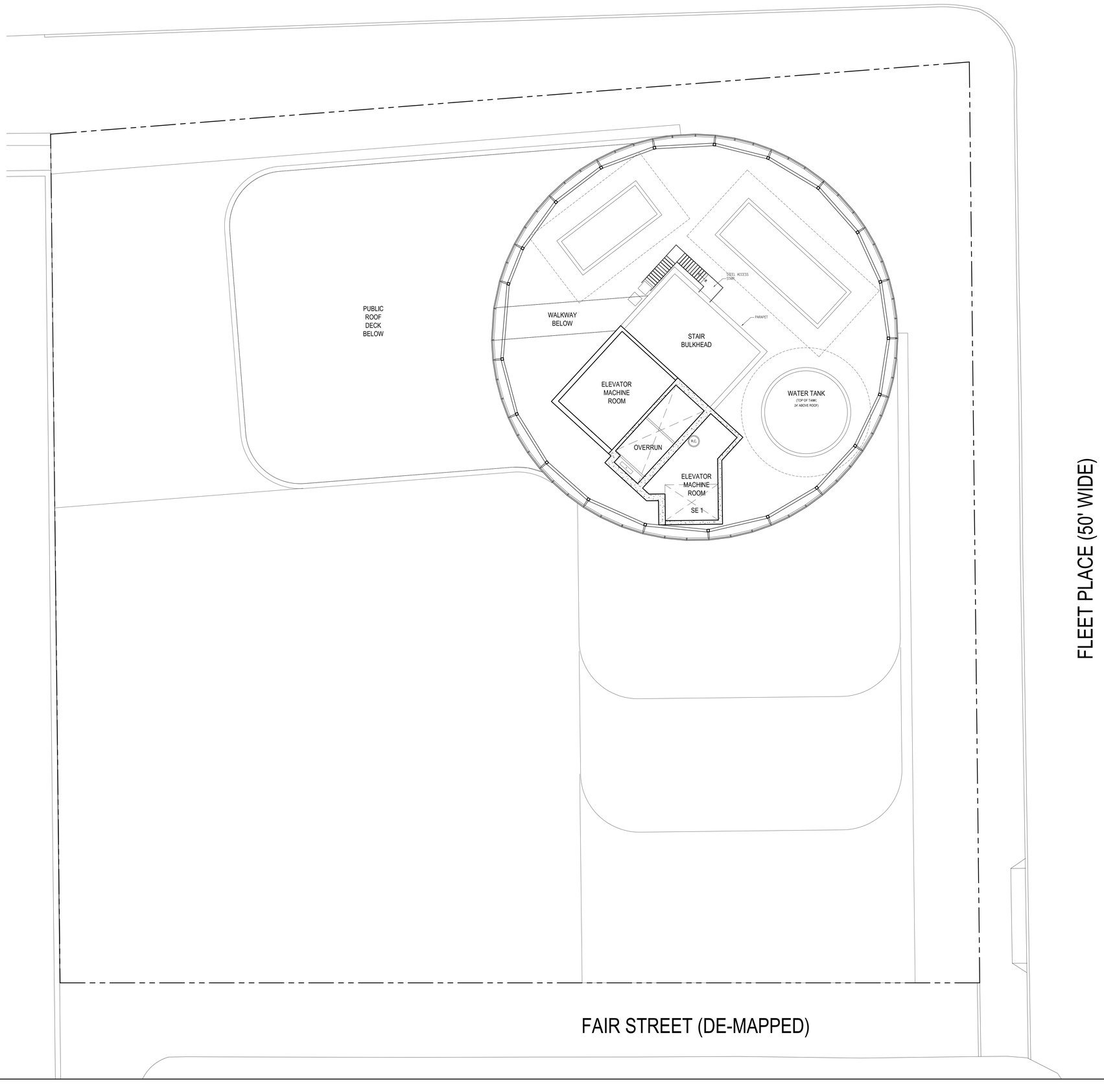
DOB STAMPS & SIGNATURES:

DWG TITLE

33RD FLOOR/
ROOF PLAN

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/8"-1'-0"
DWG NO. A-112.00



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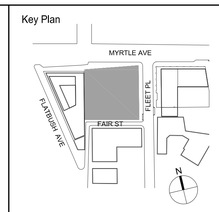

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PROJECT

86 FLEET PLACE

86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

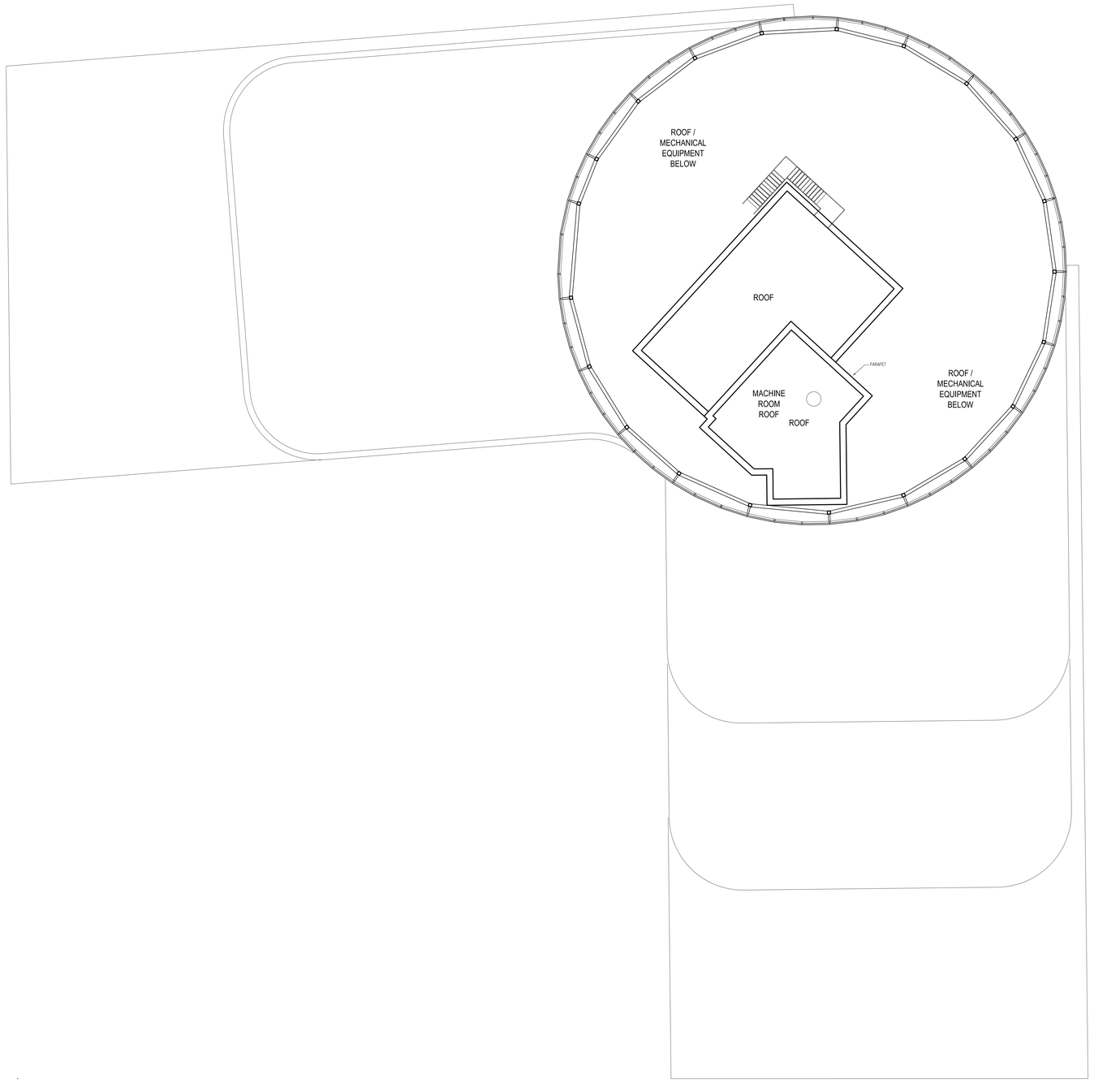
DOB STAMPS & SIGNATURES:

DWG TITLE

BULKHEAD/MACHINE ROOM PLAN

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/8"-1'-0"
DWG NO: A-113.00



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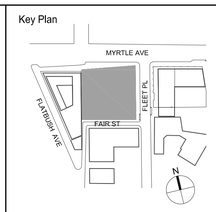

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PROJECT

86 FLEET PLACE

86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

DOB STAMPS & SIGNATURES:

DWG TITLE

MACHINE ROOM
ROOF PLAN

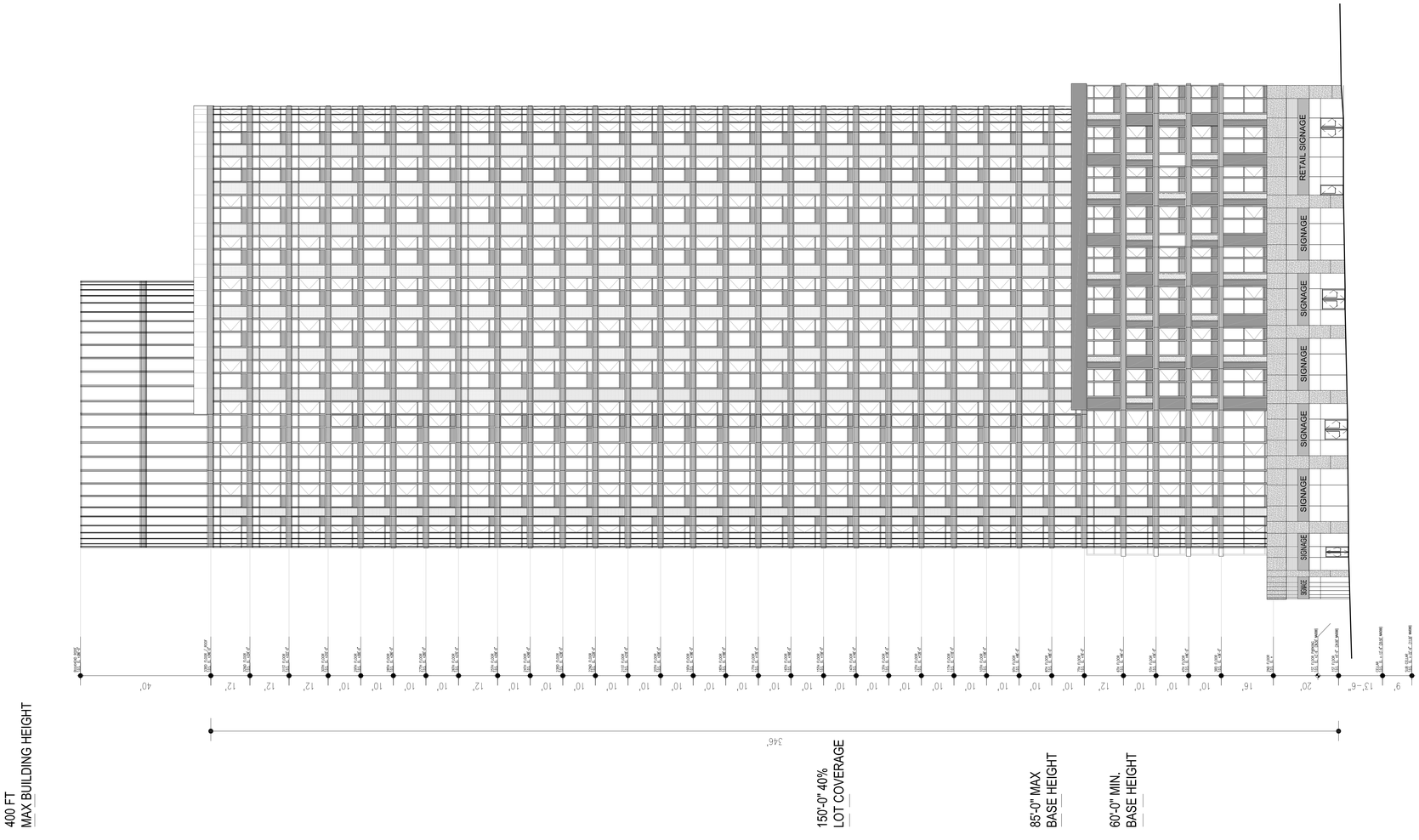
SEAL & SIGNATURE:

DATE: 8/6/14

PROJECT #: 14A01

SCALE: 1/8"-1'-0"

DWG NO. A-114.00



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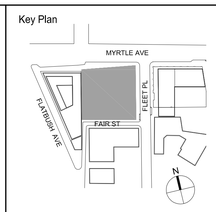

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PROJECT

86 FLEET PLACE

86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

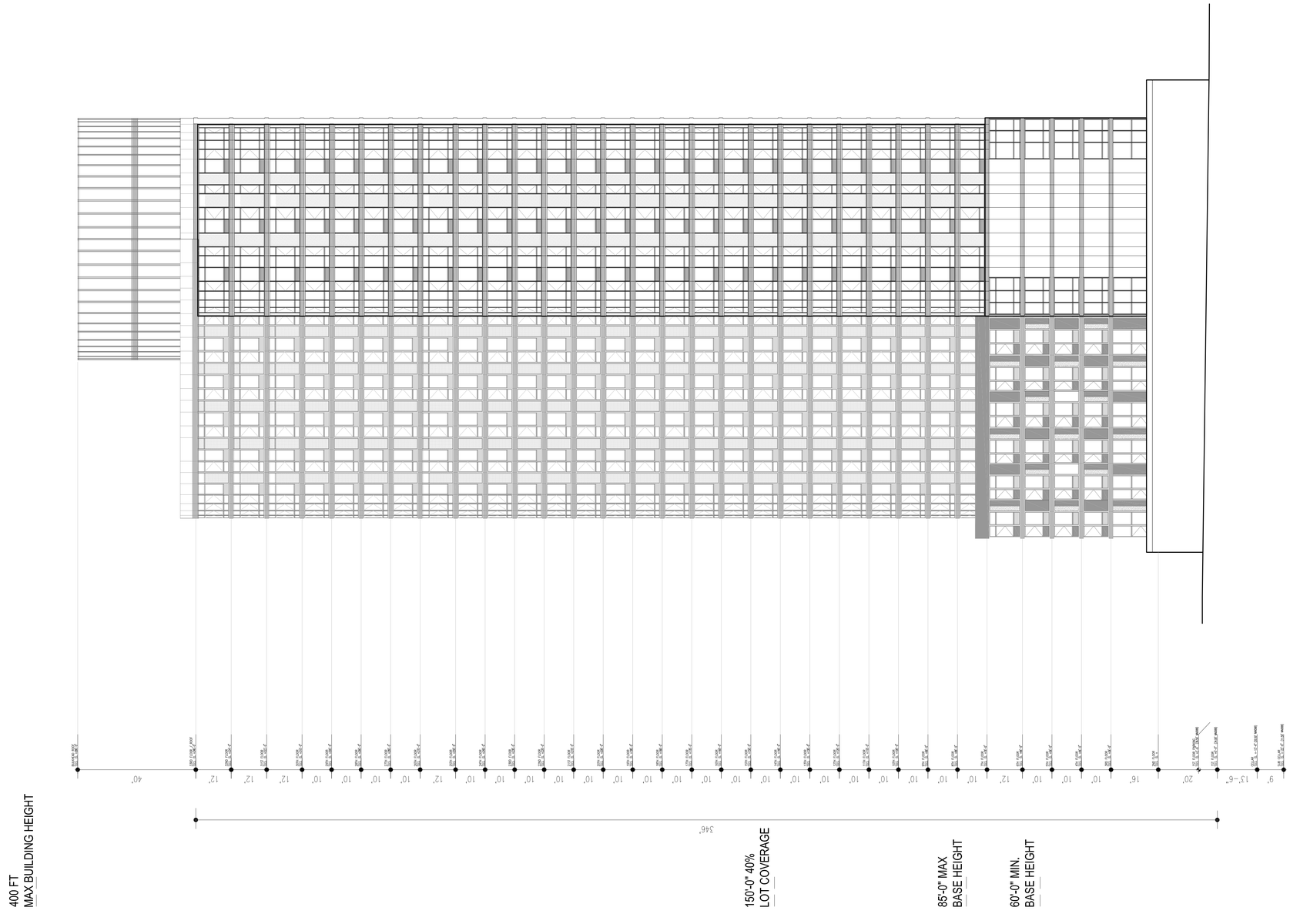
DOB STAMPS & SIGNATURES:

DWG TITLE

NORTH
ELEVATION

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/16"-1'-0"
DWG NO. A-300.00



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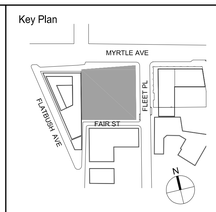

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PROJECT

86 FLEET PLACE

86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

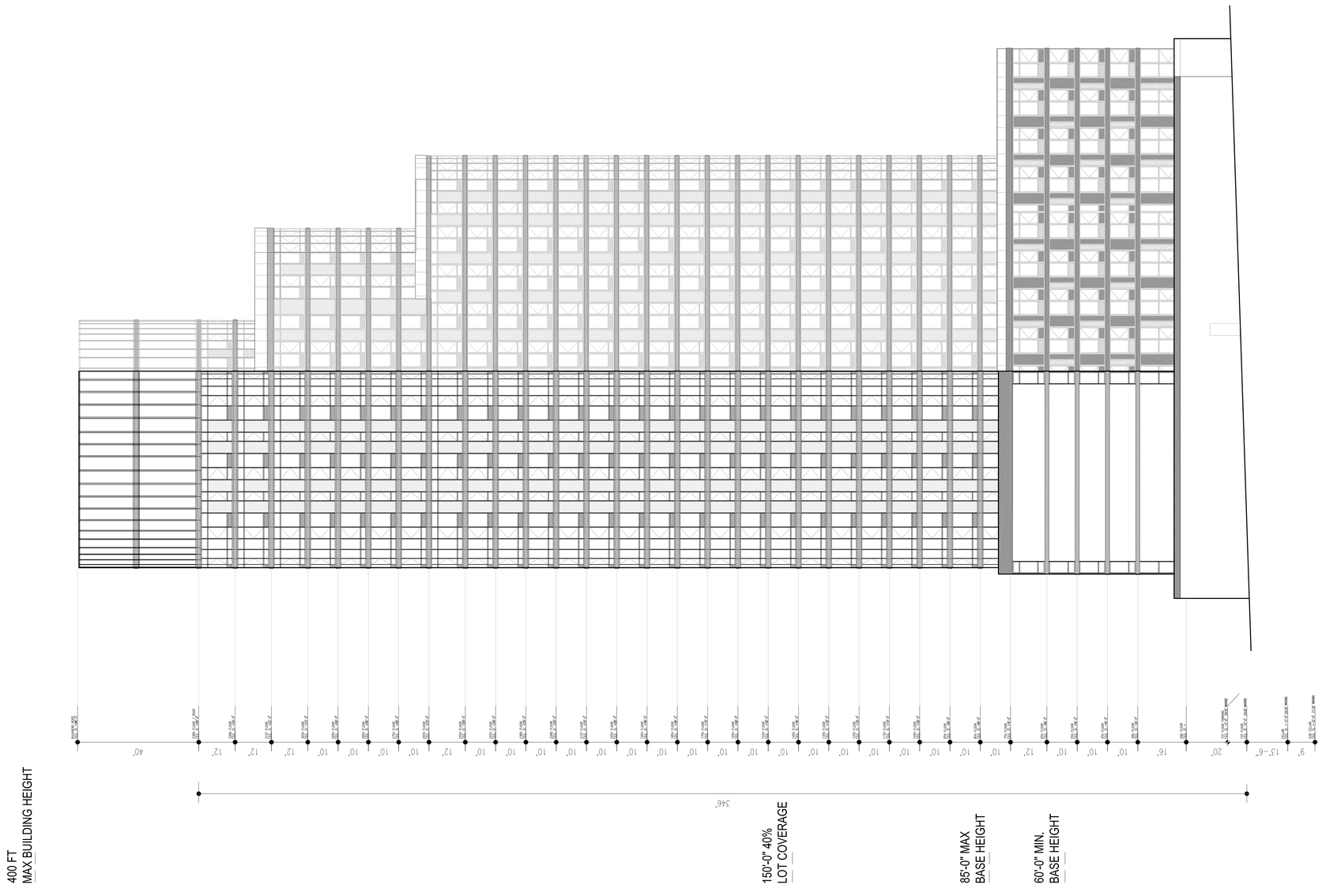
DOB STAMPS & SIGNATURES:

DWG TITLE

SOUTH
ELEVATION

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/16"-1'-0"
DWG NO. A-302.00



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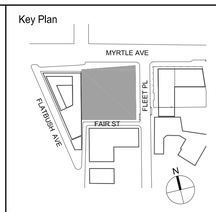

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BROOKLYN, NY 11201

DOB BSCAN:

DOB STAMPS & SIGNATURES:

DWG TITLE

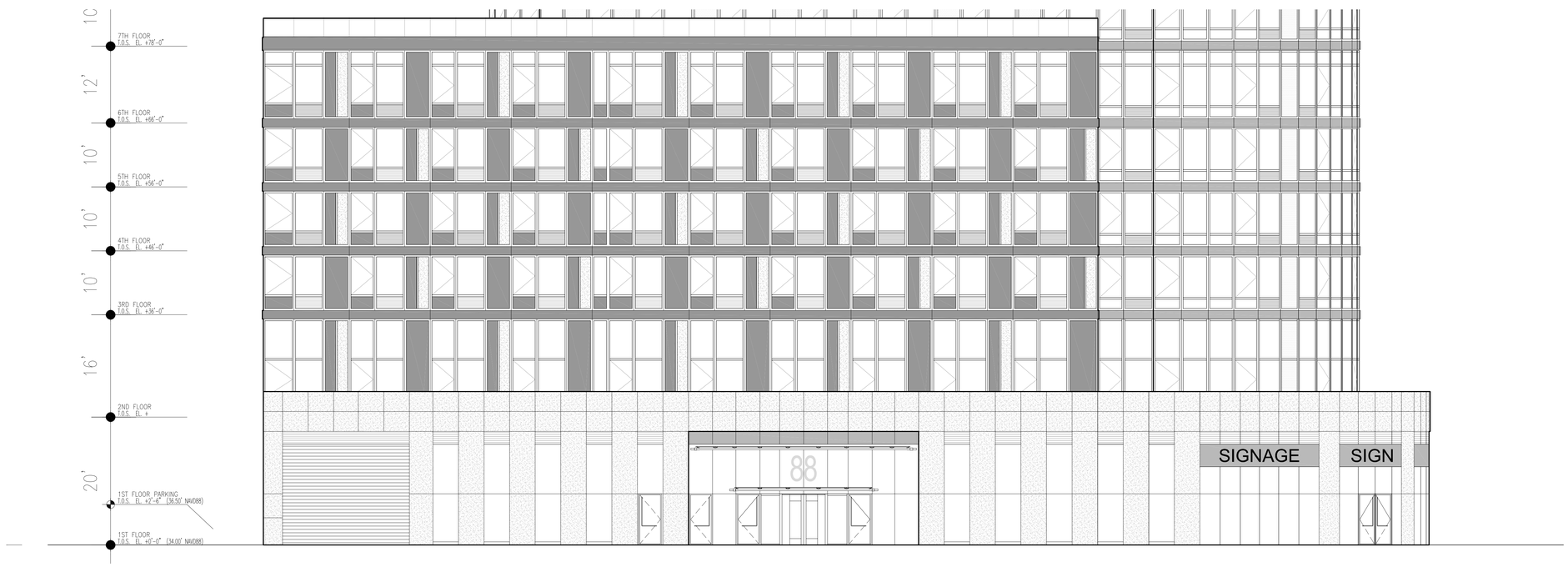
WEST
ELEVATION

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/16"-1'-0"
DWG NO. A-303.00

1 NORTH ELEVATION– BASE

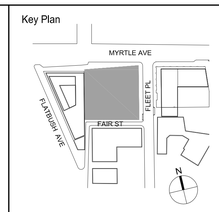
1/8"= 1'-0"



2 EAST ELEVATION– BASE

1/8"= 1'-0"

Key Plan



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PROJECT

86 FLEET PLACE

86 FLEET PLACE & MYRTLE AVENUE
BROOKLYN, NY 11201

DOB BSCAN:

DOB STAMPS & SIGNATURES:

DWG TITLE

BASE
ELEVATIONS

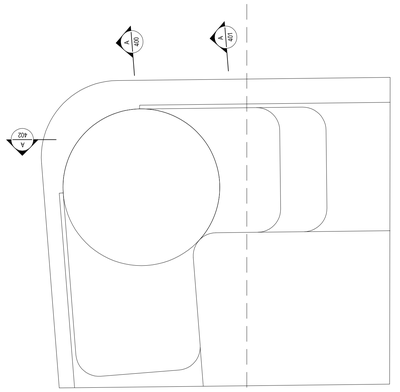
SEAL & SIGNATURE:

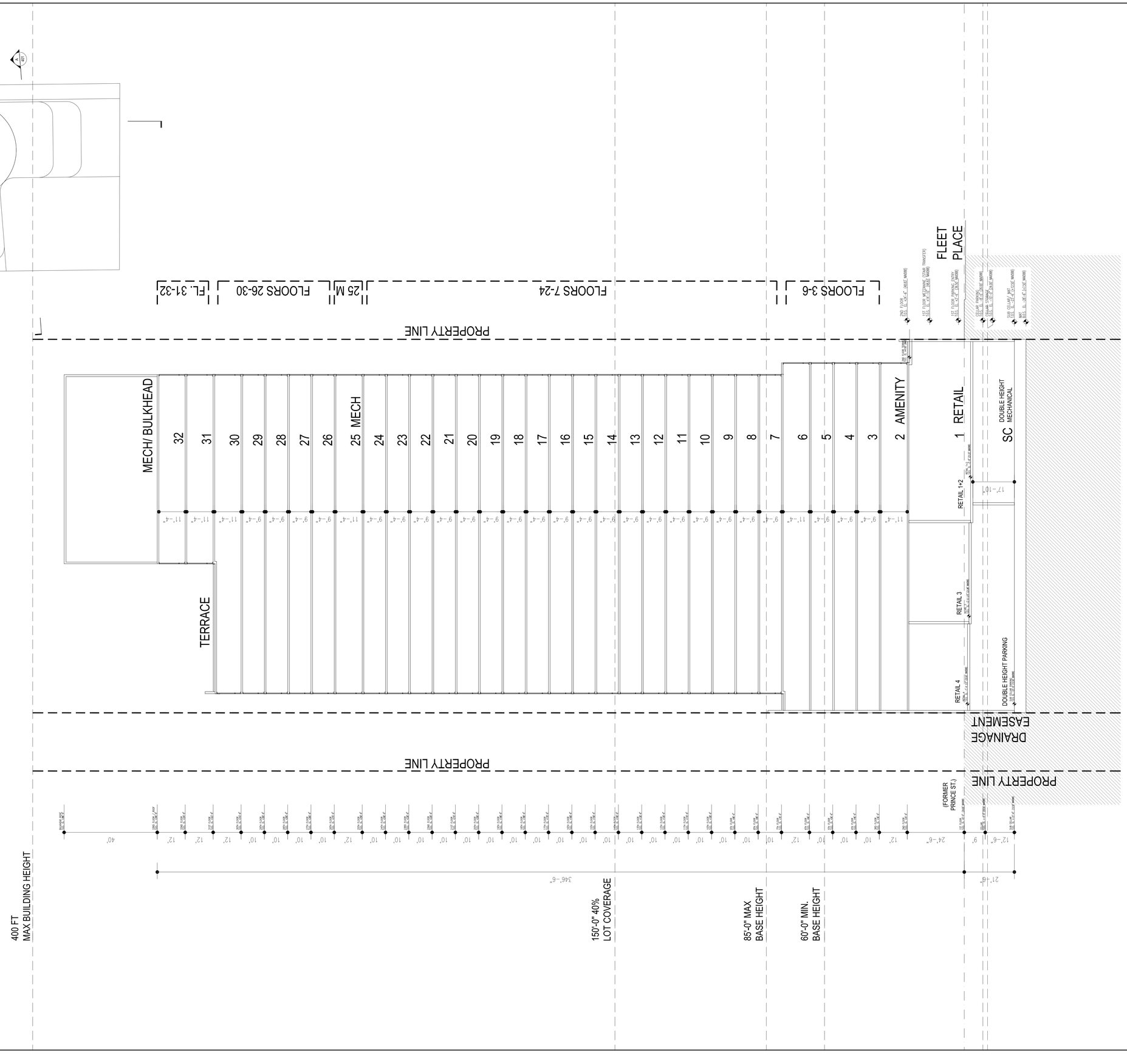
DATE: 8/6/14

PROJECT #: 14A01

SCALE: 1/8"-1'-0"

DWG NO. A-304.00





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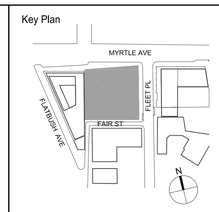

Number:	Date:	Revision:
	08/06/14	HPD SUBMISSION
	07/11/14	SCHEMATIC DESIGN- EASEMENT REV
	06/20/14	SCHEMATIC DESIGN

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86 FLEET PLACE
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BROOKLYN, NY 11201

DOB BSCAN:

DOB STAMPS & SIGNATURES:

DWG TITLE

EAST-WEST BUILDING SECTION

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/16"-1'-0"
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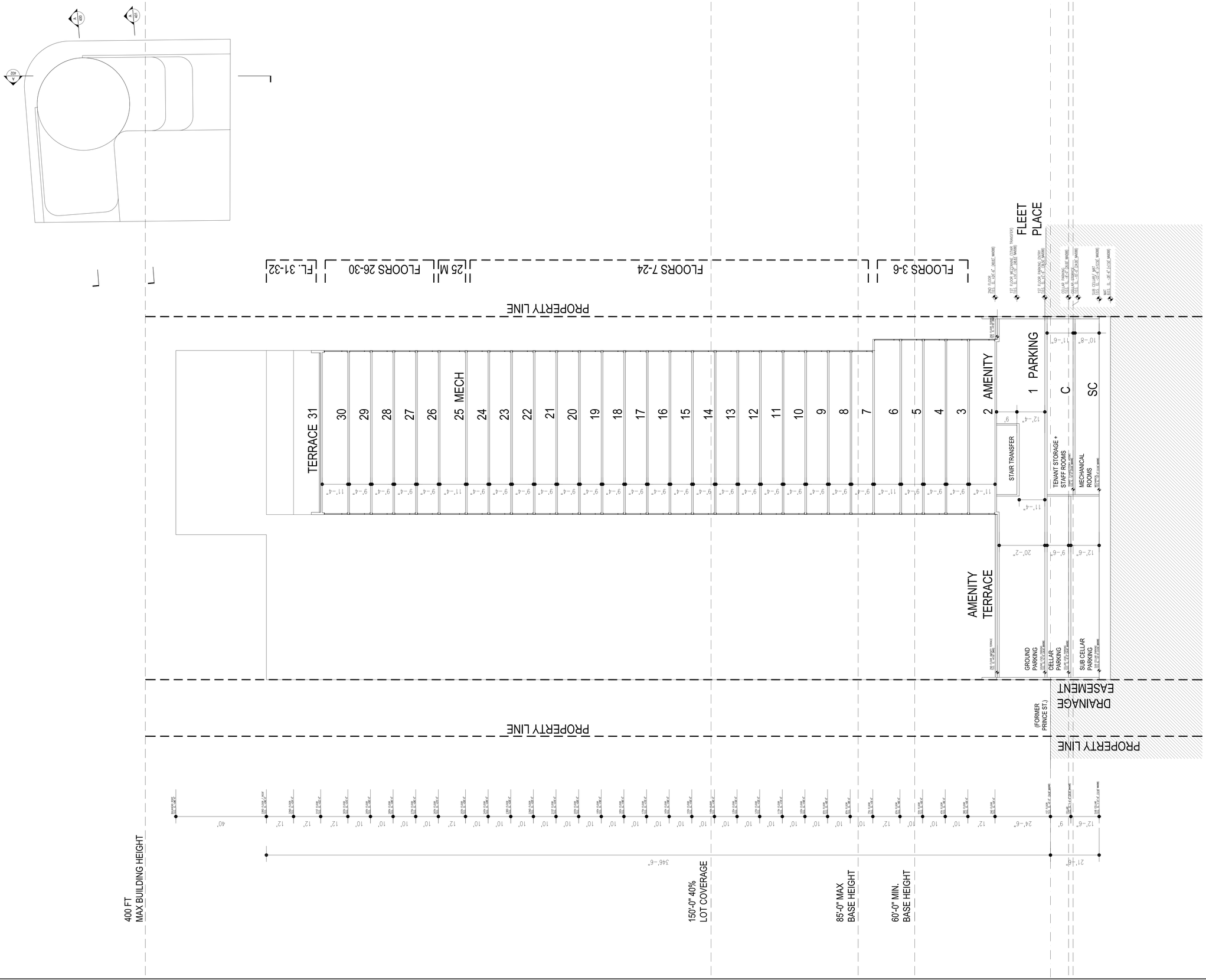

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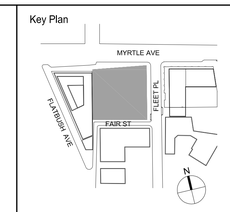

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BROOKLYN, NY 11201

DOB BSCAN:

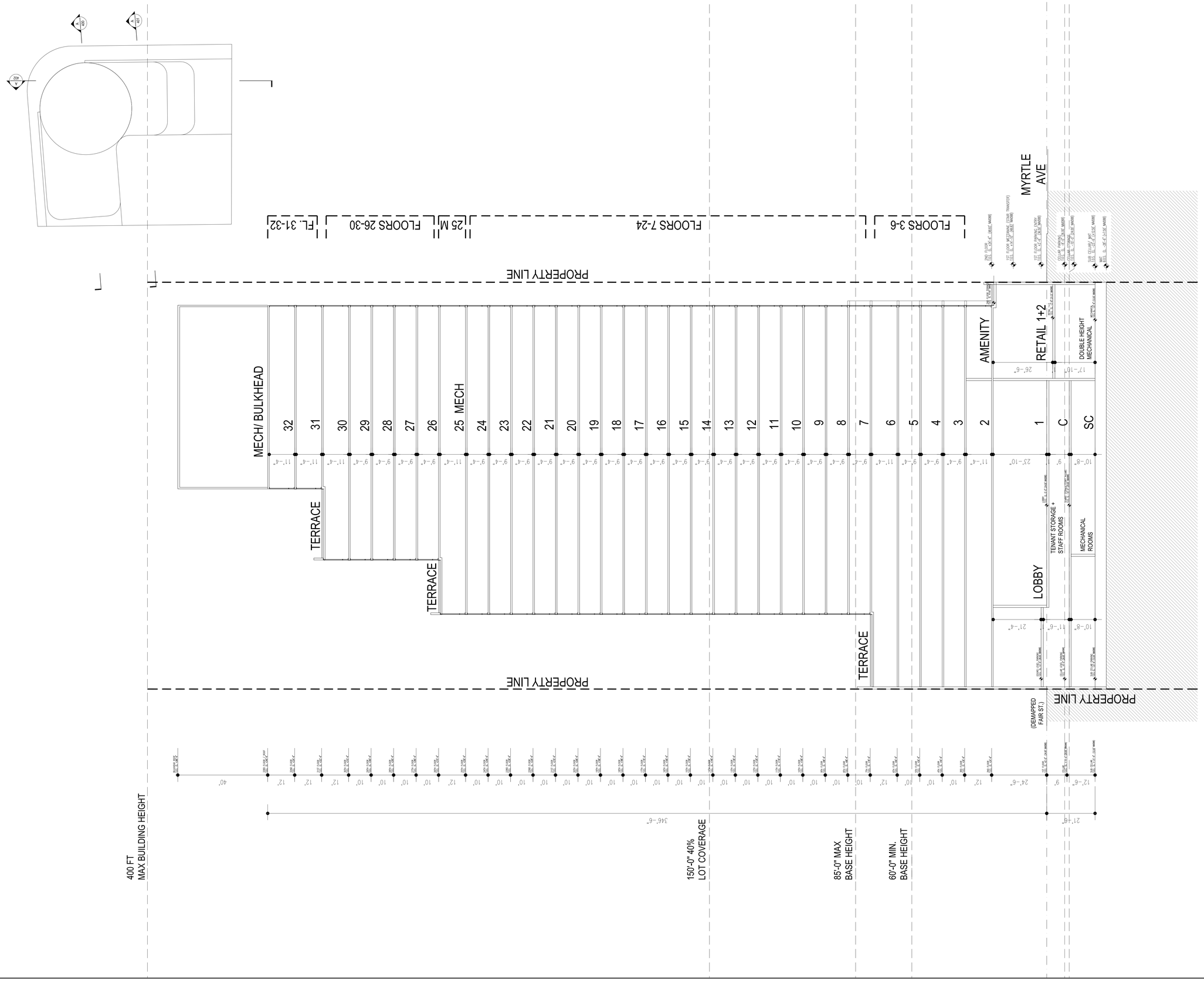
DOB STAMPS & SIGNATURES:

DWG TITLE

EAST-WEST BUILDING SECTION

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/16"-1'-0"
DWG NO. A-401.00



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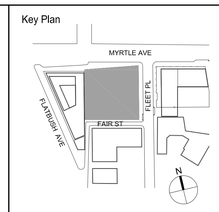

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BROOKLYN, NY 11201

DOB BSCAN:

DOB STAMPS & SIGNATURES:

DWG TITLE

NORTH-SOUTH BUILDING SECTION

SEAL & SIGNATURE:

DATE: 8/6/14
PROJECT #: 14A01
SCALE: 1/16"-1'-0"
DWG NO. A-402.00

APPENDIX B

APPENDIX B

SOIL/MATERIALS MANAGEMENT PLAN

1.1 SOIL SCREENING METHODS

Visual, olfactory and PID soil screening and assessment will be performed under the supervision of a Qualified Environmental Professional and will be reported in the RAR. Soil screening will be performed during invasive work performed during the remedy and development phases prior to issuance of the Notice of Completion.

1.2 STOCKPILE METHODS

Excavated soil from suspected areas of contamination (e.g., hazardous lead hotspot, USTs, drains, etc.) will be stockpiled separately and will be segregated from clean soil and construction materials. Stockpiles will be used only when necessary and will be removed as soon as practicable. While stockpiles are in place, they will be inspected daily, and before and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by OER. Excavated soils will be stockpiled on, at minimum, double layers of 8-mil minimum sheeting, will be kept covered at all times with appropriately anchored plastic tarps, and will be routinely inspected. Broken or ripped tarps will be promptly replaced.

All stockpile activities will be compliant with applicable laws and regulations. Soil stockpile areas will be appropriately graded to control run-off in accordance with applicable laws and regulations. Stockpiles of excavated soils and other materials shall be located at least of 50 feet from the property boundaries, where possible. Hay bales or equivalent will surround soil stockpiles except for areas where access by equipment is required. Silt fencing and hay bales will be used as needed near catch basins, surface waters and other discharge points.

1.3 CHARACTERIZATION OF EXCAVATED MATERIALS

Soil/fill or other excavated media that is transported off-site for disposal will be sampled in a manner required by the receiving facility, and in compliance with applicable laws and regulations. Soils proposed for reuse on-site will be managed as defined in this plan.

1.4 MATERIALS EXCAVATION, LOAD-OUT AND DEPARTURE

The PE/QEP overseeing the remedial action will:

- oversee remedial work and the excavation and load-out of excavated material;
- ensure that there is a party responsible for the safe execution of invasive and other work performed under this work plan;
- ensure that site development activities and development-related grading cuts will not interfere with, or otherwise impair or compromise the remedial activities proposed in this RAWP;
- ensure that the presence of utilities and easements on the site has been investigated and that any identified risks from work proposed under this plan are properly addressed by appropriate parties;
- ensure that all loaded outbound trucks are inspected and cleaned if necessary before leaving the site;
- ensure that all egress points for truck and equipment transport from the site will be kept clean of Site-derived materials during site remediation.

Locations where vehicles exit the Site shall be inspected daily for evidence of soil tracking off premises. Cleaning of the adjacent streets will be performed as needed to maintain a clean condition with respect to site-derived materials.

Open and uncontrolled mechanical processing of historical fill and contaminated soil on-Site will not be performed without prior OER approval.

1.5 OFF-SITE MATERIALS TRANSPORT

Loaded vehicles leaving the site will comply with all applicable materials transportation requirements (including appropriate covering, manifests, and placards) in accordance with applicable laws and regulations, including use of licensed haulers in accordance with 6 NYCRR Part 364. If loads contain wet material capable of causing leakage from trucks, truck liners will be used. Queuing of trucks will be performed on-site, when possible in order to minimize off-site disturbance. Off-site queuing will be minimized.

Outbound truck transport routes are depicted on Figure 7. This routing takes into account the following factors: (a) limiting transport through residential areas and past sensitive sites; (b) use of mapped truck routes; (c) minimizing off-site queuing of trucks entering the facility; (d) limiting total distance to major highways; (e) promoting safety in access to highways; and (f) overall safety in transport. To the extent possible, all trucks loaded with site materials will travel from the site using these truck routes. Trucks will not stop or idle in the neighborhood after leaving the project site.

1.6 MATERIALS DISPOSAL OFF-SITE

The following documentation will be established and reported by the PE/QEP for each disposal destination used in this project to document that the disposal of regulated material exported from the site conforms with applicable laws and regulations: (1) a letter from the PE/QEP or Enrollee to each disposal facility describing the material to be disposed and requesting written acceptance of the material. This letter will state that material to be disposed is regulated material generated at an environmental remediation site in Brooklyn, New York under a governmental remediation program. The letter will provide the project identity and the name and phone number of the PE/QEP or Enrollee. The letter will include as an attachment a summary of all chemical data for the material being transported; and (2) a letter from each disposal facility stating it is in receipt of the correspondence (1, above) and is approved to accept the material. These documents will be included in the RAR.

The RAR will include an itemized account of the destination of all material removed from the site during this remedial action. Documentation associated with disposal of all material will include records and approvals for receipt of the material. This information will be presented in the RAR.

All impacted soil/fill or other waste excavated and removed from the site will be managed as regulated material and will be disposed in accordance with applicable laws and regulations. Historic fill, contaminated, and hazardous soils taken off-site will be handled as solid waste and will not be disposed at a Part 360-16 Registration Facility (also known as a Soil Recycling Facility).

Waste characterization will be performed for off-site disposal in a manner required by the receiving facility and in conformance with its applicable permits. Waste characterization sampling and analytical methods, sampling frequency, analytical results and QA/QC will be reported in the RAR. A manifest system for off-site transportation of exported materials will be employed. Manifest information will be reported in the RAR. Hazardous wastes derived from on-site will be stored, transported, and disposed of in compliance with applicable laws and regulations.

1.7 MATERIALS REUSE ON-SITE

Soil and fill that is derived from the property that meets the soil cleanup objectives established in this plan may be reused on-site. 'Reuse on-site' means material that is excavated during the remedy or development, does not leave the property, and is relocated within the same property and on comparable soil/fill material, and addressed pursuant to the NYC VCP agreement subject to Engineering and Institutional Controls. The PE/QEP will ensure that reused materials are segregated from other materials to be exported from the site and that procedures defined for material reuse in this RAWP are followed.

Organic matter (wood, roots, stumps, etc.) or other waste derived from clearing and grubbing of the site will not be buried on-site. Soil or fill excavated from the site for grading or other purposes will not be reused within a cover soil layer or within landscaping berms.

1.8 DEMARCATION

After completion of hotspot removal and any other invasive remedial activities, and prior to backfilling, the top of the residual soil/fill will be defined by one of three methods: (1) placement of a demarcation layer. The demarcation layer will consist of geosynthetic fencing or equivalent material to be placed on the surface of residual soil/fill to provide an observable reference layer. A description or map of the approximate depth of the demarcation layer will be provided in the SMP; or (2) a land survey of the top elevation of residual soil/fill before the placement of cover soils, pavement and associated sub-soils, or other materials or structures or, (3) all materials beneath the approved cover will be considered impacted and subject to site management after the remedy is complete. Demarcation may be established by one or any combination of these three

methods. As appropriate, a map showing the method of demarcation for the site and all associated documentation will be presented in the RAR.

This demarcation will constitute the top of the site management horizon. Materials within this horizon require adherence to special conditions during future invasive activities as defined in the Site Management Plan (SMP).

1.9 IMPORT OF BACKFILL SOIL FROM OFF-SITE SOURCES

This Section presents the requirements for imported fill materials to be used below the cover layer and within the clean soil cover layer. All imported soils will meet OER-approved backfill and cover soil quality objectives for this site. The backfill and cover soil quality objectives are NYSDEC 6 NYCRR Part 375 Unrestricted Use SCOs.

A process will be established to evaluate sources of backfill and cover soil to be imported to the site, and will include an examination of source location, current and historical use(s), and any applicable documentation. Material from industrial sites, spill sites, environmental remediation sites or other potentially contaminated sites will not be imported to the site.

The following potential sources may be used pending attainment of backfill and cover soil quality objectives:

- Clean soil from construction projects at non-industrial sites in compliance with applicable laws and regulations;
- Clean soil from roadway or other transportation-related projects in compliance with applicable laws and regulations;
- Clean recycled concrete aggregate (RCA) from facilities permitted or registered by the regulations of NYSDEC.

All materials received for import to the site will be approved by a PE/QEP and will be in compliance with provisions in this RAWP. The RAR will report the source of the fill, evidence that an inspection was performed on the source, chemical sampling results, frequency of testing, and a site map indicating the locations where backfill or soil cover was placed.

Source Screening and Testing

Inspection of imported fill material will include visual, olfactory and PID screening for evidence of contamination. Materials imported to the site will be subject to inspection, as follows:

- Trucks with imported fill material will be in compliance with applicable laws and regulations and will enter the site at designated locations;
- The PE/QEP is responsible to ensure that every truck load of imported material is inspected for evidence of contamination; and
- Fill material will be free of solid waste including pavement materials, debris, stumps, roots, and other organic matter, as well as ashes, oil, perishables or foreign matter.

Composite samples of imported material will be taken at a minimum frequency of one sample for every 500 cubic yards of material. Once it is determined that the fill material meets imported backfill or cover soil chemical requirements and is non-hazardous, and lacks petroleum contamination, the material will be loaded onto trucks for delivery to the site.

Recycled concrete aggregate (RCA) will be imported from facilities permitted or registered by NYSDEC. Facilities will be identified in the RAR. A PE/QEP is responsible to ensure that the facility is compliant with 6NYCRR Part 360 registration and permitting requirements for the period of acquisition of RCA. RCA imported from compliant facilities will not require additional testing, unless required by NYSDEC under its terms for operation of the facility. RCA imported to the site must be derived from recognizable and uncontaminated concrete. RCA material is not acceptable for, and will not be used as cover material.

1.10 FLUIDS MANAGEMENT

All liquids to be removed from the site, including dewatering fluids, will be handled, transported and disposed in accordance with applicable laws and regulations. Liquids discharged into the New York City sewer system will receive prior approval by New York City Department of Environmental Protection (NYCDEP). The NYCDEP regulates discharges to the New York City sewers under Title 15, Rules of the City of New York Chapter 19. Discharge to the New York City sewer system will require an authorization and sampling data demonstrating that the

groundwater meets the City's discharge criteria. The dewatering fluid will be pretreated as necessary to meet the NYC DEP discharge criteria. If discharge to the City sewer system is not appropriate, the dewatering fluids will be managed by transportation and disposal at an off-site treatment facility.

Discharge of water generated during remedial construction to surface waters (i.e. a stream or river) is prohibited without a SPDES permit issued by New York State Department of Environmental Conservation.

1.11 STORM-WATER POLLUTION PREVENTION

Applicable laws and regulations pertaining to storm-water pollution prevention will be addressed during the remedial program. Erosion and sediment control measures identified in this RAWP (silt fences and barriers, and hay bale checks) will be installed around the entire perimeter of the remedial construction area and inspected once a week and after every storm event to ensure that they are operating appropriately. Discharge locations will be inspected to determine whether erosion control measures are effective in preventing significant impacts to receptors. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by OER. All necessary repairs shall be made immediately. Accumulated sediments will be removed as required to keep the barrier and hay bale check functional. Undercutting or erosion of the silt fence toe anchor will be repaired immediately with appropriate backfill materials. Manufacturer's recommendations will be followed for replacing silt fencing damaged due to weathering.

1.12 CONTINGENCY PLAN

This contingency plan is developed for the remedial construction to address the discovery of unknown structures or contaminated media during excavation. Identification of unknown contamination source areas during invasive site work will be promptly communicated to OER's Project Manager. Petroleum spills will be reported to the NYSDEC Spill Hotline. These findings will be included in the daily report. If previously unidentified contaminant sources are found during on-site remedial excavation or development-related excavation, sampling will be performed on contaminated source material and surrounding soils and reported to OER.

Chemical analytical testing will be performed for TAL metals, TCL volatiles and semi-volatiles, TCL pesticides and PCBs, as appropriate.

1.13 ODOR, DUST AND NUISANCE CONTROL

Odor Control

All necessary means will be employed to prevent on- and off-site odor nuisances. At a minimum, procedures will include: (a) limiting the area of open excavations; (b) shrouding open excavations with tarps and other covers; and (c) use of foams to cover exposed odorous soils. If odors develop and cannot otherwise be controlled, additional means to eliminate odor nuisances will include: (d) direct load-out of soils to trucks for off-site disposal; and (e) use of chemical odorants in spray or misting systems.

This odor control plan is capable of controlling emissions of nuisance odors. If nuisance odors are identified, work will be halted and the source of odors will be identified and corrected. Work will not resume until all nuisance odors have been abated. OER will be notified of all odor complaint events. Implementation of all odor controls, including halt of work, will be the responsibility of the PE/QEP's certifying the Remedial Action Report.

Dust Control

Dust management during invasive on-site work will include, at a minimum:

- Use of a dedicated water spray methodology for roads, excavation areas and stockpiles.
- Use of properly anchored tarps to cover stockpiles.
- Exercise extra care during dry and high-wind periods.
- Use of gravel or recycled concrete aggregate on egress and other roadways to provide a clean and dust-free road surface.

This dust control plan is capable of controlling emissions of dust. If nuisance dust emissions are identified, work will be halted and the source of dusts will be identified and

corrected. Work will not resume until all nuisance dust emissions have been abated. OER will be notified of all dust complaint events. Implementation of all dust controls, including halt of work, will be the responsibility of the PE/QEP's responsible for certifying the Remedial Action Report.

Other Nuisances

Noise control will be exercised during the remedial program. All remedial work will conform, at a minimum, to NYC noise control standards.

Rodent control will be provided, during site clearing and grubbing, and during the remedial program, as necessary, to prevent nuisances.

APPENDIX C

Phase I Environmental Site Assessment
Block 2061 Lot 1
166-218 Myrtle Avenue
Brooklyn, New York 11201
AES Project No. 0130

Prepared By:

American Environmental Solutions, Inc.
100 Carleton Avenue
Central Islip, New York 11722

June, 2005

Prepared For:

BFC Real Estate & Construction
2226 First Avenue
New York, New York 10029

Attn: Mr. Daniel Doern

AMERICAN ENVIRONMENTAL SOLUTIONS INC.

AES

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Central Islip
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June 23, 2005

Mr. Daniel Doern
Vice President of Development
BFC Real Estate and Construction
2226 First Avenue
New York, New York 10029

RE: Phase I Environmental Site Assessment
Block 2061 Lot 1
166-218 Myrtle Avenue
Brooklyn, New York
AES Project No. 0130

Dear Mr. Doern:

American Environmental Solutions, Inc. (AES) is pleased to submit this Phase I Environmental Site Assessment report for the above referenced property (the site). The primary purpose of this assessment was to identify *recognized environmental conditions* in connection with the subject property. Recognized environmental conditions are defined as the presence or likely presence of hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or material threat of a release into structures on the property or into the ground, groundwater, or surface water of the property.

In conducting this assessment, AES followed the E1527-00 American Society for Testing and Materials (ASTM) document entitled "Standard Practices for Environmental Site Assessments: Phase I Environmental Site Assessment Process" for commercial real estate.

Please call me if you have any questions.

Very Truly Yours,

Brian T. Pendergast
President

TABLE OF CONTENTS

LETTER OF TRANSMITTAL ii

1.0 INTRODUCTION 1

2.0 PROJECT SUMMARY 3

3.0 PROPERTY DESCRIPTION 6

3.1 Site Reconnaissance 6

3.2 General Site Conditions 7

3.3 Site Improvements 7

3.3.1 Exterior Improvements 7

3.3.2 Building Description 7

3.3.3 Utilities 7

3.4 Tenant Operations 7

3.5 Environmental Setting 8

3.5.1 Topography 8

3.5.2 Surface Water and Wetlands 8

3.5.3 Subsurface Geologic Conditions 8

3.5.4 Groundwater Flow 8

4.0 HISTORICAL RECORDS REVIEW 10

4.1 Prior Ownership 10

4.2 Aerial Photography Review 10

4.3 Sanborn Fire Insurance Maps 11

4.4 Topographic Maps 12

4.5 Previous Environmental Investigations 13

5.0 REGULATORY AGENCY RECORDS SEARCH 14

5.1 Federal Regulatory Records 15

5.2 State Regulatory Records 16

5.3 Local Records 20

6.0 ON-SITE ENVIRONMENTAL ASSESSMENT 21

6.1 Storage Tanks 21

6.1.1 Underground Storage Tanks (USTs) 21

6.1.2 Aboveground Storage Tanks (ASTs) 21

6.2 Asbestos-Containing Materials (ACMs) 21

6.3 Lead Based Paint 21
6.4 Hazardous Materials 22
6.5 Solid Waste Management 22
6.6 Hazardous Waste Management 22
6.7 Polychlorinated Biphenyls (PCBs) Containing Equipment 22
6.8 Water and Wastewater/Storm Water 22
6.8.1 Water Supply 22
6.8.2 Wastewater 23
6.8.3 Storm Water 23
6.9 Surface Water and Wetlands 23
6.10 Radon 23
6.11 Air Emissions 23
6.12 Dry Cleaning Operations 24
6.13 Site Specific Environmental Issues 24
7.0 REVIEW OF NEARBY/ADJACENT PROPERTIES 25
8.0 FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS 26
9.0 QUALIFICATIONS 29

FIGURES

Figure 1: Site Location
Figure 2: Site Schematic

APPENDICES

Appendix A: Site Photographs
Appendix B: Aerial Photographs
Appendix C: Sanborn Maps
Appendix D: Topographic Maps
Appendix E: EDR Database Report

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Block 2061 Lot 1
166-218 Myrtle Avenue
Brooklyn, New York
AES Project No. 0130

1.0 INTRODUCTION

On May 1, 2004, American Environmental Solutions, Inc. (AES) was contracted by Mr. Donald Capoccia to conduct a Phase I Environmental Site Assessment of the commercial property located at 166-218 Myrtle Avenue, Brooklyn, New York (the site).

AES followed the scope and limitations set forth in the E1527-00 American Society for Testing and Materials (ASTM) document entitled "Standard Practice for Environmental Assessments: Phase I Environmental Site Assessment Process." The primary purpose of this assessment was to identify *recognized environmental conditions* in connection with the subject property. ASTM defines recognized environmental conditions as the presence or likely presence of hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or material threat of a release into structures on the property or into the ground, groundwater, or surface water of the property.

In accordance with the above-referenced agreement, AES performed a visual reconnaissance of the site, noted use of adjacent properties, and conducted historical and regulatory records research. The following provides a more detailed description of the scope of services:

- Visual inspection of the site buildings and grounds to identify potential for on-site oil or hazardous material release(s) and issues of non-compliance.
- Visual inspection of the site to confirm the presence or absence of Polychlorinated Biphenyl's (PCBs), i.e. transformers.
- Visual inspection and categorization of the use of abutting and adjacent properties as potential off-site sources of chemical contamination.

- Review of local records related to historical ownership, usage and site development. This also included reviewing local environmental databases to identify complaints, violations, citations, or inspections related to the site.

- Review of published federal regulatory records related to on-site activities and to potential off-site sources of oil or hazardous material contamination. Federal records reviewed include, but are not limited to, the following:

  - National Priorities List (NPL)
  - Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)
  - Resource Conservation and Recovery Act (RCRA)
  - Emergency Response Notification System (ERNS)

- Review of readily available state regulatory records and publications for environmental activities related to the site and potential off-site sources of oil or hazardous material contamination. State records reviewed include, but are not limited to, the following:

  - New York State Hazardous Waste Sites
  - New York State Underground Storage Tanks (USTs) List
  - New York State Leaking Underground Storage Tanks (LUSTs) List
  - New York State Solid Waste Facilities/Landfill Sites

- Review readily available historic site documents to assess for potential on-site sources of oil or hazardous material contamination.

- Review readily available plans and documents relative to construction materials utilized at the site and any historical renovation activities.

- Visually inspect the interior and exterior of the site building to confirm the presence or absence of Asbestos Containing Materials (ACMs) and Lead Based Paint (LBP).

- Preparation of a Phase I Environmental Site Assessment Report.

2.0 PROJECT SUMMARY

On May 1, 2004, AES was contracted by Mr. Donald Capoccia to conduct a Phase I Environmental Site Assessment of the commercial property, 166-218 Myrtle Avenue, Brooklyn, New York (the site). The purpose of this project is to determine if recognized environmental conditions exist at the site. The following is a summary of the AES findings, conclusions and recommendations.

Site inspections of 202-218 Myrtle Avenue were initially conducted by Brian Pendergast, President of AES, and Joseph Gallo of AES on May 19 and May 27, 2004. Edward Shendell, Director of Red Apple Real Estate, (the property manager) accompanied AES on the May 27th site visit. A subsequent site inspection was conducted by Mr. Pendergast on January 3, 2005. Robert Brick of AES conducted a site inspection at 166-192 Myrtle Avenue on June 22, 2005. The subject property is located on the southern side of Myrtle Avenue in Brooklyn, New York. The site is bordered to the north by Myrtle Avenue, to the south by residential dwellings (University Towers Apartments) and a parking lot, to the east by Ashland Place, and to the west by Prince Street. The site is developed with single-story concrete block and brick buildings which are currently occupied by commercial properties. These properties include: Duane Reade (166 Myrtle); Super Associated (176 Myrtle); Dalia Superstore (180 Myrtle); Andy's Liquor Store (184 Myrtle); a vacant property; Clean Spin Laundromat (192 Myrtle); Park-n-Lock parking lot; New World Food Center (202 Myrtle); El Dorado Restaurant (204 Myrtle); Magic Nail (206 Myrtle); Golden Horse Kitchen (208 Myrtle); O&S Laundromat (214 Myrtle); The Life Center (216 Myrtle) and a former Kentucky Fried Chicken (218). Sanborn Maps indicate that the property was developed with commercial and residential properties as early as 1887. The site is serviced by gas heat from KeySpan and electricity from Consolidated Edison (ConEd), and municipal water and sewer are provided by New York City Department of Environmental Protection. The site has been connected to municipal water and sewer since its construction.

Aerial photographs, a City Directory Abstract, Sanborn Maps and historical topographic maps for the subject site have been provided by Environmental Data Resources, Inc. (EDR).

This information was reviewed to attempt to identify any significant environmental concerns related to the subject property.

Several areas were observed in the buildings which may contain lead based paint (LBP) and asbestos containing materials (ACM). No samples of the tentatively identified ACM or LBP were collected at the time of this inspection.

ASTM research revealed surrounding facilities within search distances at which releases of oil and/or hazardous materials may have occurred. Based on the assumed groundwater flow direction, distance of these facilities from the subject site, the spill status, and the reasons for listing the each facility, these facilities are not considered a concern to this investigation

Summary of Recommendations:

Based on the findings of this investigation, AES offers the following recommendations:

- Dry cleaning operations/laundromats are located at 192 and 214 Myrtle Avenue. A Phase II Environmental Site Assessment would be required to evaluate whether theses dry cleaning operations have impacted the subject property.

- Fill pipes were observed during the site inspection in front of the Life Center at and the Golden Horse Chinese Restaurant at 216 Myrtle Avenue and 208 Myrtle Avenue respectively. This indicates the possible presence of underground storage tanks (USTs). A site wide geophysical survey utilizing ground-penetrating radar is recommended. This GPR survey would locate any unidentified USTs which may remain at the site.

- An underground storage tank (UST) file search should be conducted at the New York City Fire Department (NYCFD) to determine the number of USTs closed in place on the property, the contents, and capacities of the USTs. A Freedom of Information Act (FOIA) request may be necessary to obtain these records from the NYCFD.

- Soil at the site is likely to be characteristic of urban fill material that could exhibit high concentrations of metals, VOCs and SVOCs. This material may require proper disposal at a licensed disposal facility when soils may be excavated during construction.

- Several areas were observed in the buildings which may contain lead based paint (LBP) and asbestos containing materials (ACM). No samples of the tentatively identified ACM and/or LBP were collected at the time of this inspection. AES recommends that prior to any future renovation and/or demolition activities suspect LBP to be impacted should be sampled and analyzed for asbestos and lead content. Confirmed ACM and LBP should be managed in accordance with all applicable federal, state, and local regulations.

- Fluorescent light ballasts were observed in the buildings. During routine maintenance the fluorescent light ballasts should be checked for "non-PCB" labels. If labels are not observed, waste ballasts should be handled and disposed according to the requirements set forth in 40 CFR part 761.30(b)(2)(ii). These requirements include separating leaking ballasts from non-leaking ballasts. Leaking ballasts must be disposed in a Toxic Substances Control Act (TSCA) approved incinerator. Non-leaking ballasts should be disposed in a TSCA approved landfill

3.0 PROPERTY DESCRIPTION

3.1 Site Reconnaissance

A site inspection of 202-218 Myrtle Avenue was initially conducted by Brian Pendergast, President of AES, and Joseph Gallo of AES on May 19 and May 27, 2004. On May 19, the weather was cloudy and raining with a temperature of approximately 60° Fahrenheit. The weather was sunny and clear with a temperature of approximately 70° Fahrenheit on May 27. Edward Shendell, Director of Red Apple Real Estate (the property manager) accompanied AES on the May 27th site visit. A subsequent site inspection of 202-218 Myrtle Avenue was conducted by Mr. Pendergast on January 3, 2005. The weather was partly cloudy with a temperature of approximately 45° Fahrenheit. Robert Brick of AES conducted a site inspection of 166-192 Myrtle Avenue on June 22, 2005. The weather was cloudy with a temperature of approximately 80° Fahrenheit during the site inspection. The site visit consisted of an inspection of the site, an interview with the site contacts, and visual reconnaissance of neighboring properties from curbside. Readily available resources such as USGS topographic maps, Sanborn Fire Insurance maps, and regulatory records were reviewed.

3.2 General Site Conditions

The subject site is located on the southern side of Myrtle Avenue in Brooklyn, New York. The size of the lot is approximately 110,500 square feet and it is referenced as Block 2061, Lot 1. The site location is shown on Figure 1. Site photographs are shown in Appendix A.

A site schematic is shown on Figure 2. The site is bordered to the north by Myrtle Avenue, to the south by residential dwellings (University Towers Apartments) and a parking area, to the east by Ashland Place and to the west by Prince Street. Commercial properties exist beyond Prince Street to the west including China Wok, Doni & Joni Variety Store, Mike's Shoe Repair and Myrtle Avenue Kosher Pizza & Bagels. Beyond Myrtle Avenue to the north is the Raymond V. Ingersoll Housing Project.

3.3 Site Improvements

The site is developed with single-story concrete block and brick buildings which are occupied by commercial properties. The property was developed with commercial and residential properties as early as 1887 according to the Sanborn Map Report.

3.3.1 Exterior Improvements

The site is developed with a single-story concrete block and brick buildings, which are currently occupied by retail businesses. Corrugated steel doors enclose the properties at 214 and 216 Myrtle and the vacant property adjacent to Andy's Liquor Store and Clean Spin Laundromat. The properties currently in operation have plate glass windows and awnings. The site at 218 Myrtle Avenue (Kentucky Fried Chicken) is developed with a single-story concrete block building which has been faced with stucco and painted. A parking area lies adjacent to the former Kentucky Fried Chicken to the west. A parking area (Park-N-Lock) is adjacent to New World Food to the west.

3.3.2 Building Description

The site is developed with a single-story concrete block and brick buildings measuring approximately 110,500 square feet total. The buildings have a flat roof. The site buildings at 166-192 Myrtle Avenue have basements. According to Mr. Shendell of Red Apple Real Estate the site buildings at 202-218 Myrtle have concrete slab foundations.

3.3.3 Utilities

Municipal potable water has serviced the site since its construction. There was no supporting documentation provided regarding the building construction. The site has been serviced by municipal sewer services since its construction.

The site is serviced with electricity from Consolidated Edison (ConEd), and municipal water and sewer are provided by New York City Department of Environmental Protection. Gas heat is supplied to the site via forced air gas heaters. Gas is reportedly provided by KeySpan. No on-site utility concerns were observed during this investigation.

3.4 Tenant Operations

The property was developed with commercial and residential properties as early as 1887. Historical records regarding the tenant operations at 166-218 Flatbush Avenue were not readily available. The subject site is currently occupied by Duane Reade (166 Myrtle); Super Associated (176 Myrtle); Dalia Superstore (180 Myrtle); Andy's Liquor Store (184 Myrtle); two vacant properties; Clean Spin Laundromat (192 Myrtle); Park-n-Lock parking lot; New World Food Center (202 Myrtle); El Dorado Restaurant (204 Myrtle); Magic Nail (206 Myrtle); Golden Horse Kitchen (208 Myrtle); O&S Laundromat (214 Myrtle); The Life Center (216 Myrtle) and a former Kentucky Fried Chicken (218). The site building at 218 Myrtle Avenue was formerly occupied by Kentucky Fried Chicken and is currently vacant. The Life Center at 216 Myrtle is no longer in operation. O&S Laundromat (214 Myrtle) is not currently in operation.

3.5 Environmental Setting

3.5.1 Topography

The surface elevation of the site is approximately 35 feet above mean sea level. The topography of the site is generally flat. Regional topography is generally flat, with a slight elevation drop to the west and to the north.

3.5.2 Surface Water and Wetlands

There were no wetlands or natural surface water bodies observed on the site. The closest significant body of water is the East River located approximately one mile to the west and one mile to the north of the site. The Gowanus Canal is located approximately ¾ of a mile to the south of the site.

3.5.3 Subsurface Geologic Conditions

According to the soil survey data provided by the United States Department of Agriculture, subsurface soil expected at the site includes stratified soil and urban fill. Additionally, these soils are somewhat stratified, containing beds of fine soils (silts and clays) with low rates of hydraulic conductivity and beds of coarse soils (sands and gravels) with high rates of

hydraulic conductivity at greater depths. The depth to bedrock at the site is greater than 10 inches.

3.5.4 Groundwater Flow

Groundwater flow direction at a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected at nearby properties, and regional groundwater flow information. No monitoring wells were observed on the property at the time of the site inspection.

The groundwater information provided in this report is based upon review of the Geocheck database report from Environmental Data Resource, Inc. (EDR). This information is generated from their AQUIFLOW Information system, which was generated from a review of reports submitted by environmental professionals to regulatory authorities at select sites. EDR has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table from these reports to construct this database.

The site is located on a relatively flat area. As such, localized groundwater flow is generally north and west toward the East River. Depth to groundwater is estimated to be greater than twenty feet below grade surface. Actual local groundwater flow direction can be influenced by factors such as local surface topography, underground structures, seasonal fluctuations, soil and bedrock geology, and production wells, none of which were considered during this study.

4.0 HISTORICAL RECORDS REVIEW

Past land uses were investigated to identify historical practices or conditions, which may have impacted the subject site. This is accomplished via an ownership records review, review of aerial photographs, review of historical topographic maps and interviews with knowledgeable personnel.

4.1 Prior Ownership

The current owner of Block 2061 Lot 1 is John Catsimatidis according to New York City Property Records. Mr. Catsimatidis has owned the property since 1982. The prior owner is Long Island University.

4.2 Aerial Photography

EDR provided copies of aerial photographs depicting the site and vicinity. There were five (5) aerial photographs depicting the subject site. Copies of these photographs are included in Appendix B. A summary of these photographs is discussed below.

1953: It is difficult to locate the subject site on the photograph because it is unclear and dark in some areas.

1966: The site appears on the photograph.

1975: The site and surrounding properties appear unchanged from the 1966 photograph.

1984: The site and surrounding properties appear as they do in the 1975 photograph.

1994: It is difficult to locate the subject site on the photograph because it is unclear and dark in some areas.

No concerns regarding the historic use of the site were identified through the review of historical aerial photographs.

4.3 Sanborn Fire Insurance Maps

EDR Sanborn provided twenty-one Sanborn Maps depicting the subject site. Copies of the Sanborn Maps are included in Appendix C. A summary of the information presented on these maps is discussed below:

1887: The subject property was developed with residential dwellings and commercial dwellings.

1904: The site remains unchanged from the 1887 Sanborn. Flatbush Avenue has yet to be constructed.

1915: The Flatbush Avenue Extension is now shown on the map and intersects the site formerly lying between Myrtle Avenue and Willoughby Street.

1938: The site and surrounding properties appear unchanged from the 1915 Sanborn.

1950: The site and surrounding properties appear unchanged from the 1938 Sanborn. The properties previously shown beyond Myrtle to the north no longer exist on the map.

1969: Hudson Avenue, which previously existed just west of the subject site is not shown on the map. The site buildings are shown on the map as they exist today. The University Towers apartment complex is now adjacent to the south of the subject site. Navy Place is now known as Ashland Place.

1977: The site and surrounding properties appear unchanged from the 1969 Sanborn.

1979: The site and surrounding properties appear unchanged from the 1977 Sanborn.

1980: The site and surrounding properties appear unchanged from the 1979 Sanborn.

1981: The site and surrounding properties appear unchanged from the 1980 Sanborn.

1982: The site and surrounding properties appear unchanged from the 1981 Sanborn.

1986: The site and surrounding properties appear unchanged from the 1982 Sanborn.

1987: The building at 218 Myrtle Avenue now appears on the map. The site and surrounding properties appear unchanged from the 1986 Sanborn.

1988: The site and surrounding properties appear unchanged from the 1987 Sanborn.

1989: The site and surrounding properties appear unchanged from the 1988 Sanborn.

1991: The site and surrounding properties appear unchanged from the 1989 Sanborn.

1992: The site and surrounding properties appear unchanged from the 1991 Sanborn

1993: The site and surrounding properties appear unchanged from the 1992 Sanborn

1995: The site and surrounding properties appear unchanged from the 1993 Sanborn

1996: The site and surrounding properties appear unchanged from the 1993 Sanborn

4.4 Topographic Maps

EDR review of available public and private color historical topographic map collections revealed the existence of five (5) maps depicting the subject site and seven (7) showing surrounding areas in adjoining quads. Copies of the historical topographic maps are included in Appendix D. A summary of the information presented on these maps is discussed below:

1947: The site and surrounding vicinity appear on the map but the small scale makes it difficult to locate the site.

1956: The site and surrounding vicinity appear unchanged from the 1947 map.

1967: The site and surrounding vicinity appear unchanged from the 1956 map.

1979: The site and surrounding vicinity appear unchanged from the 1966 map.

1995: The site and surrounding vicinity appear unchanged from the 1979 map.

No concerns regarding the historic use of the site were identified through the review of historical topographic maps.

4.5 Previous Environmental Investigations

No previous environmental investigations were available for review.

5.0 REGULATORY AGENCY RECORDS SEARCH

AES reviewed a database report from Environmental Data Resources, Inc. (EDR). The EDR report may be referenced in Appendix E. A review of databases and files from federal, state, and local environmental regulatory agencies was conducted to identify use, generation, storage, treatment or disposal of hazardous materials and chemicals, or release incidents of such materials which may impact the site. The databases discussed in the following sections address ASTM requirements. Additional federal and state databases were reviewed. Please refer to the EDR report for a detailed listing.

The federal records reviewed include: Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), National Priorities List (NPL), Resource Conservation Recovery Information System (RCRIS), and Emergency Response Notification System (ERNS).

State records reviewed include: New York registered underground storage tanks (USTs), New York leaking underground storage tanks (LUST), New York state solid waste facilities/landfill sites (SWF/LS), New York state hazardous waste sites (SHWS), and New York state Voluntary Cleanup Program (VCP).

Included in the EDR database report is an orphan summary. This summary identifies facilities that are contained on one of the above referenced databases or lists, but that did not contain complete or accurate geographic data. Consequently, EDR was unable to map the facilities in relation to the site. As part of this investigation AES reviewed the orphan summary. Facilities noted on the orphan summary list identified within ASTM search distances of the site are discussed in the following sections. A summary of the EDR database information is provided in Table 5.0.

Table 5.0 EDR Database Summary			
Database	Radius	Target Property	Surrounding Facilities
National Priorities List / Delisted National Priorities List (NPL)	1 Mile	-	0
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Sites	½ Mile	-	0
CERCLIS No Further Remedial Action Planned (NFRAP) Sites	¼ Mile	-	0
Resource Conservation and Recovery Act Corrective Action Treatment, Storage, and Disposal Facilities (CORRACTS)	1 Mile	-	0
RCRA Large Quantity Generators	~~¼ Mile~~	-	1
RCRA Small Quantity Generators	~~¼ Mile~~	-	25
Emergency Response Notification System (ERNS)	Target Property	-	-
State Hazardous Waste Sites (SHWS)	1 Mile	-	0
State Solid Waste Landfills (SWF/LF)	½ Mile	-	0
Underground Storage Tank Facilities (UST)	¼ Mile		31
Aboveground Storage Tank Facilities (AST)	Target Property	-	NR
Leaking Storage Tank Incident Report Facilities (LTANKS)	½ Mile	-	~~43~~ 44
NY Spills	⅛ Mile	-	~~12~~ 10
Voluntary Cleanup Program (VCP)	⅛Mile	-	1

5.1 Federal Regulatory Records

The United States Environmental Protection Agency (USEPA) National Priorities List (NPL) records were reviewed to identify facilities within one mile of the site which the USEPA has determined to represent a possible threat to public health or the environment. The subject site was not listed, nor was any facility located within one mile of the subject site.

The USEPA Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) list of known, alleged, or potentially hazardous waste sites was reviewed. A site's presence on the CERCLIS list does not necessarily imply federal activity at that site, nor does it indicate that hazardous conditions necessarily exist at the location. The subject site was not listed, nor was any facility located within ½-mile of the subject site.

The USEPA CERCLIS No Further Action Planned (NFRAP) list was reviewed. The CERCLIS-NFRAP list contains CERCLIS sites, which were investigated and categorized

as requiring no further action. The subject site was not identified on the database, nor were any other facilities located within ¼-mile of the subject site.

The CORRACTS database was reviewed. The CORRACTS database contains hazardous waste handlers with RCRA corrective action activity. The subject site was not identified on the database. No CORRACTS facilities were identified as located within one mile of the subject site.

The Resource Conservation and Recovery Information System (RCRIS) List of hazardous waste generators was reviewed. The RCRIS-TSD list identifies facilities which generate, treat, transport, store, and dispose of hazardous waste. A facility's inclusion on this list does not necessarily indicate that hazardous conditions exist at that location. The subject site was not identified on the RCRIS database.

The Emergency Response Notification System (ERNS) is a national database used to collect information on reported releases of oil and hazardous material. The database contains information from spill reports made to Federal authorities including the EPA, the US Coast Guard, The National Response Center, and the Department of Transportation. According to the EDR report, the site is not referenced on the ERNS List.

5.2 State Regulatory Records

The New York Department of Environmental Conservation (NYSDEC) list of state hazardous waste sites (SHWS) was reviewed. The subject site was not identified on the database. No facilities were identified on the database within a one-mile radius of the subject site.

The EDR database of state solid waste facilities/landfills sites (SWF/LS) was reviewed. According to these files, the site is not a landfill. No SWF/LS were identified on the database within a ½-mile of the subject site.

The list of Underground Storage Tank (UST) facilities maintained by the NYSDEC was reviewed. The database identified thirty-one (31) UST facilities located within ¼-mile of the subject site. A summary of these sites appears in Table 5.2.1 – UST Site Summary.

Table 5.2.1 – UST Site Summary		
Facility Name	Distance/Direction from Site	UST Capacity/Status
New York Telephone	428 ft./SE	1200 gal. fuel oil/closed 3/1/93 4 550 gal. gasoline/closed 3/1/93
Institute of Design and Construction	532 ft/SSW	5000 gal. fuel oil/currently in service
NYC Dept. of Health	562 ft./S	3088 gal. gasoline/closed in place 8/1/98
University Towers Apts.	578 ft./SSE	2000 gal. fuel oil/currently in service
University Towers Apts.	651 ft./SSE	2000 gal. fuel oil/currently in service
Polytechnic University	712 ft./WNW	2000 gal. fuel oil/closed in place
Brooklyn Campus LIU	718 ft./SSE	200 gal. fuel oil/currently in service
United Dufffied Co.	757 ft./SW	3000 gal. fuel oil/currently in service
St. Joseph High School	940 ft./WSW	3000 gal. fuel oil/currently in service
136 Lawrence St.	1104 ft./WSW	1500 gal. fuel oil/closed prior to 4/91
Ching-Tien Realty Inc.	1206 ft./SW	3000 gal. fuel oil/currently in service
Polytechnic University	1214 ft./W	7500 gal. fuel oil/currently in service 7500 gal. fuel oil/closed 9/1/01
Dime Savings Bank of NY	1228 ft./S	15,000 gal. fuel oil tank/currently in service 2000 gal. gasoline/closed prior to 4/91
Transportation Building	1255 ft./W	550 gal. gasoline/closed 9/1/97 11,575 gal. fuel oil/closed 3/1/91 12,000 gal. fuel oil/currently in service
147 Prince St.	80 ft./E	2500 gal. fuel oil/closed 4/11/01
Exxon Mobil	272 ft./NW	550 gal. used oil/currently in service 4 4000 gal. gasoline/currently in service
Pepper & Potter, Inc.	466 ft./NNW	1080 gal. unknown material/closed 11/1/93 1500 gal. lube oil/closed 11/1/93 5000 gal. fuel oil/
LUBA Organization	472 ft./N	5000 gal. fuel oil/currently in service
MIM Import Corp.	689 ft./N	3000 gal. fuel oil/closed prior to 4/91
Polytechnic University	823 ft./NW	5000 gal. fuel oil/ currently in service
Merit Oil Corp.	830 ft./NNW	5 5000 gal. gasoline/closed
Met Tech Motor	843 ft./NNW	5 550 gal. gasoline/closed 11/1/93
TA Police Academy	892 ft./N	5000 gal. fuel oil/currently in service
84th Precinct	892 ft./N	4000 gal. gasoline/currently in service 4 550 gal. gasoline/closed 1/1/96
Ingersoll	1279 ft./NE	2 35,000 gal. fuel oil/closed 3/1/93 25,000 gal. fuel oil/currently in service
Shell	952 ft./NNW	3 4000 gal. gasoline/closed 9/1/92 550 gal. unknown material/closed 12/1/71
Ingersoll Houses	1279 ft./NE	2 35,000 gal. fuel oil/closed 3/1/93 25,000 gal. fuel oil/currently in service
Engine 207/Ladder 110	1053 ft./NNW	2 550 gal. diesel fuel/closed 1/1/97 3 550 gal. gasoline/closed 1/1/97

Table 5.2.1 – UST Site Summary		
Facility Name	Distance/Direction from Site	UST Capacity/Status
Sunoco 0007-1548	588 ft./SW	4000 gal. gasoline storage tank/closed prior to 4/91 2 550 gal. gasoline storage tanks/closed prior to 4/91
University Towers Apts.	1133 ft./ESE	20,000 gal. fuel oil/ currently in service
Kingsview Homes Inc.	1154 ft./ESE	10,000 gal. fuel oil/currently in service

Based on the assumed groundwater flow direction, distance of these facilities from the subject site, the tank status, these facilities are not considered a concern to this investigation with respect to their inclusion in the UST database.

The database of Petroleum Bulk Storage Tank (AST) Facilities maintained by the NYSDEC was reviewed. No ASTs are identified on the subject property.

The database of Leaking Storage Tank Incident Reports (LTANKS) facilities maintained by the NYSDEC was reviewed. The subject site was not identified on the database. The database identified forty-three (43) LTANKS facilities located within ½-mile of the subject site. The New York Spills (NY Spills) database maintained by the NYSDEC was reviewed. This database includes facilities with releases reported under the chemical bulk storage, petroleum bulk storage, or Navigation Law regulations. Twelve (12) facilities located within $^{1}/_{8}$-mile of the subject site were identified in the NY Spills database. A summary of the LTANKS and NY Spills sites appears in Table 5.2.2 – LTANKS Site Summary.

Table 5.2.2 – LTANKS/NY Spills Site Summary				
Facility Name	List	Distance/Direction from Site	Site Status	Cause
130 Myrtle Street	LTANKS	361 ft./W	closed	tank overfilled with 20 gal. fuel oil, closed by the DEC 12/31/97
NY Telephone #890245	LTANKS	379 ft./SSE	open Closed on 6/23/04	unknown amount of gasoline spilled due to tank test failure
316 Flatbush Ave.	LTANKS	685 ft./SSE	closed	70 gal. diesel fuel spilled, closed by the DEC3/23/89
1 University Plaza	LTANKS	718 ft. /SSE	closed	1 gal. fuel oil spilled, closed by the DEC 2/8/94
75 Willoughby Street	LTANKS	1018 ft./WSW	closed	1 gal. fuel spilled during delivery, closed by the DEC11/8/94
Polytechnic University	LTANKS 0105087	1214 ft./W	open 06/09/02	unknown amount of fuel spilled #4 fuel oil
Pearle Street/NYCTA	LTANKS	1528 ft./WSW	closed	fuel oil spilled due to tank test failure, closed by the DEC 7/29/98

Table 5.2.2 - LTANKS/NY Spills Site Summary				
Facility Name	List	Distance/Direction from Site	Site Status	Cause
Pearle Street/NYCTA	LTANKS	1528 ft./WSW	closed	fuel oil spilled due to tank test failure, closed by the DEC 7/29/98
408 Jay/1427 Fulton	LTANKS	1565 ft./WSW	open	1700 gal. fuel oil spilled
Board of Education	LTANKS	1648 ft./WSW	closed	tank overfilled with gasoline, closed by the DEC 12/13/96
NYC Welfare Fac.	LTANKS	1654 ft./SSW	closed	fuel oil spilled due to tank test failure, closed by the DEC 3/19/99
Fort Greene Pl. & DeKalb Ave.	LTANKS	1817 ft./SE	closed	fuel oil spilled during delivery, closed by the DEC 4/22/93
MPM Realty Corp.	LTANKS	1846 ft./SW	closed	20 gal. fuel oil spilled during delivery, closed by the DEC2/24/95
Whitman Housing	LTANKS	1905 ft./E	open	900 gal. fuel oil spilled due to tank overfill
NY Telephone	LTANKS	2004 ft./WSW	open	fuel oil spilled due to tank test failure
Cogen Corporation	LTANKS	2004 ft./WSW	open	lube oil spilled due to tank test failure
111 Livingston St./NY Tel	LTANKS	2004 ft./WSW	closed	25 gal. fuel oil spilled due to tank overfill
Brooklyn Law School	LTANKS	2035 ft./WSW	open	fuel oil spilled due to tank test failure
120 Schermerhorn St.	LTANKS	2115 ft./SW	closed	10 gal. fuel oil spilled due to tank overfill, closed by the DEC 11/4/92
40 Nevins St.	LTANKS	2185 ft./S	open	2 gal. fuel oil spilled due to tank failure
32 Court St.	LTANKS	2225 ft./W	open	fuel oil spilled due to leaking tank
186 Jay St.	LTANKS	2236 ft./NNW	open	fuel oil spilled due to tank test failure
Community Living	LTANKS	2276 ft./S	open	fuel oil spilled due to tank test failure
Livingston Association	LTANKS	2328 ft./WSW	open	fuel oil spilled due to tank test failure,
86 Livingston St.	LTANKS	2354 ft./WSW	closed	10 gal. fuel oil spilled due to tank overfill, closed by the DEC 9/25/92
225 Cadman Plaza E.	LTANKS	2475 ft./NW	closed	fuel oil spilled due to tank overfill, closed by the DEC 1/20/89
Walt Whitman Houses	LTANKS	2539 ft./ENE	closed	30 gal. fuel oil spilled due to tank overfill, closed by the DEC1/23/95
620 Fulton St.	LTANKS	2586 ft./SE	open	gasoline contamination found during tank removal
Citgo	LTANKS	2586 ft./SE	open	gasoline spilled due to tank test failure
NYCPD 84th Precinct	LTANKS	892 ft./N	closed	gasoline spilled due to tank overfill, closed by the DEC 10/6/93
NYCPD 84th Precinct	LTANKS	892 ft./N	open	gasoline spilled due to tank overfill
Sunoco Gas Station	LTANKS	992 ft./NNW	open	25 gal. gasoline spilled due to tank overfill
Apartment Building	LTANKS	1148 ft./ESE	open	fuel oil spilled due to tank test failure
Ingersoll Houses	LTANKS	1331 ft./NE	open	fuel oil contamination found during tank removal
Ingersoll Houses	LTANKS	1336 ft./NE	open	fuel oil contamination found during tank removal
45 N. Elliot Pl.	LTANKS	1861 ft./NE	open	fuel oil spilled due to tank test failure
Brooklyn Academy of Music	LTANKS	2135 ft./SSE	open	unknown petroleum contamination found and tank removed
Red Hook Term./Port Authority	LTANKS	2498 ft./NE	open	gasoline spilled due to tank test failure

Table 5.2.2 – LTANKS/NY Spills Site Summary				
Facility Name	List	Distance/Direction from Site	Site Status	Cause
Red Hook Term./Port Authority Admin. Bldg.	LTANKS	2498 ft./NE	open	gasoline contamination found due to tank test failure
Red Hook Term./Port Authority	LTANKS	2498 ft./NE	closed	diesel fuel spilled due to tank test failure, closed by the DEC 11/14/94
Advanced Management	LTANKS	2235 ft./W	closed	Fuel oil spilled due to tank overfill, closed by the DEC 12/30/93
Brooklyn Navy Yard Industrial	LTANKS	2614 ft./NE	open	Ferric chloride spilled due to tank failure
Red Hook Water Pollution Control	LTANKS	2614 ft./NE	Open	Gasoline spilled due to tank test failure
Vault 7032	NY Spills	539 ft./SSW	closed	1 qt. motor oil spilled on transformer during maintenance, closed by the DEC 10/22/99
Vault 6059	NY Spills	539 ft./SSW	open	225 gal. transformer oil spilled
Apartment Building	NY Spills	578 ft./SSE	open	unknown amount of fuel oil spilled
Manhole 61101	NY Spills	114 ft./WNW	open	3 gal. transmission fluid spilled
Manhole 1925	NY Spills	114 ft./WNW	closed	unknown petroleum substance found in manhole, closed by the DEC3/14/01
Manhole 1929	NY Spills	271 ft./NNW	open	8 gal. of unknown petroleum spilled
Mobil Oil Corp.	NY Spills	272 ft./NW	open	gasoline contamination found in soil
176 Johnson St.	NY Spills	472 ft./N	open	10 gal. fuel oil spilled due to tank overfill
Manhole 60331	NY Spills	472 ft./NNE	open	dielectric fluid spill due to a faulty cable
Manhole	NY Spills	472 ft./NNE	open	dielectric fluid spill due to a faulty cable
Hudson Ave. Substation	NY Spills	647 ft./NE	open	dielectric fluid spill due to a faulty cable
85 Flatbush Avenue Extension.	NY Spills	588 ft./SW	closed	10 gal. gasoline spilled due tot equipment failure, closed by the DEC 4/30/95
Hudson Ave Gerard St	NY Spills	650 ft/NNE	closed	10 gal non PCB oil

Based on the assumed groundwater flow direction, distance of these facilities from the subject site, the spill status, and the reasons for listing the each facility, these facilities are not considered a concern to this investigation with respect to their inclusion in the LTANKS or NY Spills database.

5.3 Local Records

No local records were readily available for review. The EDR database review did not identify any potential concerns related to various local regulatory agencies.

6.0 ON-SITE ENVIRONMENTAL ASSESSMENT

6.1 Storage Tanks

6.1.1 Underground Storage Tanks (USTs)

Fill pipes were observed during the site inspection in front of the Life Center (216 Myrtle) and the Golden Horse Chinese Restaurant (208 Myrtle). This indicates the possible presence of underground storage tanks (USTs). A site-wide geophysical survey utilizing ground-penetrating radar is recommended. This GPR survey would locate any unidentified USTs which may remain at the site as well as serving to mark out the site for the additional proposed underground investigative work.

6.1.2 Aboveground Storage Tanks (ASTs)

No above-ground fuel oil storage tanks (ASTs) were observed during the site inspection.

6.2 Asbestos-Containing Materials (ACMs)

Asbestos containing materials (ACM) may be present in the buildings. An asbestos survey is required to determine the exact quantity of asbestos present in the building. Representative samples of the tentatively identified ACM were not collected at the time of inspection. AES recommends that prior to any future renovation and/or demolition activities suspect ACM should be sampled and analyzed for asbestos content.

6.3 Lead Based Paint (LBP)

Several areas observed in the buildings during site inspection may contain lead based paint. Representative samples of the tentatively identified LBP were not collected at the time of inspection. AES recommends that prior to any future renovation and/or demolition activities suspect LBP to be impacted should be sampled and analyzed for lead content.

6.4 Hazardous Materials

Hazardous materials were not observed to be utilized or stored on-site during the site inspection. There were no violations identified in the EDR database search relative to the site. Therefore hazardous materials are not considered a concern to this investigation.

6.5 Solid Waste Management

Solid waste is accumulated in waste containers located throughout the site building. AES did not observe evidence of improper solid waste disposal during this investigation.

6.6 Hazardous Waste Management

Hazardous wastes were not observed at the site. Therefore hazardous waste management is not considered a concern to this investigation.

6.7 Polychlorinated Biphenyls (PCBs) Containing Equipment

No PCB transformers were observed in the building at the time of the site inspection. No concerns were noted with PCBs during this investigation.

Fluorescent lighting was observed throughout the site building. During routine maintenance the fluorescent light ballasts should be checked for "non-PCB" labels. If labels are not observed, waste ballasts should be handled and disposed according to the requirements set forth in 40 CFR part 761.30(b)(2)(ii). These requirements include separating leaking ballasts from non-leaking ballasts. Leaking ballasts must be disposed in a Toxic Substances Control Act (TSCA) approved incinerator. Non-leaking ballasts should be disposed in a TSCA approved landfill.

6.8 Water, Wastewater and Storm Water

6.8.1 Water Supply

According to the site contacts, potable water is provided to the site by the New York City Department of Environmental Protection. The site has been connected to municipal water supply since its development. There was no supporting documentation provided

during the site inspection. No concerns associated with on-site water supply were observed during this investigation.

6.8.2 Wastewater

The site has been serviced by municipal sewer services from the New York City Department of Environmental Protection since its development. No concerns associated with wastewater utilities were observed during this investigation.

6.8.3 Storm Water

All storm water is allowed to travel along the ground surface in the downward direction of the topography. No concerns regarding the management of storm water at the site were identified during this investigation.

6.9 Surface Water and Wetlands

There were no wetlands or natural surface water bodies observed on the site. The closest significant body of water is the East River, located approximately one mile to the west and one mile to the north of the site. Gowanus Canal lies approximately ¾ of a mile to the south of the site.

6.10 Radon

The site is located within a Zone 3 radon area, meaning that the average indoor radon level is less than 2 pCi/L. The USEPA action level for radon is 4 pCi/L. Based on the low radon potential in the area of the site and because the site does not contain any continuously occupied subgrade spaces, radon is not considered a concern to this investigation.

6.11 Air Emissions

There are no observed emissions from operations on site that required permitting, emission controls, or abatement activities. No additional controls were identified as being required during this assessment.

6.12 Dry Cleaning Operations

A dry cleaning operation, Clean Spin Laundromat is located at 192 Myrtle Avenue. O&S Laundromat, a former dry cleaning operation was located at 214 Myrtle Avenue.

6.13 Site Specific Environmental Issues

There were no site-specific environmental concerns identified during the assessment other than those discussed within previous sections of this report.

7.0 REVIEW OF NEARBY/ADJACENT PROPERTIES

The subject site is located on the southern side of Myrtle Avenue in Brooklyn, New York in a commercial and residential area. The site is bordered to the south by the University Towers Apartments. The site is bordered to the north by Myrtle Avenue. Beyond Myrtle Avenue is the Raymond V. Ingersoll Housing Project. The subject site is bordered to the west by Prince Street. Commercial properties exist beyond Prince Street to the west including China Wok, Doni & Joni Variety Store, Mike's Shoe Repair and Myrtle Avenue Kosher Pizza & Bagels. The site is bordered to the east by Ashland Place.

8.0 FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS

On May 1, 2004, AES was contracted by Mr. Donald Capoccia to conduct a Phase I Environmental Site Assessment of the commercial property, 166-218 Myrtle Avenue, Brooklyn, New York (the site). The purpose of this project is to determine if recognized environmental conditions exist at the site. The following is a summary of the AES findings, conclusions and recommendations.

Site visits were initially conducted by Brian Pendergast, President of AES, and Joseph Gallo of AES on May 19 and May 27, 2004. Edward Shendell, Director of Red Apple Real Estate, (the property manager) accompanied AES on the May 27th site visit. A subsequent site inspection was conducted by Mr. Pendergast on January 3, 2005. A site inspection was conducted at 166-192 Myrtle Avenue on June 23, 2005 by Eileen Pendergast of AES. The subject property is located on the southern side of Myrtle Avenue in Brooklyn, New York. The site is bordered to the north by Myrtle Avenue, to the south by a parking lot, to the east by commercial properties, and to the west by Prince Street. The site is developed with single-story concrete block and brick buildings which are currently occupied by commercial properties. These properties include: Duane Reade (166 Myrtle); Super Associated (176 Myrtle); Dalia Superstore (180 Myrtle); Andy's Liquor Store (184 Myrtle); a vacant property; Clean Spin Laundromat (192 Myrtle); Park-n-Lock parking lot; New World Food Center (202 Myrtle); El Dorado Restaurant (204 Myrtle); Magic Nail (206 Myrtle); Golden Horse Kitchen (208 Myrtle); O&S Laundromat (214 Myrtle); The Life Center (216 Myrtle) and a former Kentucky Fried Chicken (218). Sanborn Maps indicate that the property was developed with commercial and residential properties as early as 1887. The site is serviced by gas heat from KeySpan and electricity from Consolidated Edison (ConEd), and municipal water and sewer are provided by New York City Department of Environmental Protection. The site has been connected to municipal water and sewer since its construction.

Aerial photographs, a City Directory Abstract, Sanborn Maps and historical topographic maps for the subject site have been provided by Environmental Data Resources, Inc. (EDR). This information was reviewed to attempt to identify any significant environmental concerns related to the subject property.

Several areas were observed in the building which may contain lead based paint (LBP) and asbestos containing materials (ACM). No samples of the tentatively identified ACM or LBP were collected at the time of this inspection.

ASTM research revealed surrounding facilities within search distances at which releases of oil and/or hazardous materials may have occurred. Based on the assumed groundwater flow direction, distance of these facilities from the subject site, the spill status, and the reasons for listing the each facility, these facilities are not considered a concern to this investigation

Summary of Recommendations:

Based on the findings of this investigation, AES offers the following recommendations:

- Dry cleaning operations/laundromats are located at 192 and 214 Myrtle Avenue. A Phase II Environmental Site Assessment would be required to evaluate whether these dry cleaning operations have impacted the subject property.

- Fill pipes were observed during the site inspection in front of the Life Center at and the Golden Horse Chinese Restaurant at 216 Myrtle Avenue and 208 Myrtle Avenue respectively. This indicates the possible presence of underground storage tanks (USTs). A site wide geophysical survey utilizing ground-penetrating radar is recommended. This GPR survey would locate any unidentified USTs which may remain at the site.

- An underground storage tank (UST) file search should be conducted at the New York City Fire Department (NYCFD) to determine the number of USTs closed in place on the property, the contents, and capacities of the USTs. A Freedom of Information Act (FOIA) request may be necessary to obtain these records from the NYCFD.

- Soil at the site is likely to be characteristic of urban fill material that could exhibit high concentrations of metals, VOCs and SVOCs. This material may require proper disposal at a licensed disposal facility when soils may be excavated during construction.

- Several areas were observed in the building which may contain lead based paint (LBP) and asbestos containing materials (ACM). No samples of the tentatively identified ACM and/or LBP were collected at the time of this inspection. AES recommends that prior to any future renovation and/or demolition activities suspect LBP to be impacted should be sampled and analyzed for asbestos and lead content. Confirmed ACM and LBP should be managed in accordance with all applicable federal, state, and local regulations.

- Fluorescent light ballasts were observed in the building. During routine maintenance the fluorescent light ballasts should be checked for "non-PCB" labels. If labels are not observed, waste ballasts should be handled and disposed according to the requirements set forth in 40 CFR part 761.30(b)(2)(ii). These requirements include separating leaking ballasts from non-leaking ballasts. Leaking ballasts must be disposed in a Toxic Substances Control Act (TSCA) approved incinerator. Non-leaking ballasts should be disposed in a TSCA approved landfill

9.0 QUALIFICATIONS

Our professional services have been performed, our findings obtained, and our recommendations prepared in accordance with customary principles and practices in the fields of environmental science and engineering. This warranty is in lieu of all other warranties either expressed or implied. AES is not responsible for the independent conclusions, opinions or recommendations made by others based on the records review, site inspection, field exploration, and laboratory test data presented in this report.

It should be noted that all surficial environmental assessments are inherently limited in the sense that conclusions are drawn and recommendations developed from information obtained from limited research and site evaluation. Subsurface conditions were not field investigated as part of this study and may differ from the conditions implied by the surficial observations. Additionally, the passage of time may result in a change in the environmental characteristics at this site and surrounding properties. This report does not warrant against future operations or conditions, nor does this warrant operations or conditions present of a type or at a location not investigated. This report is not a regulatory compliance audit.

This study is not intended to assess or otherwise determine if any soil contamination, waste emplacement, or groundwater contamination exists. These data are accessible only by subsurface material and groundwater sampling through the completion of soil borings and the installation of monitoring wells. The scope of work, determined by the client, did not include these activities.

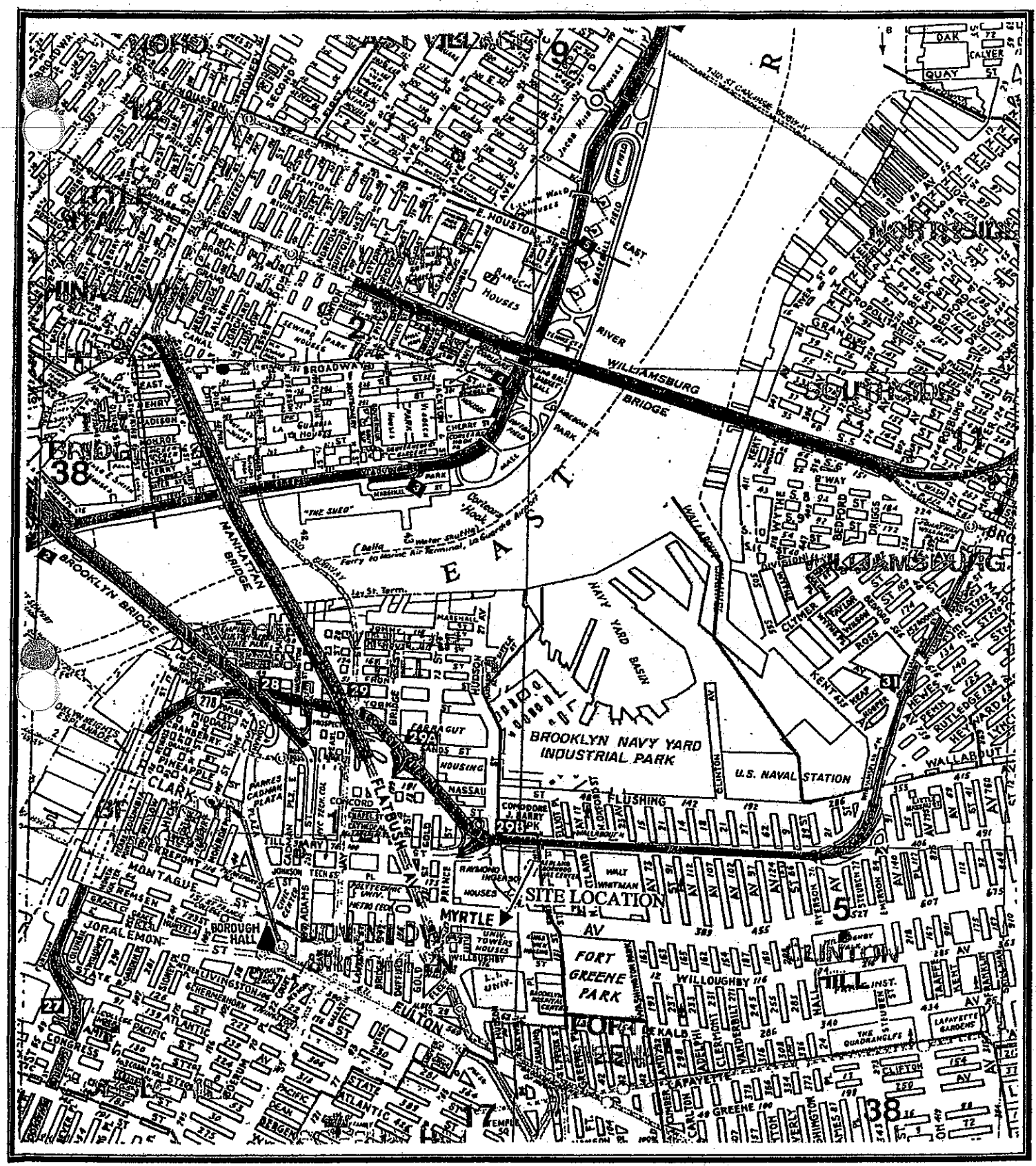
It must be noted that no investigation can absolutely rule out the existence of any hazardous materials at a given site. This assessment has been based upon prior site history and observable conditions. Existing hazardous materials and contaminants can escape detection using these methods.

Our conclusions regarding the potential environmental impact of nearby, off-site facilities on the subject site are based on readily available information from the environmental databases and the assumed groundwater flow direction. A detailed file review of each

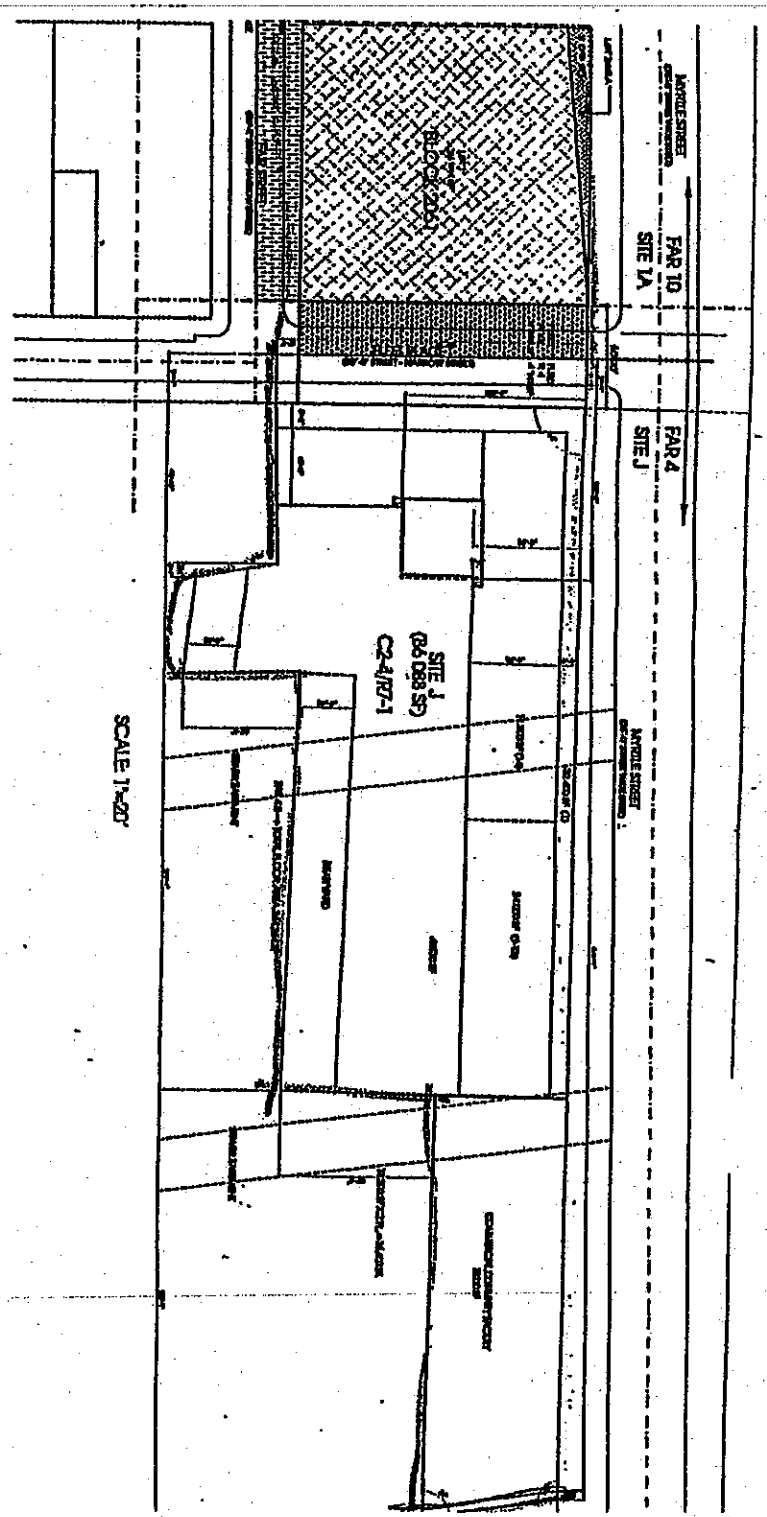
facility was beyond the scope of work. Actual subsurface groundwater conditions can only be determined through the installation of monitoring wells.

AES reviewed past ownership of the project site in an attempt to determine past site usage. AES is not a professional title insurance firm and makes no guarantee, explicit or implied, that the listing which was reviewed represented a comprehensive delineation of past site ownership or tenancy for legal purposes.

This report is for the exclusive use of BFC Real Estate & Construction, its affiliates, designates and assignees, rating agencies, prospective bond holders and bond holders, and no other party shall have any right to rely on any service provided by AES, Inc. without prior written consent.

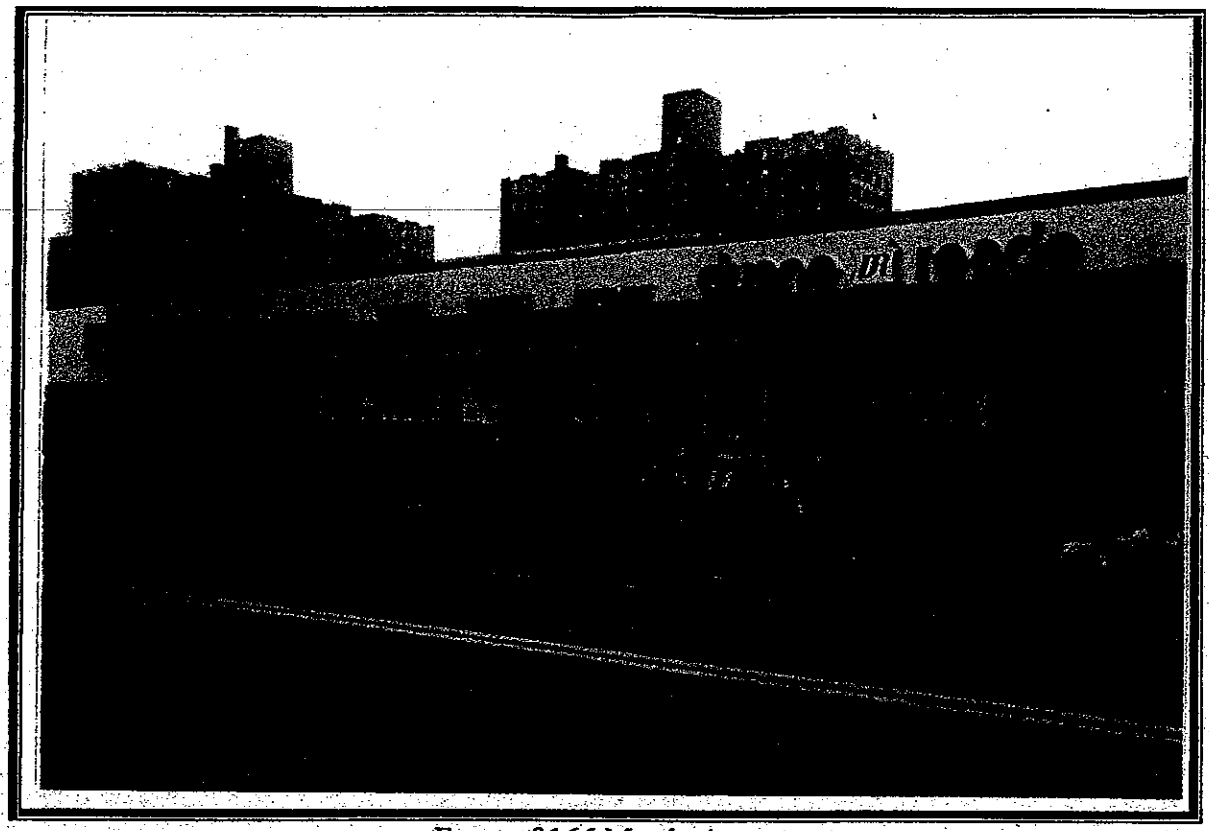


Location Map **166-218 Myrtle Avenue** **Block 2061 Lot 1** **Brooklyn, NY**	AES Project No. 0130 Phase I Environmental Site Assessment	**Figure 1** **American Environmental Solutions, Inc.**



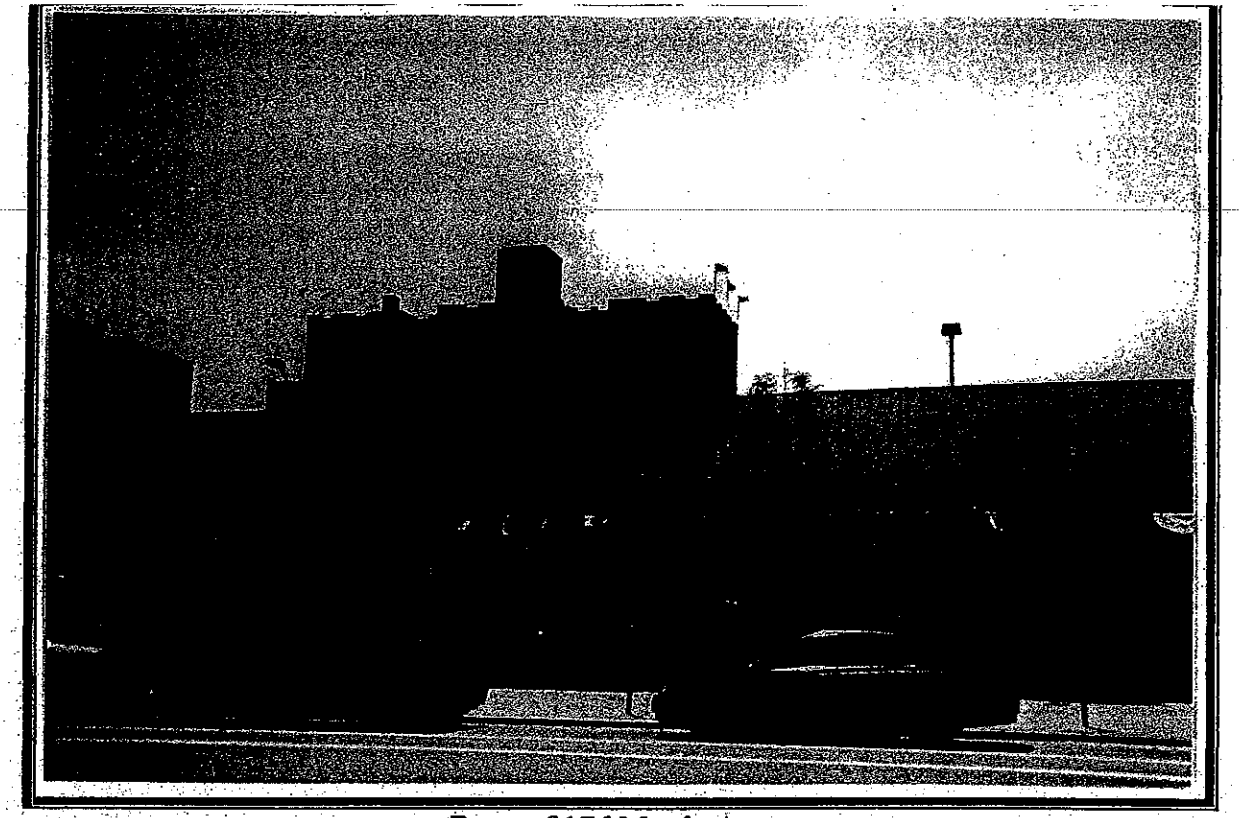
Site Schematic **166-218 Myrtle Avenue** **Block 2061 Lot 1** **Brooklyn, NY**	AES Project No. 0130 Phase I Environmental Site Assessment	**Figure 2** **American Environmental Solutions, Inc.**

APPENDIX A:
SITE PHOTOGRPAHS

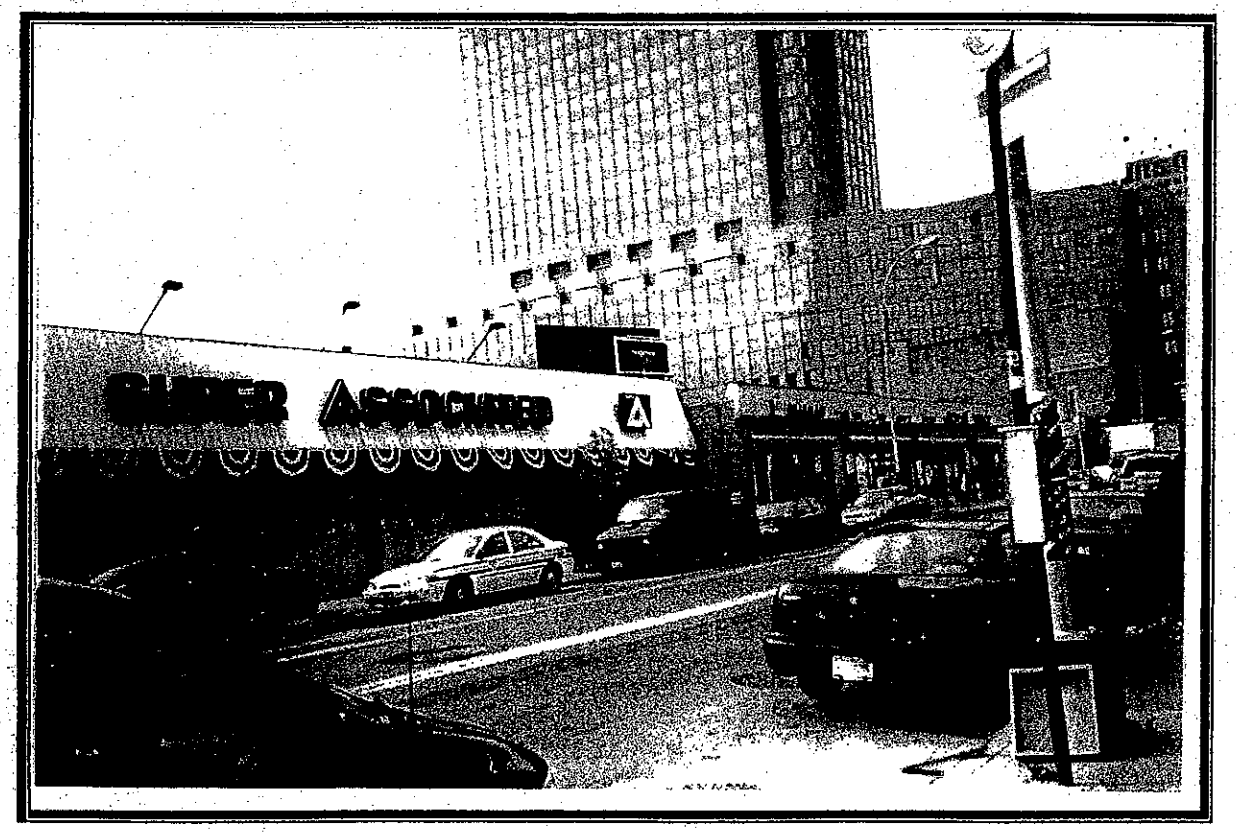


Front of 166 Myrtle Avenue

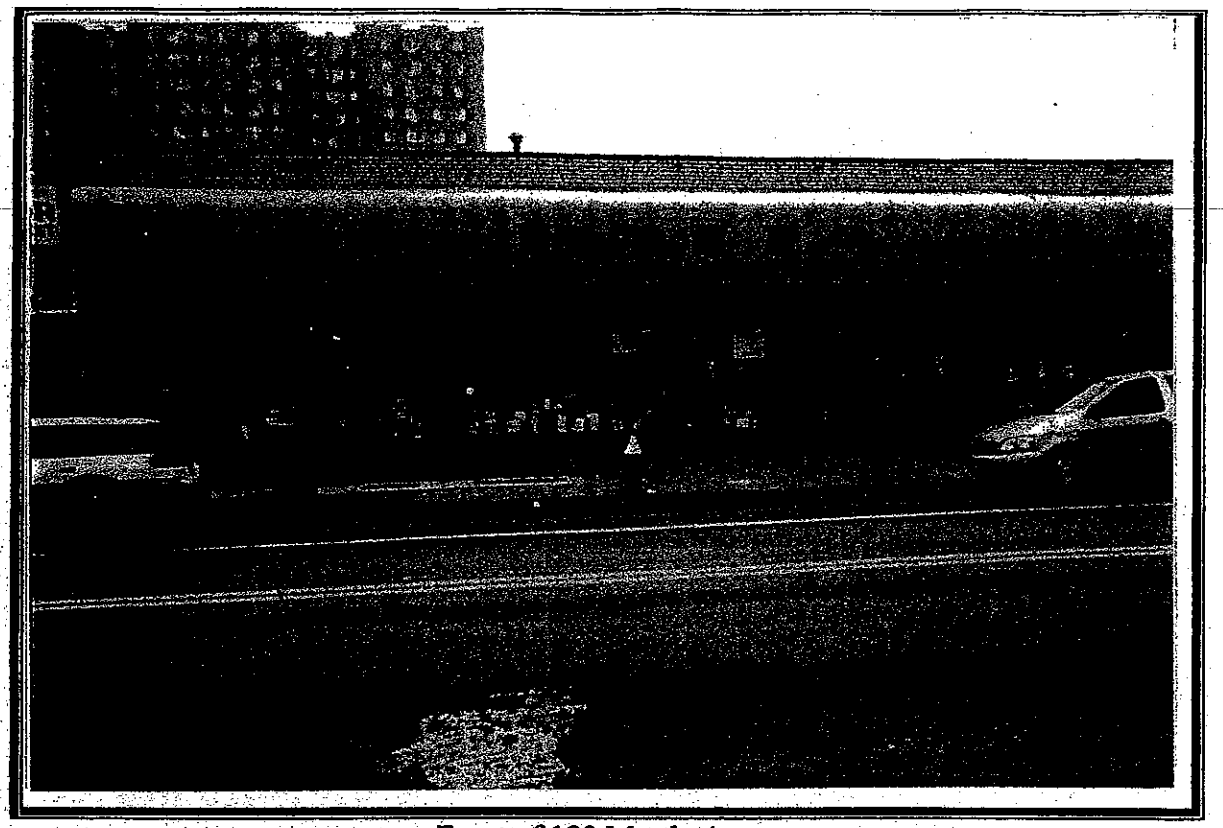
Side of 166 Myrtle Avenue from across Prince Street



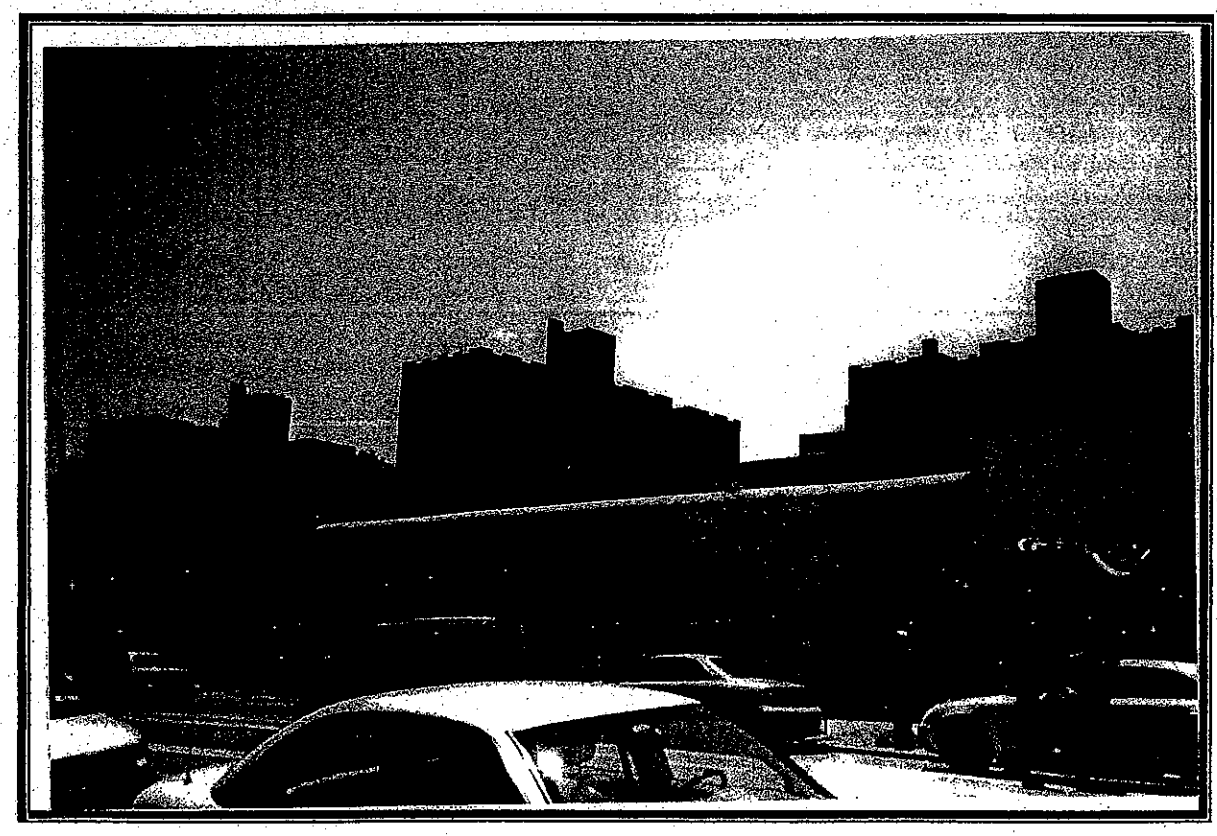
Front of 176 Myrtle Avenue



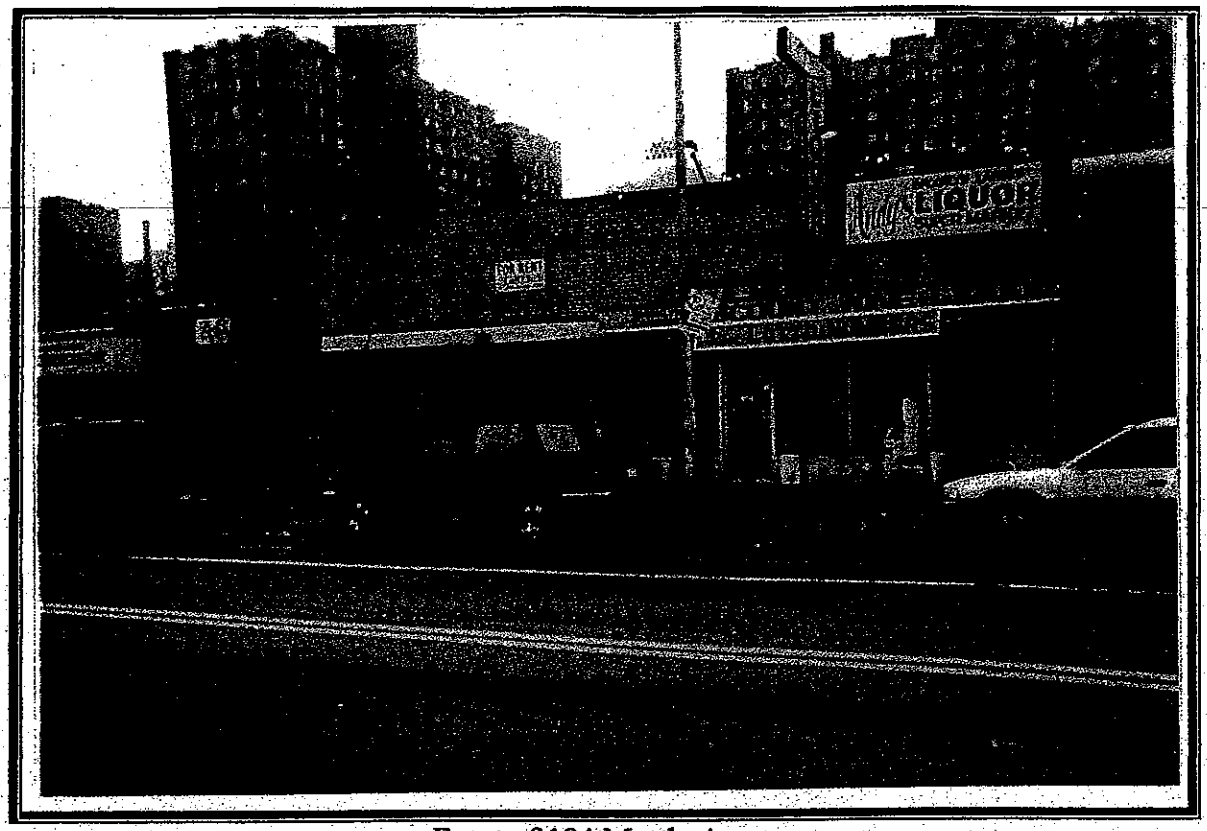
View of 176 Myrtle Avenue facing west



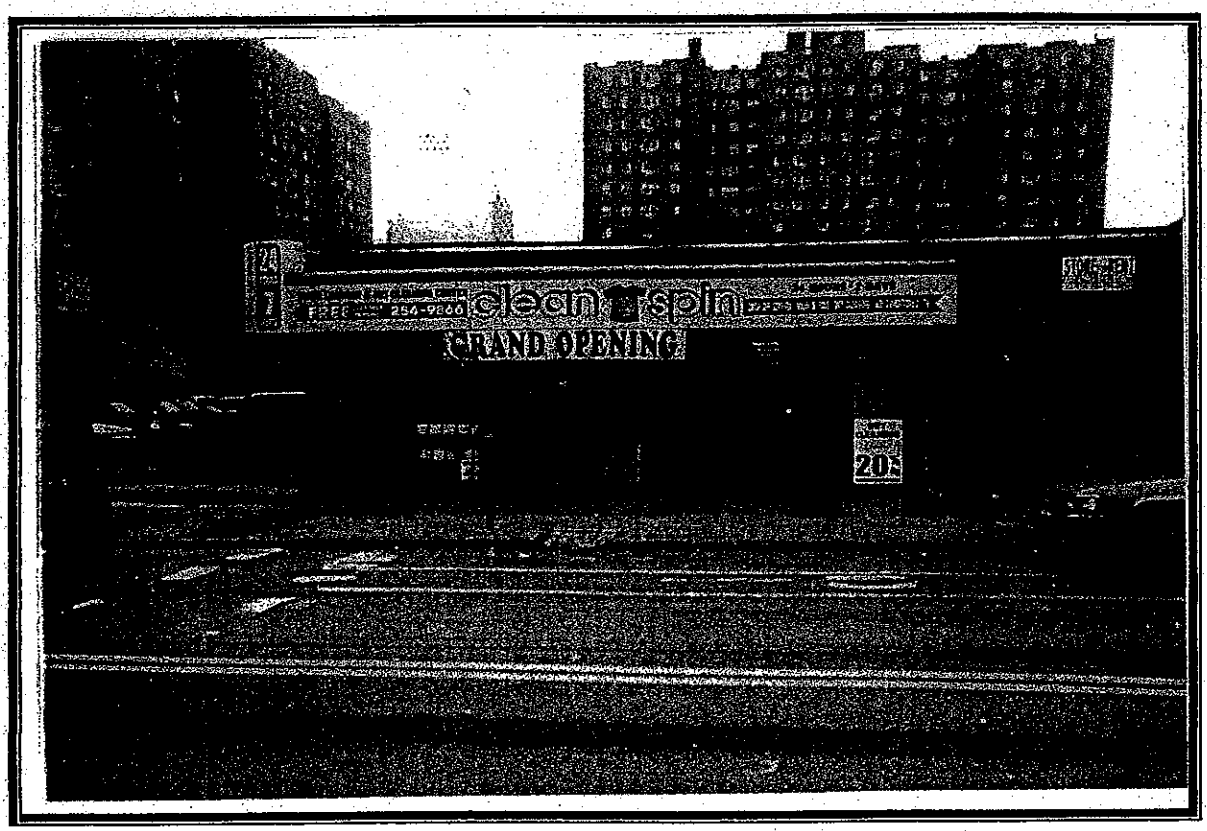
Front of 180 Myrtle Avenue



Front of 180 Myrtle Avenue



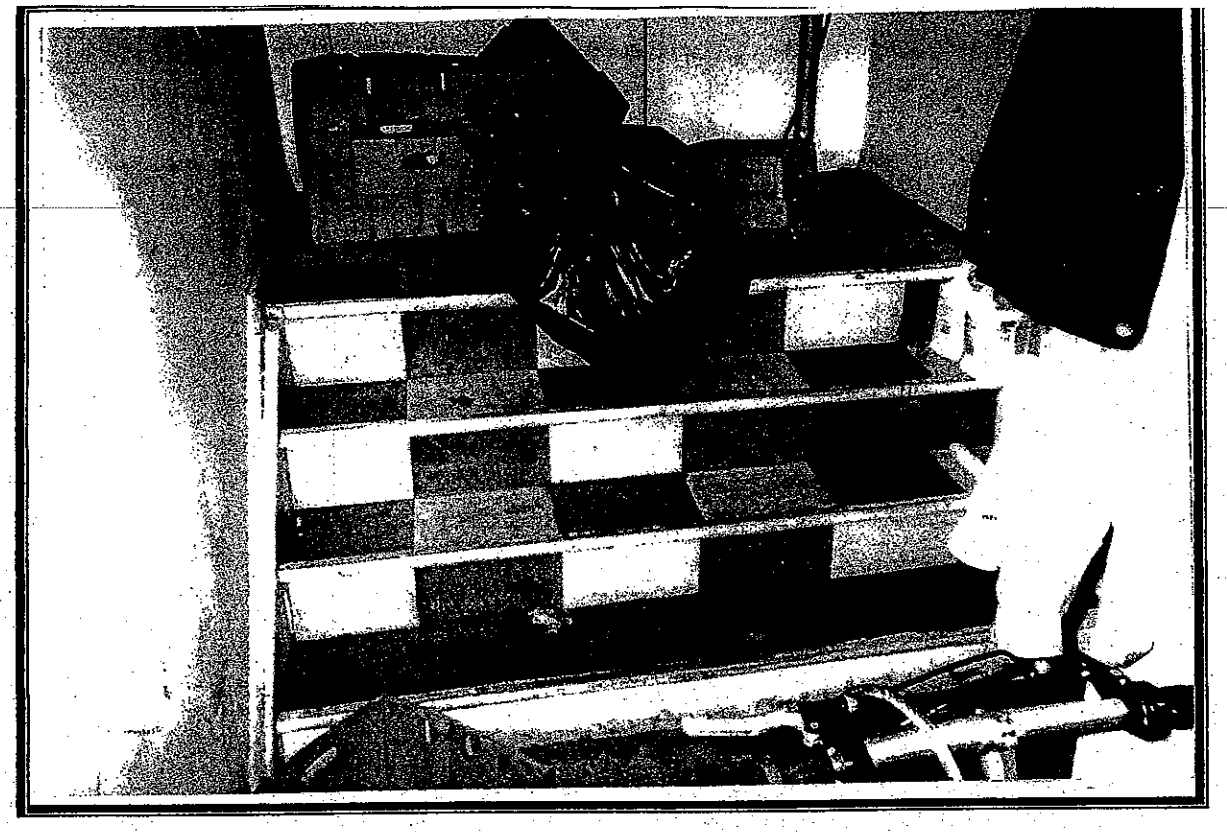
Front of 184 Myrtle Avenue



Front of 192 Myrtle Avenue

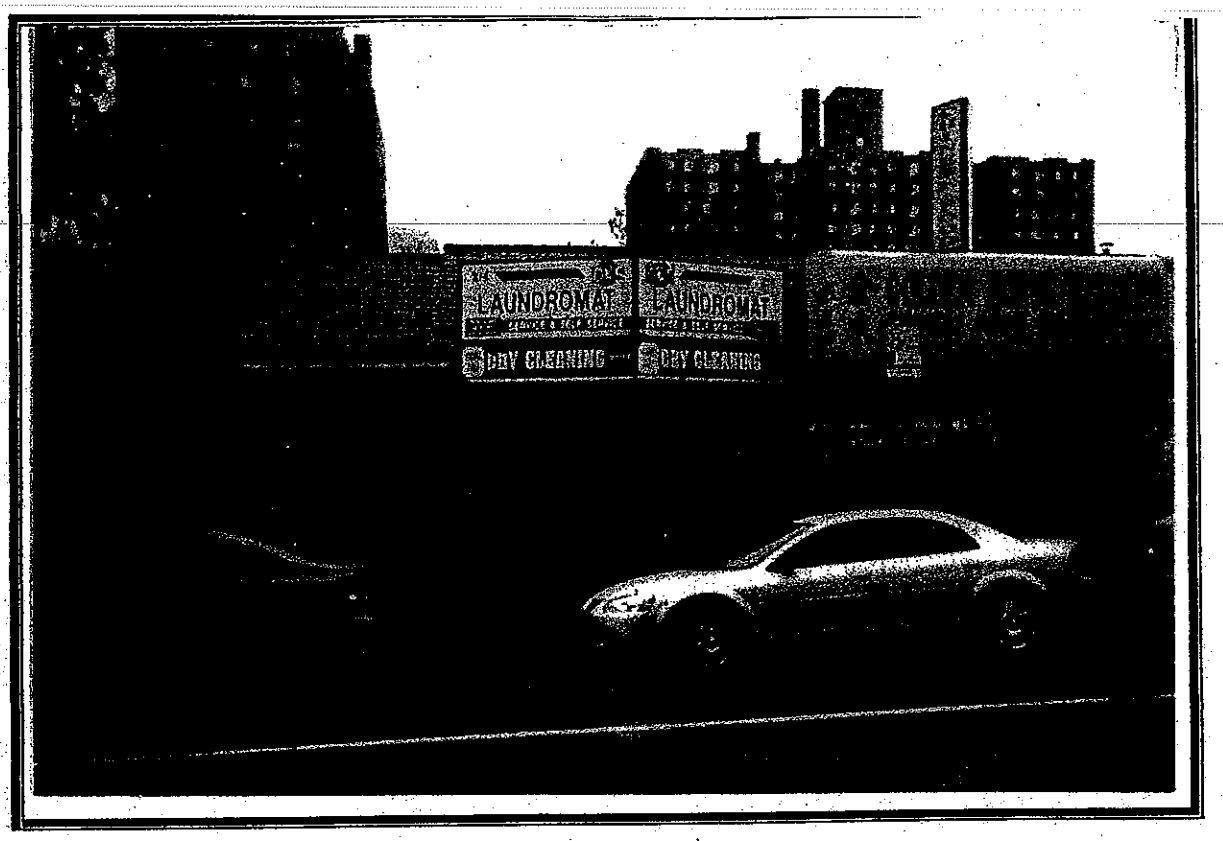
New World Food Center at 202 Myrtle Avenue

Subject Properties at 202,204,206 &208 Myrtle Avenue

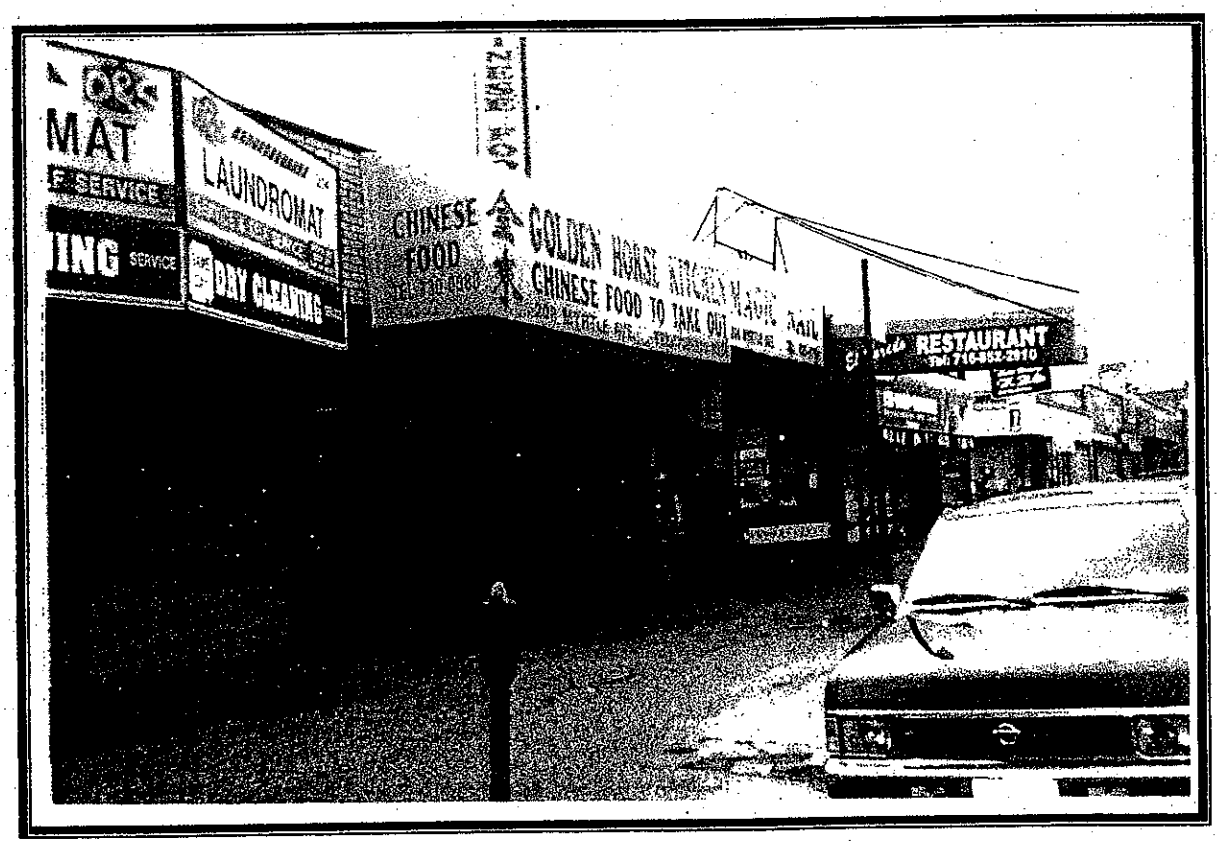


Suspect Floor Tile Located at Backroom of 204 Myrtle Avenue

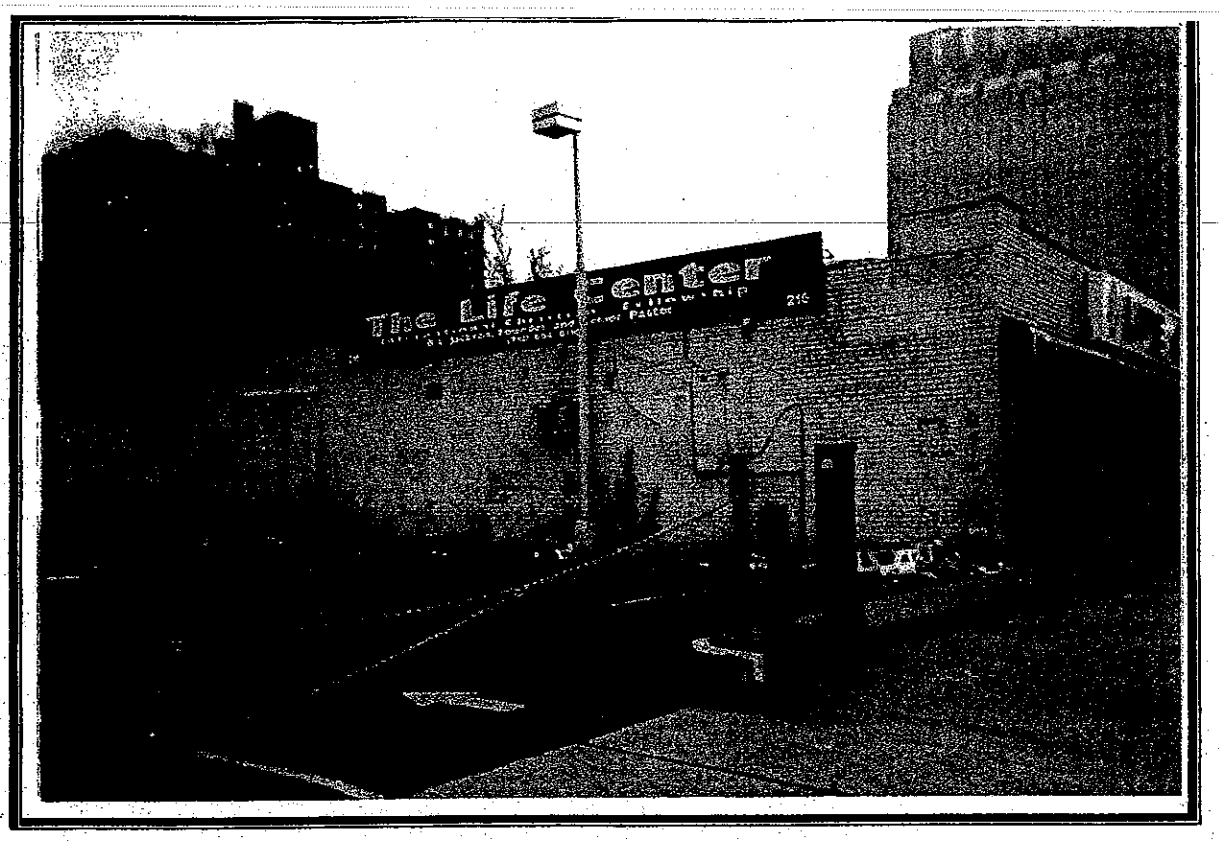
First Floor Hallway at 204 Myrtle Avenue with Suspect Floor Tile



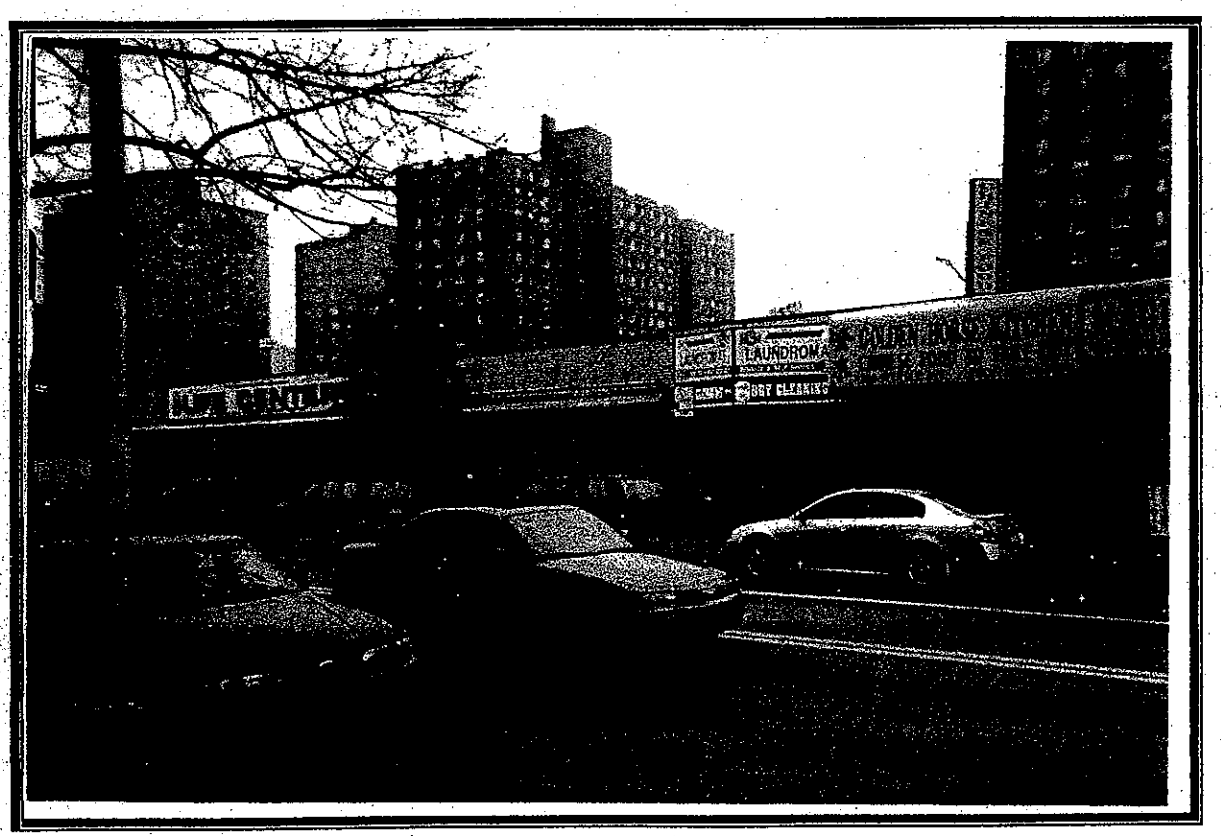
O&S Laundromat Located at 214 Myrtle Avenue



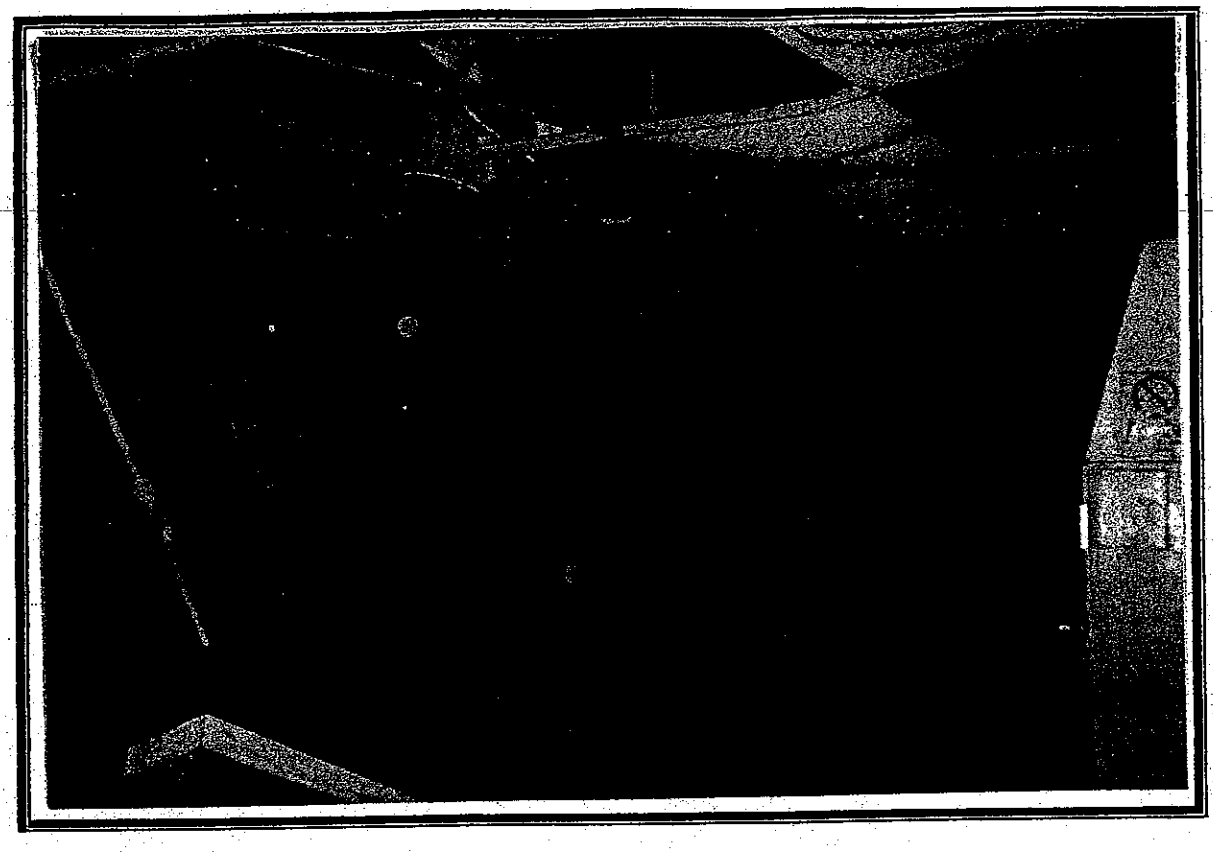
Golden Horse Kitchen Located at 208 Myrtle Avenue



Life Center at 216 Myrtle Avenue Facing South

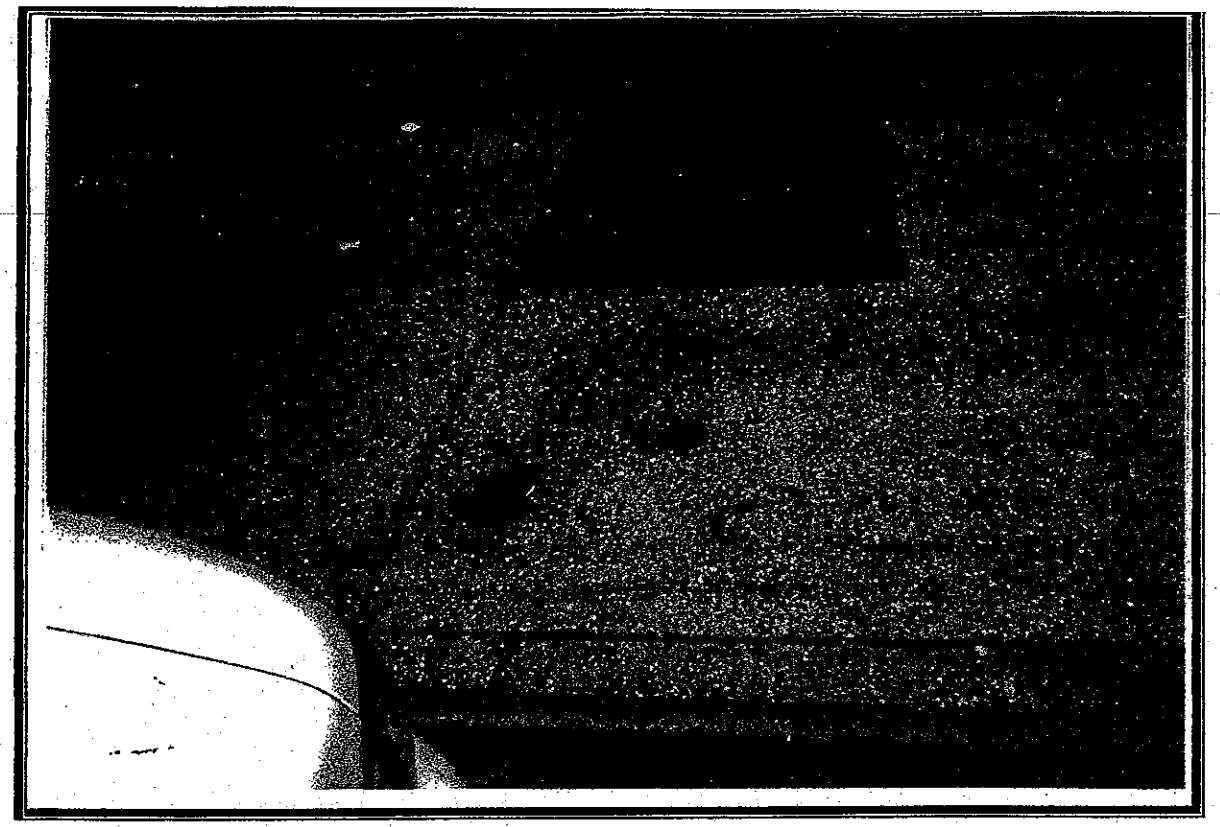


Life Center Located at 216 Myrtle Avenue Facing Northeast

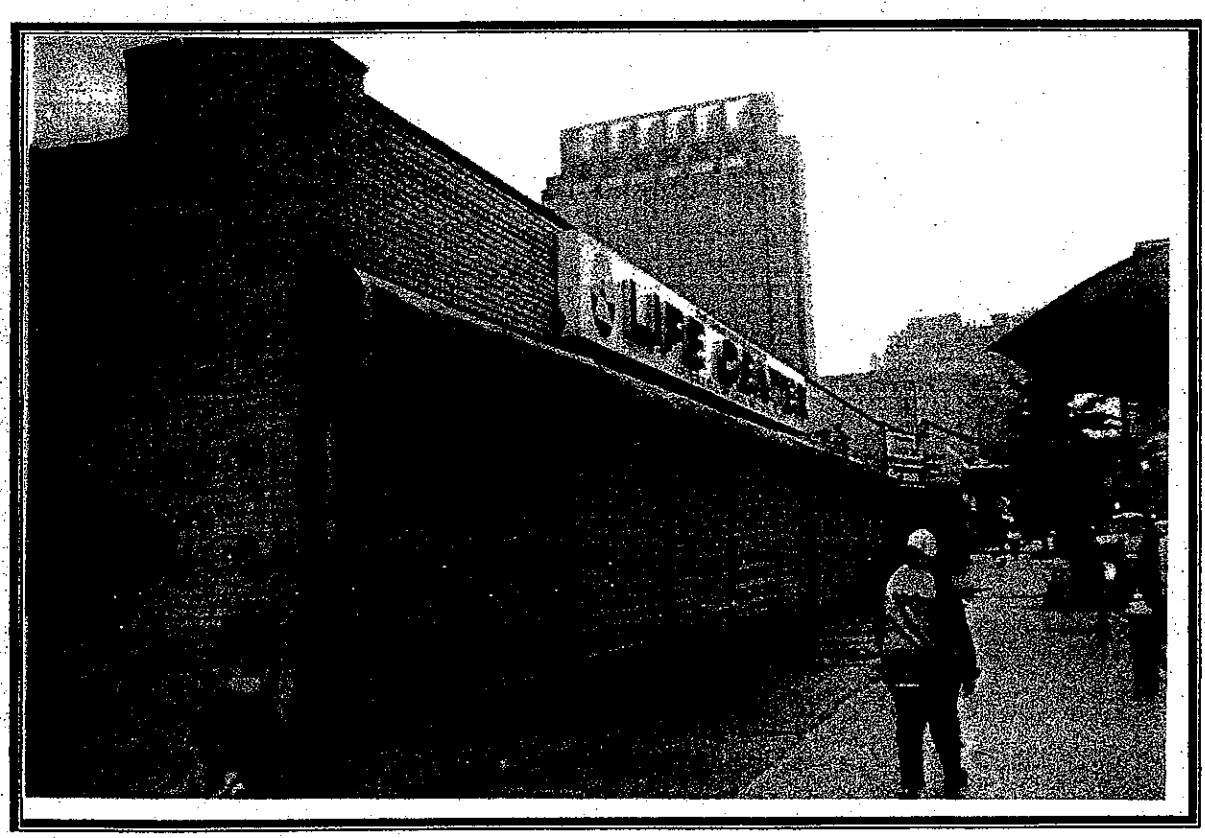


Damaged Ceiling at O&S Laundry/214 Myrtle Avenue

Suspect Floor Tile Located at O&S Laundry/214 Myrtle Avenue



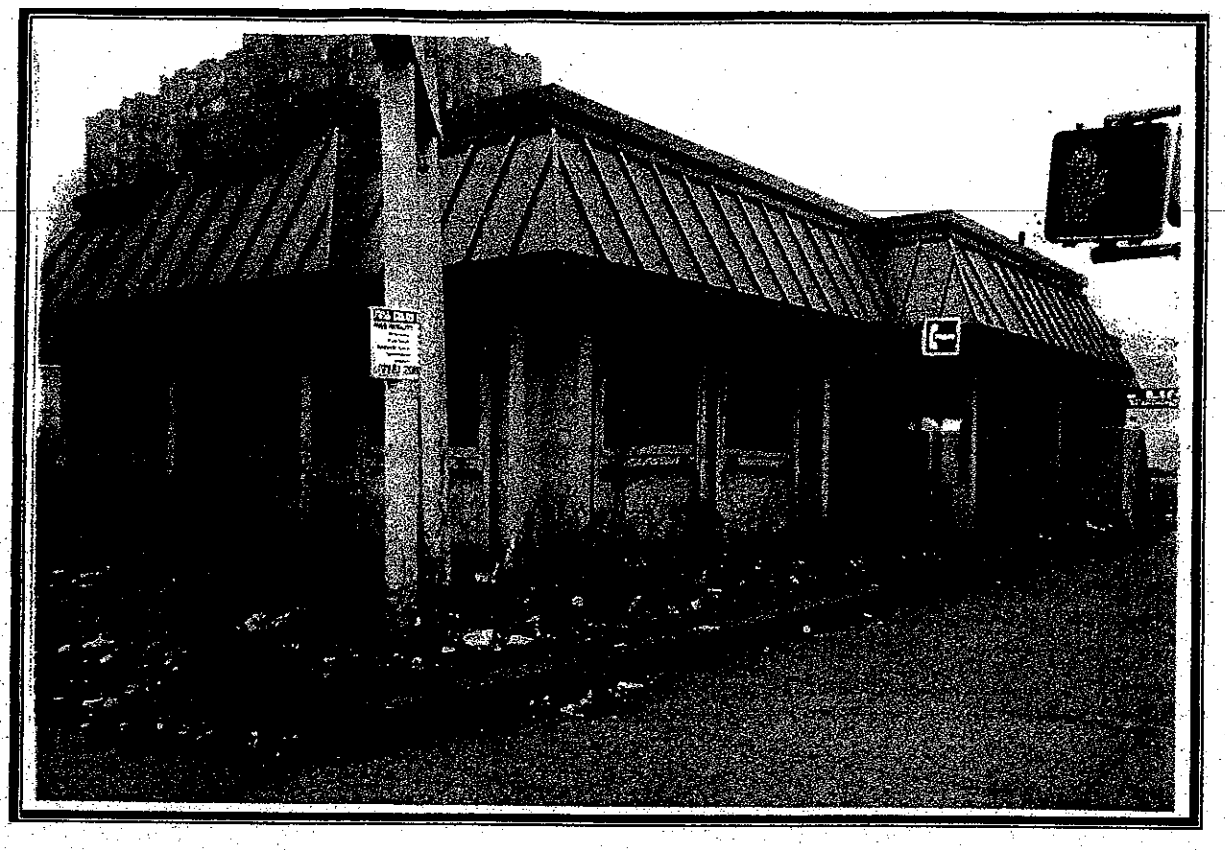
Fill Port Outside of 216 Myrtle Avenue



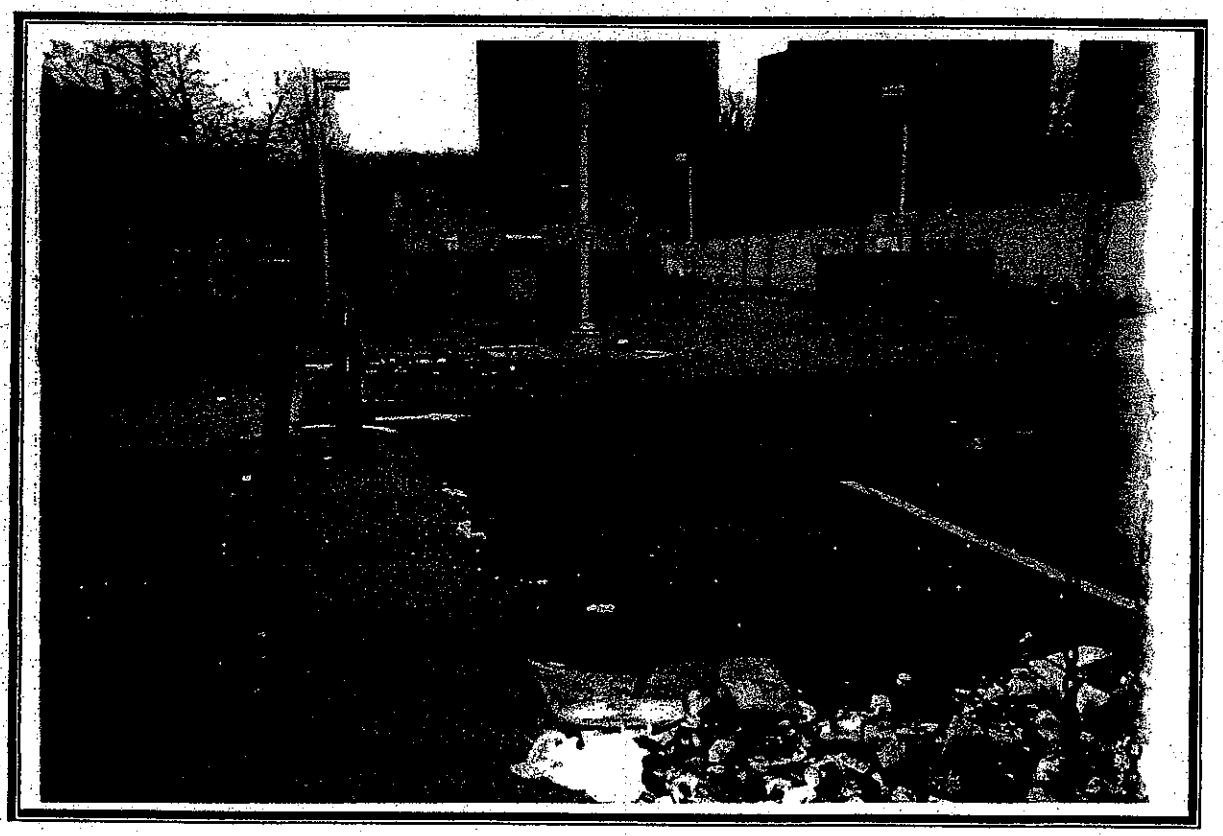
Life Center Located at 216 Myrtle Avenue

Former KFC Located at 218 Myrtle Avenue Facing East

Drive Through Area at Former KFC at 218 Myrtle Avenue



Former KFC Located at 218 Myrtle Avenue



Parking Area at Former KFC at 218 Myrtle Avenue

Hoods Inside Former KFC at 218 Myrtle Avenue

Cooking Area Inside Former KFC at 218 Myrtle Avenue

APPENDIX B:
AERIAL PHOTOGRPAHS

The EDR Aerial Photo Decade Package

Flatbush/Myrtle Ave
Flatbush/Myrtle Ave
Brooklyn, NY 11201

May 5, 2004

Inquiry Number: 1185665.5

Environmental Data Resources, Inc.

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

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

THE EDR AERIAL PHOTO DECADE PACKAGE

Environmental Data Resources, Inc.'s (EDR) Aerial Photo Decade Package is a screening tool designed to assist professionals in evaluating potential liability on a target property resulting from past activities.

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

EDR has one of the nation's largest collections of historical aerial photography. EDR's Aerial Photo Decade Package provides digitally reproduced historical aerial photographs and includes one photo per decade, where available.

Please call EDR Nationwide Customer Service at
1-800-352-0050 (8am-8pm EST)
with questions or comments about this report.
Thank you for your business!

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Date EDR Searched Historical Sources:
Aerial Photography May 05, 2004

Target Property:
Flatbush/Myrtle Ave
Brooklyn, NY 11201

PUR ID		*Portion-Findings*	
Year	***Uses***	***(FIM Information Only)***	***Source***
1953	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-F8/FlightDate: December 5, 1953	nar
1966	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-F8/FlightDate: February 23, 1966	nar
1975	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-F8/FlightDate: April 1, 1975	nar
1984	Aerial Photograph. Scale: 1"=750'	Panel #: 2440073-F8/FlightDate: April 27, 1984	nar
1994	Aerial Photograph. Scale: 1"=833'	Panel #: 2440073-F8/FlightDate: April 4, 1994	nar

APPENDIX C:
SANBORN MAP REPORT

EDR™ Environmental Data Resources Inc

"Linking Technology with Tradition"

Sanborn® Map Report

Ship To: Brian Pendergast
American Env. Solutions
100 Carlton Avenue
Central Islip, NY 11722

Order Date: 5/5/2004 **Completion Date:** 5/5/2004
Inquiry #: 1185665.3S
P.O. #: NA
Site Name: Flatbush/Myrtle Ave
Address: Flatbush/Myrtle Ave
City/State: Brooklyn, NY 11201
Cross Streets:

Customer Project: NA
4014854BRA 631-348-1702

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

1887 - 2 Maps	1980 - 1 Map	1992 - 1 Map
1904 - 1 Map	1981 - 1 Map	1993 - 1 Map
1915 - 1 Map	1982 - 1 Map	1995 - 1 Map
1938 - 1 Map	1986 - 1 Map	1996 - 1 Map
1950 - 1 Map	1987 - 1 Map	
1969 - 1 Map	1988 - 1 Map	
1977 - 1 Map	1989 - 1 Map	
1979 - 1 Map	1991 - 1 Map	

Limited Permission to Photocopy Total Maps: 21

American Env. Solutions (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

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Electronic Sanborn Map Images
USER'S GUIDE

Thank you for your interest in electronic Sanborn Map images. The following are guidelines for accessing the images and for transferring them to your system. If you have any questions about the use of electronic Sanborn Map images, contact your EDR Account Executive at 1-800-352-0050.

Organization of Electronic Sanborn Image File

- First Page — Sanborn Map Report, listing years of coverage
- Second Page — Electronic Sanborn Map Images USER'S GUIDE
- Third Page — Oldest Sanborn Map Image
- Last Page — Most recent Sanborn Map Image

Navigating the Electronic Sanborn Image File

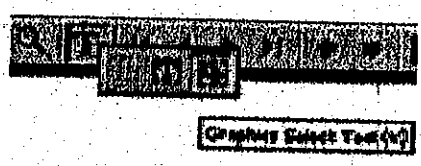
- Open file on screen.
- Identify TP (Target Property) on the most recent map.
- Find TP on older printed images.
- Using Acrobat, zoom to 250% in order to view more clearly.
  - 200-250% is the approximate equivalent scale of hardcopy Sanborn Maps.
- Zooming in on an image:
  - On the menu bar, click "View" and then zoom.
  - Use the magnifying tool and drag a box around the TP area.

Printing a Sanborn Map from the Electronic File

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

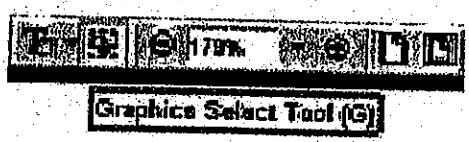
Acrobat Version 4

- Go to the Menu bar
- Press and hold the "T" button
- Choose the Graphics Select Tool
- Draw a box around the area selected
- Go to "Menu"
- Hightlight "Edit"
- Hightlight "Copy"
- Go to a word processor such as Microsoft Word, paste and print.



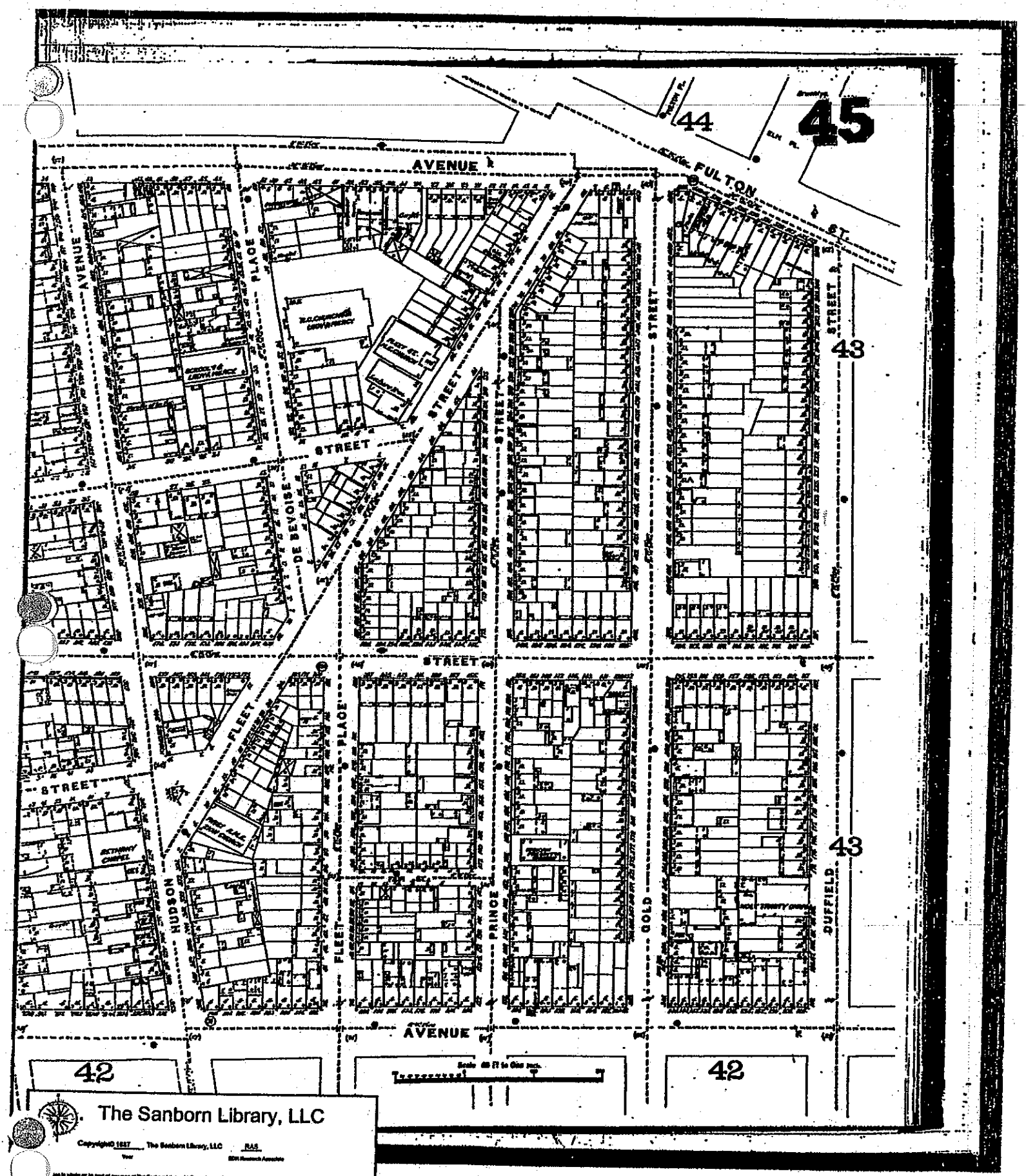
Acrobat Version 5

- Go to the Menu bar
- Click the "Graphics Select Tool"
- Draw a box around the area selected
- Go to "Menu"
- Highlight "Edit"
- Highlight "Copy"
- Go to a word processor such as Microsoft Word, paste and print.



Important Information about Email Delivery of Electronic

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



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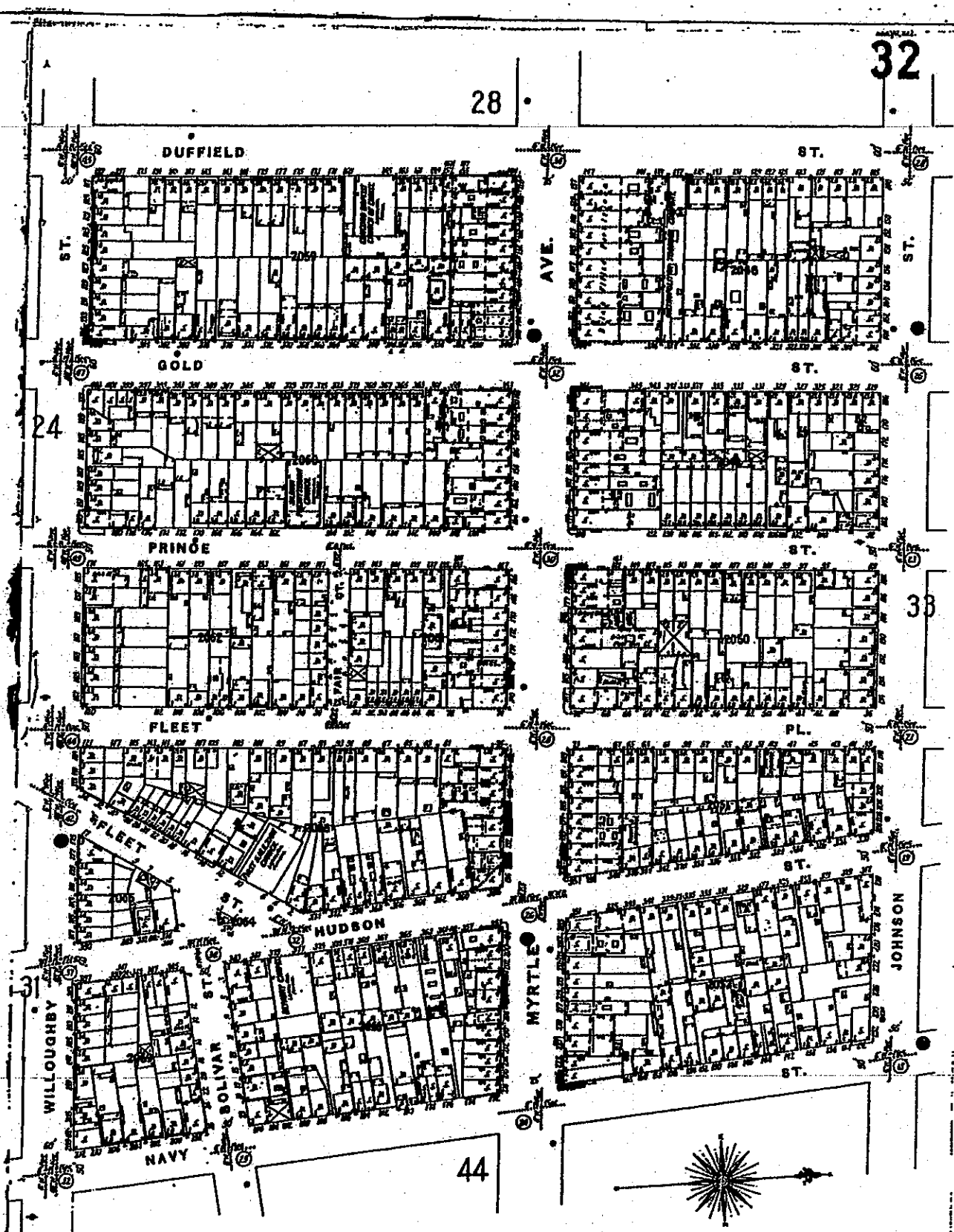

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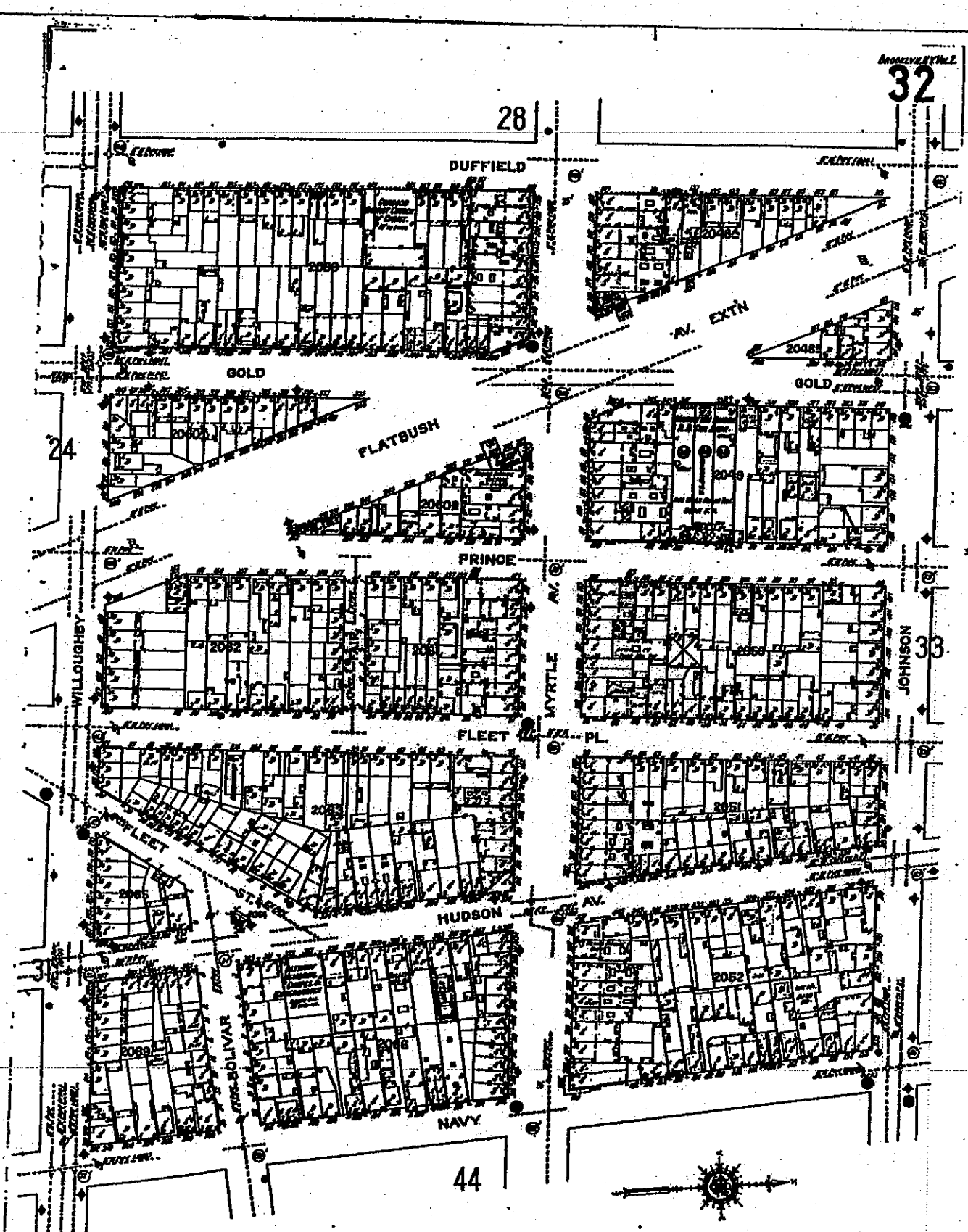

Scale 50 Ft. to One Inch.

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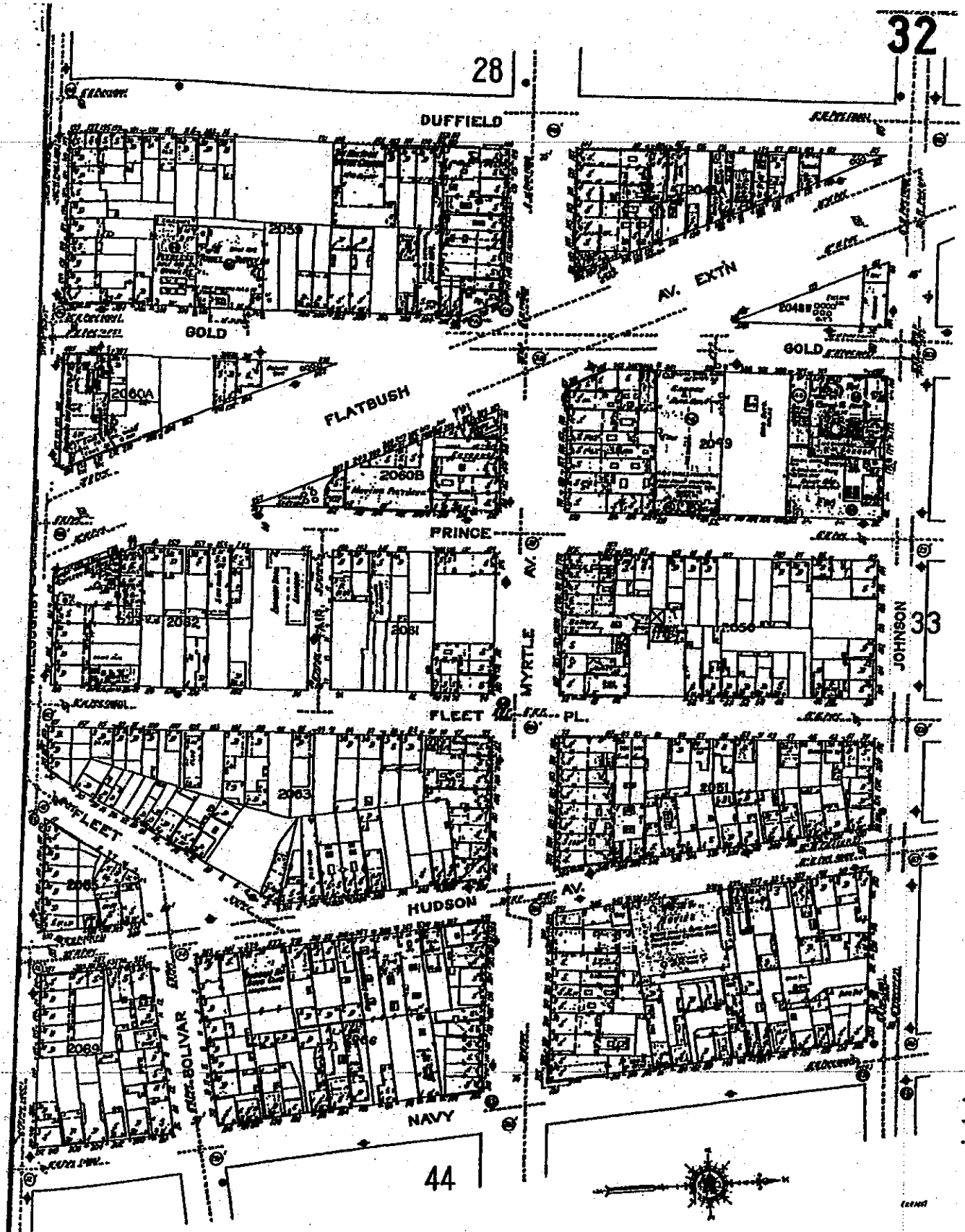

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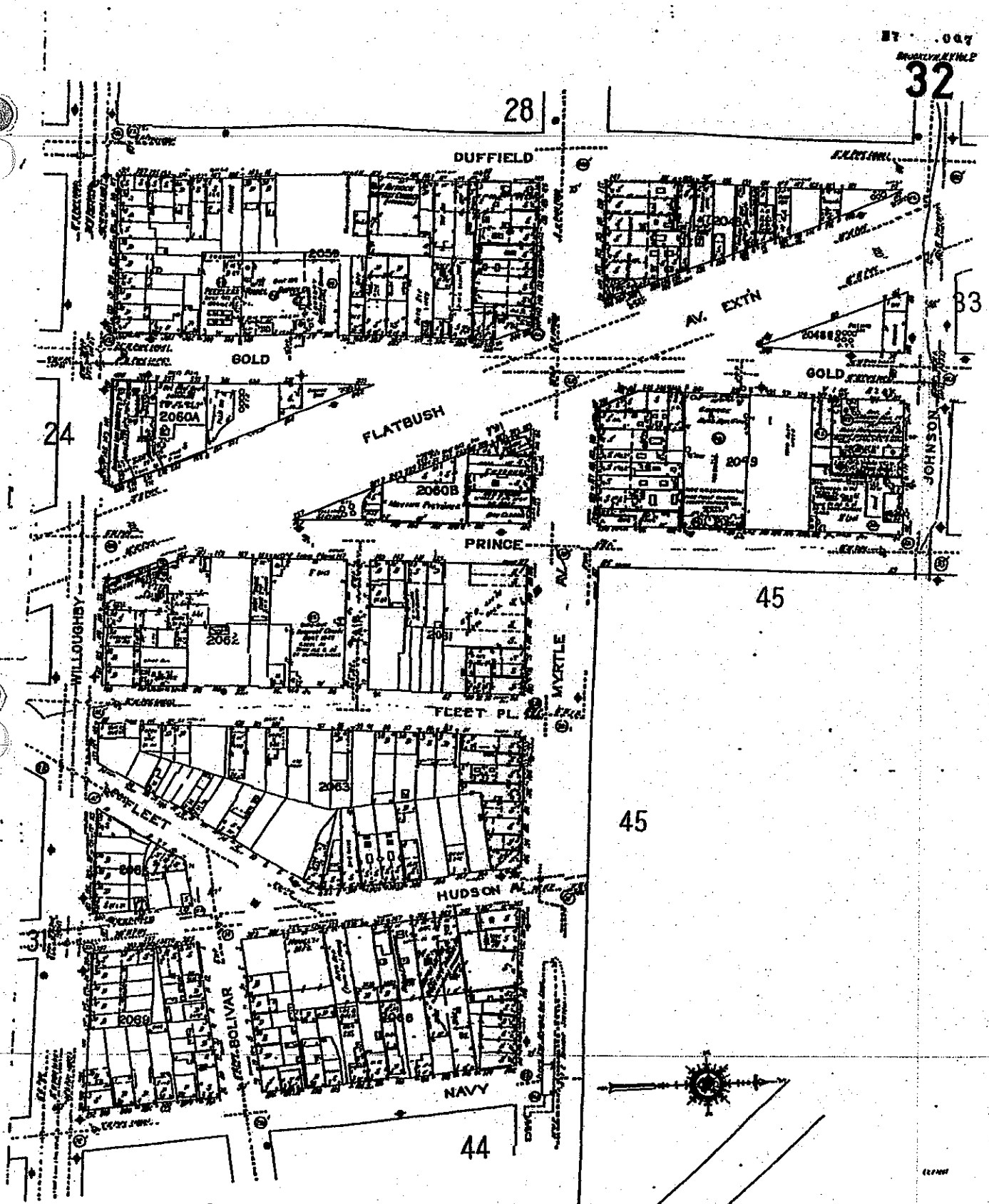

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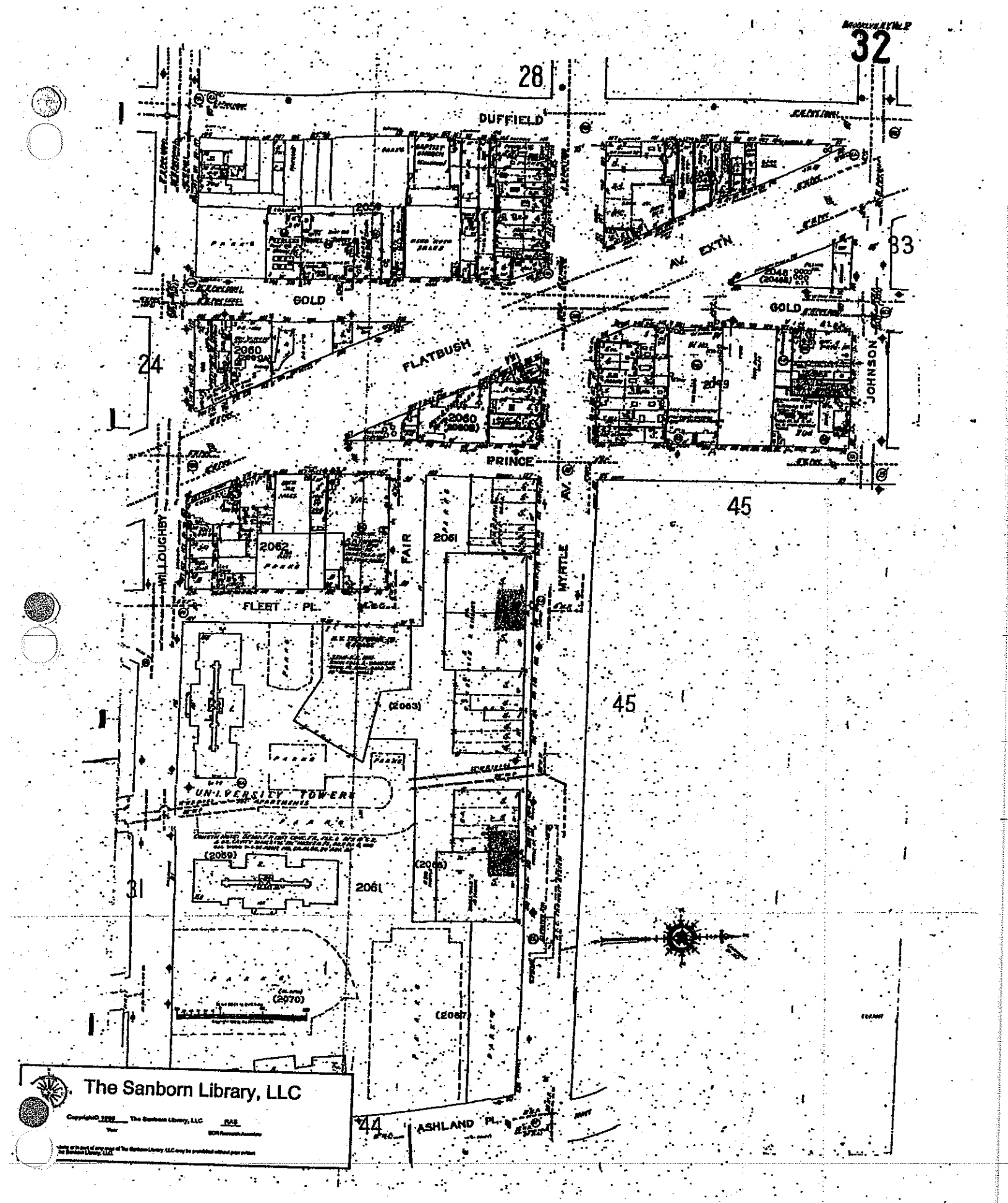
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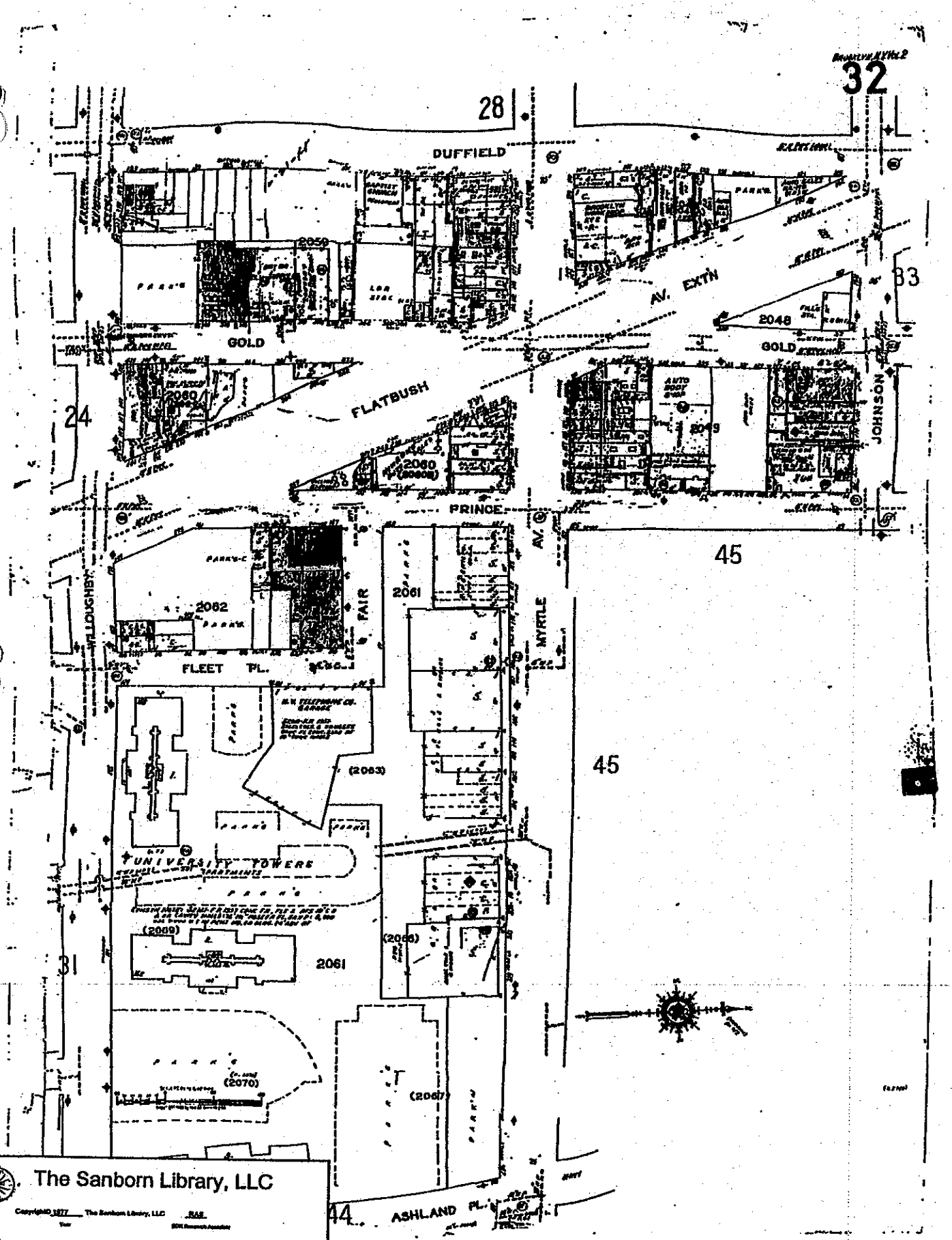

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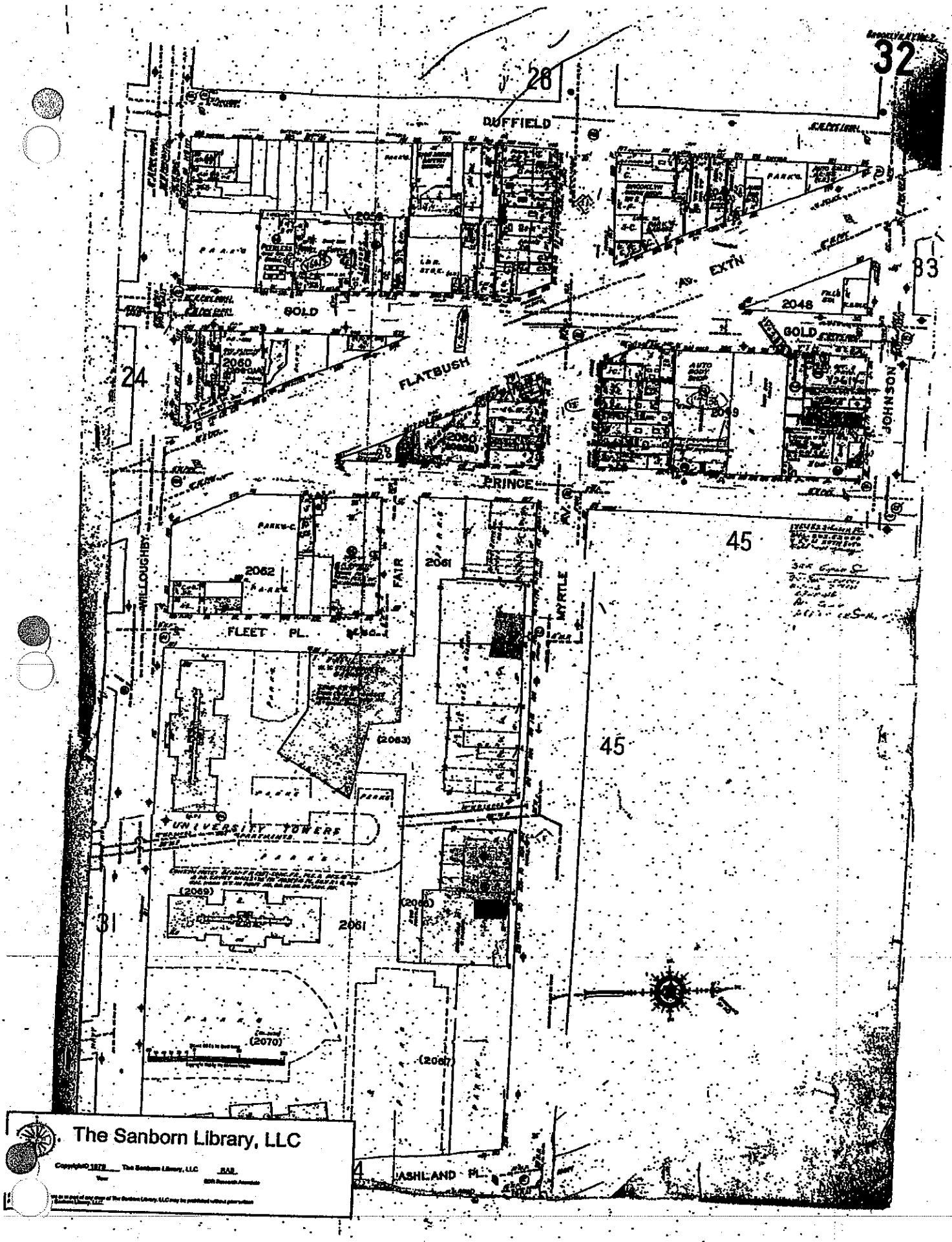

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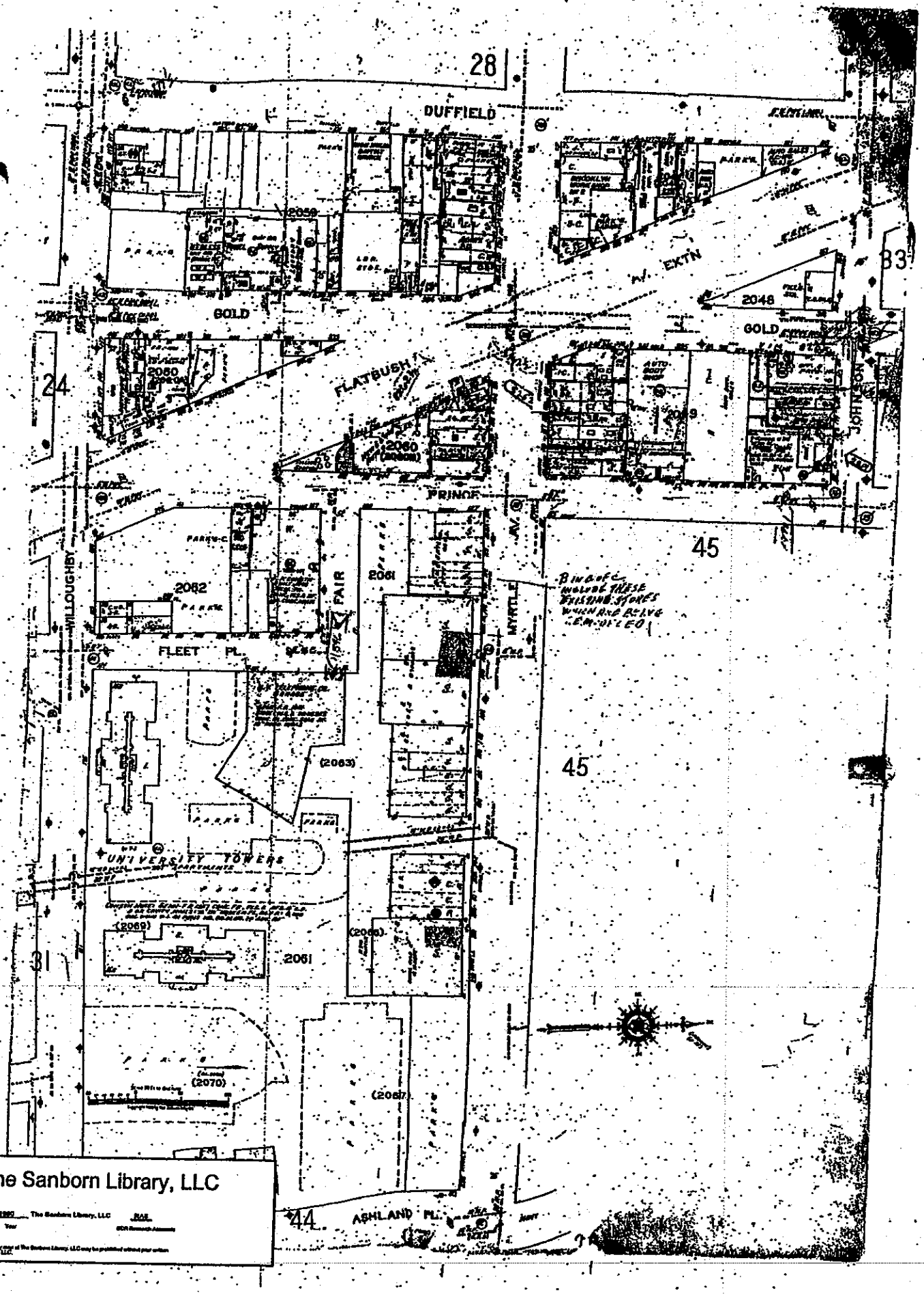

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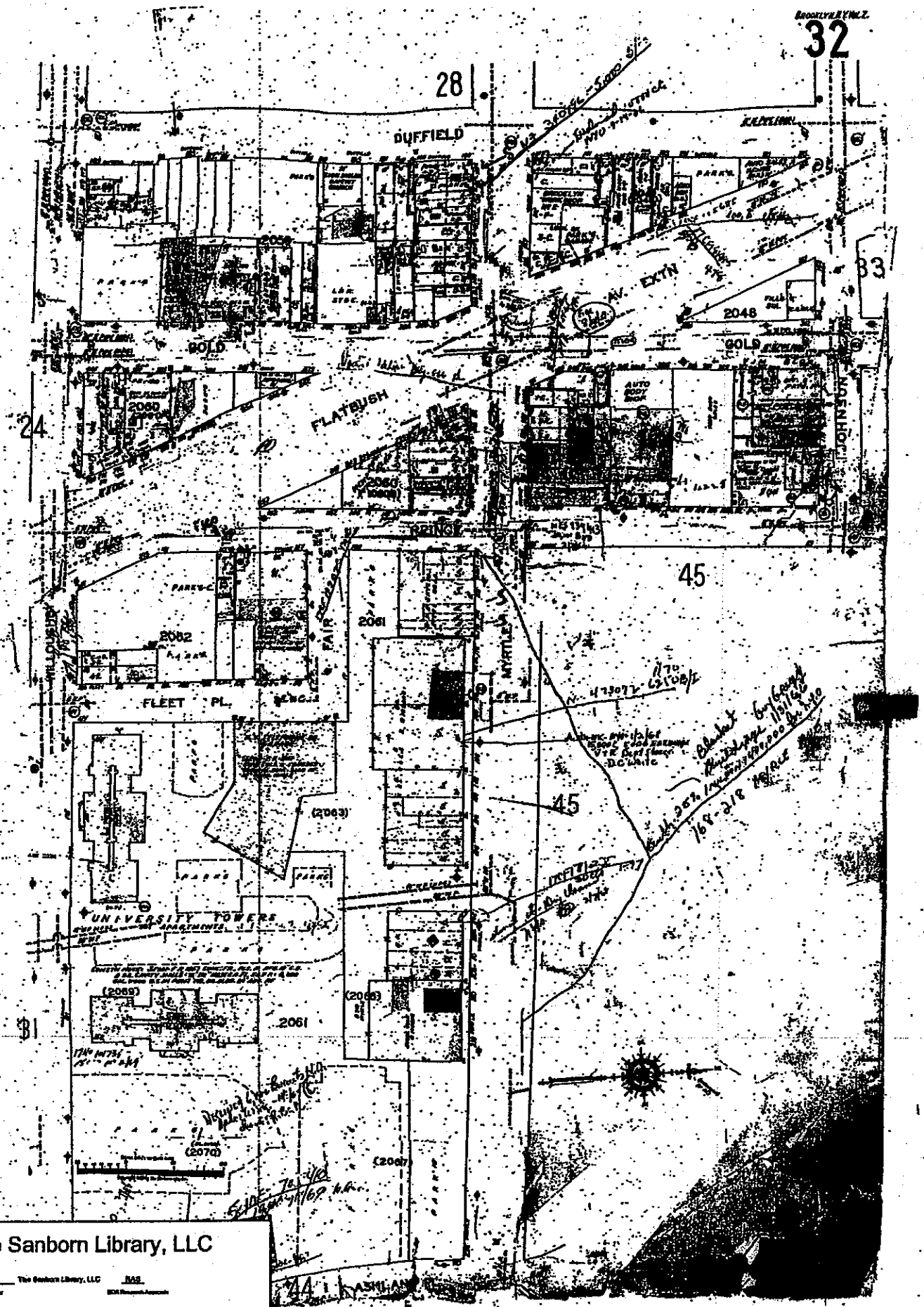

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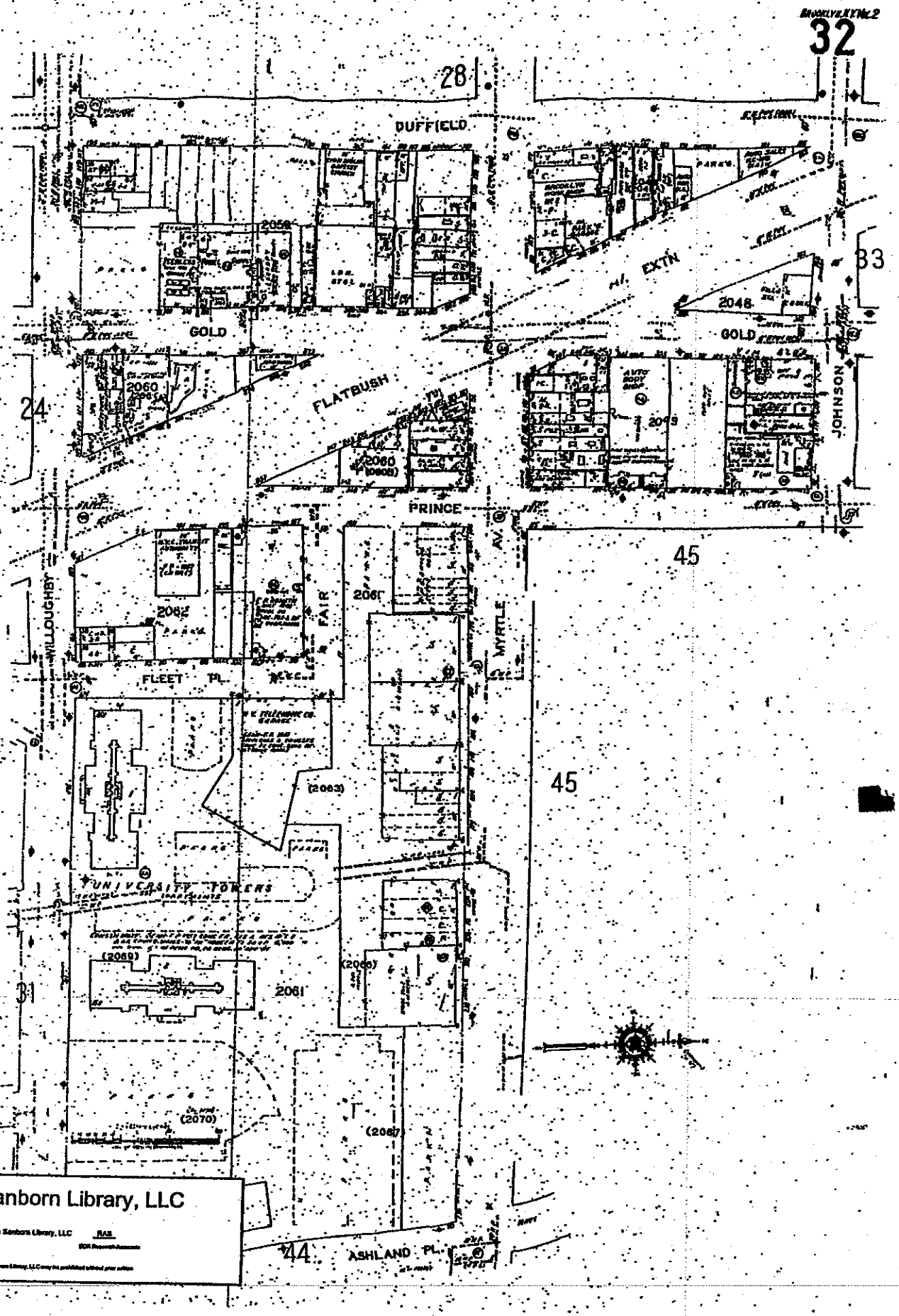

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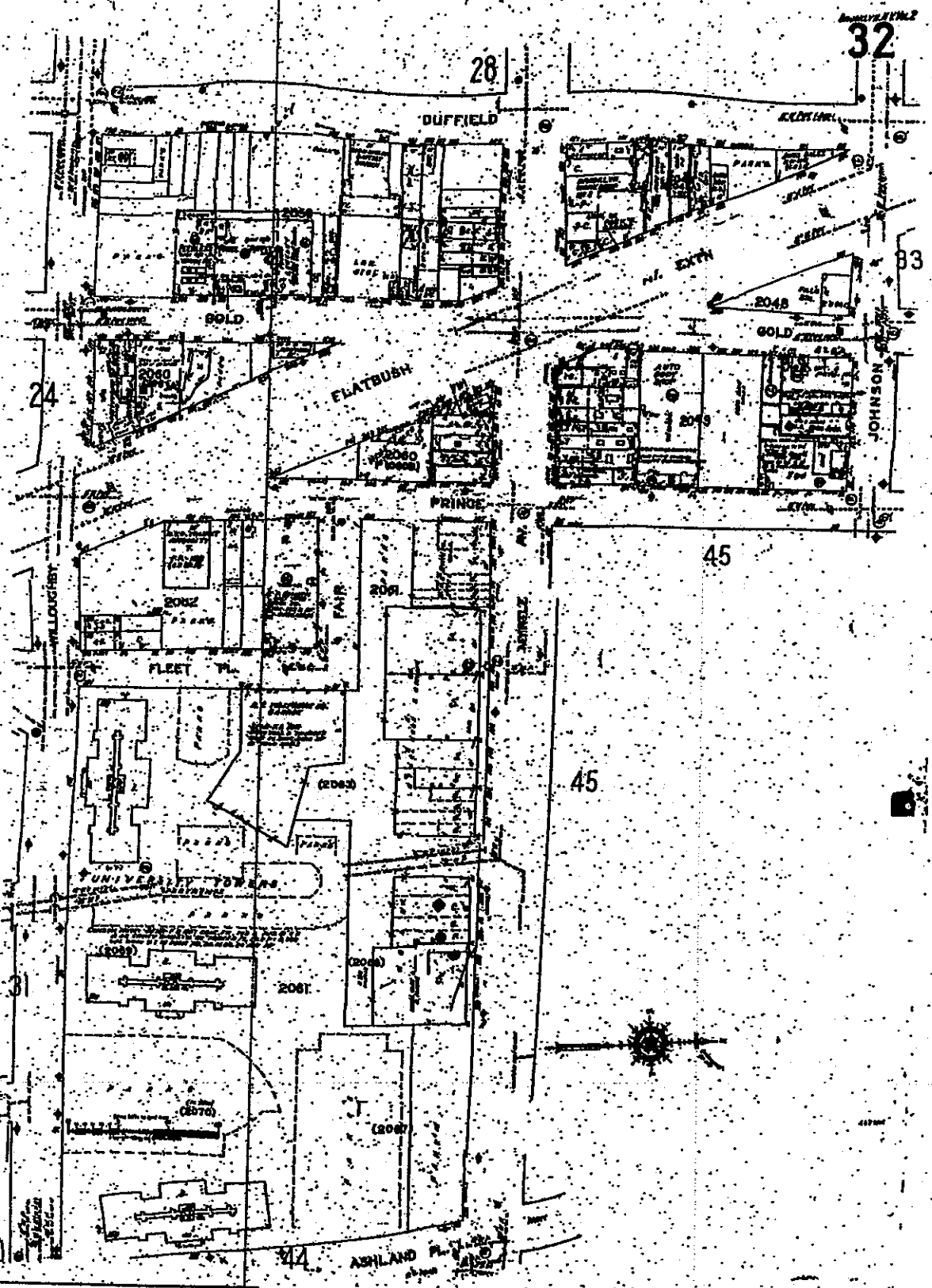

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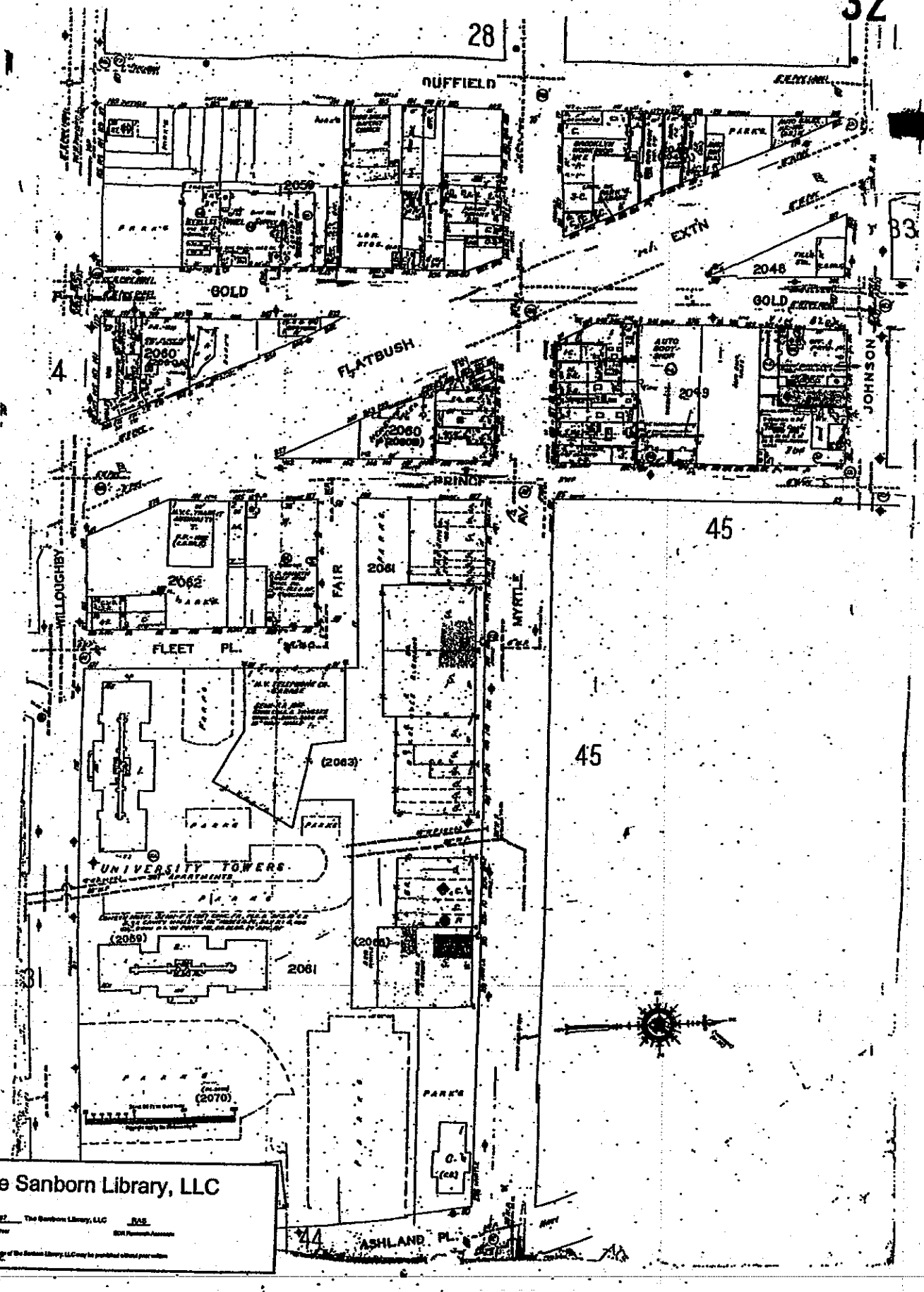

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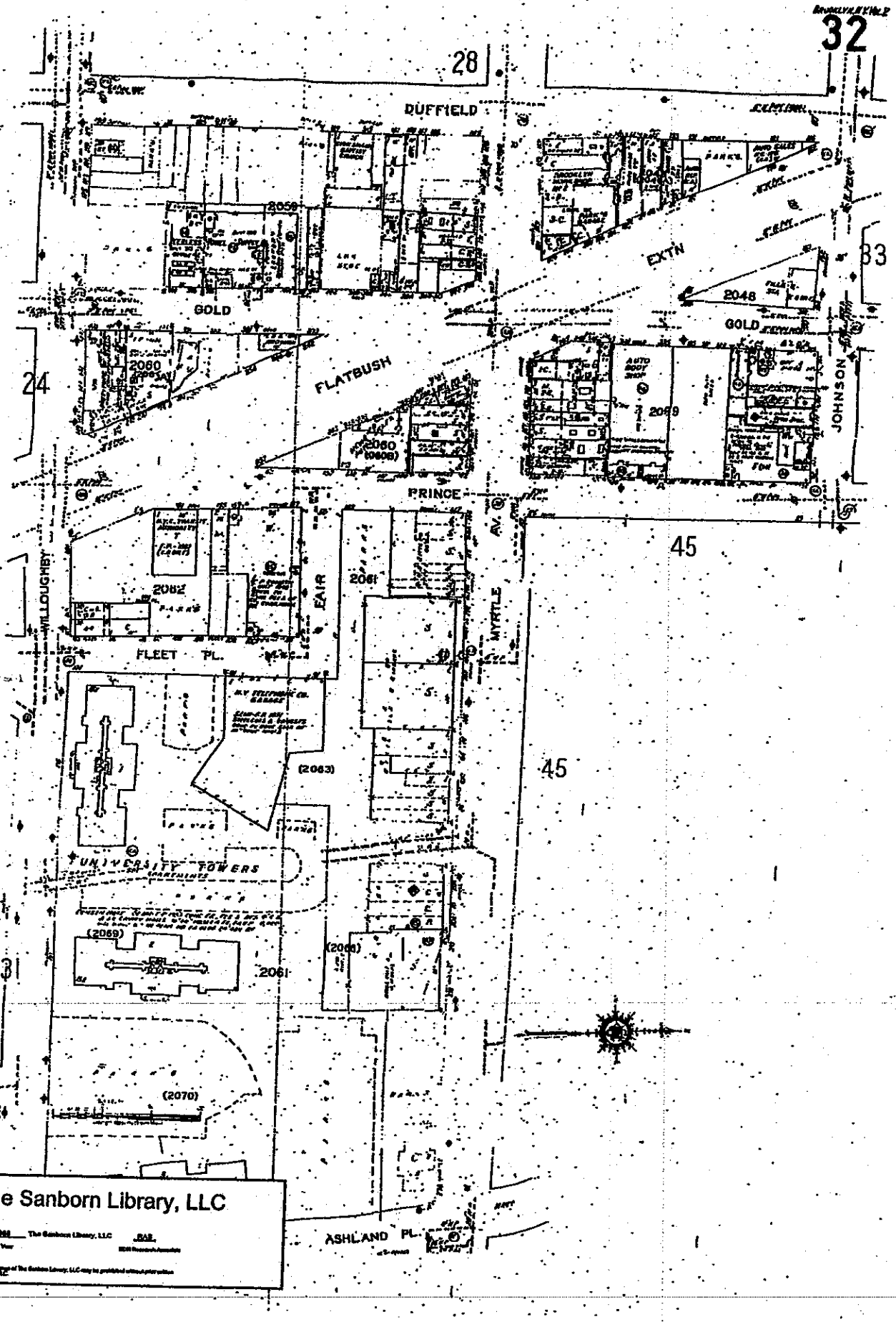

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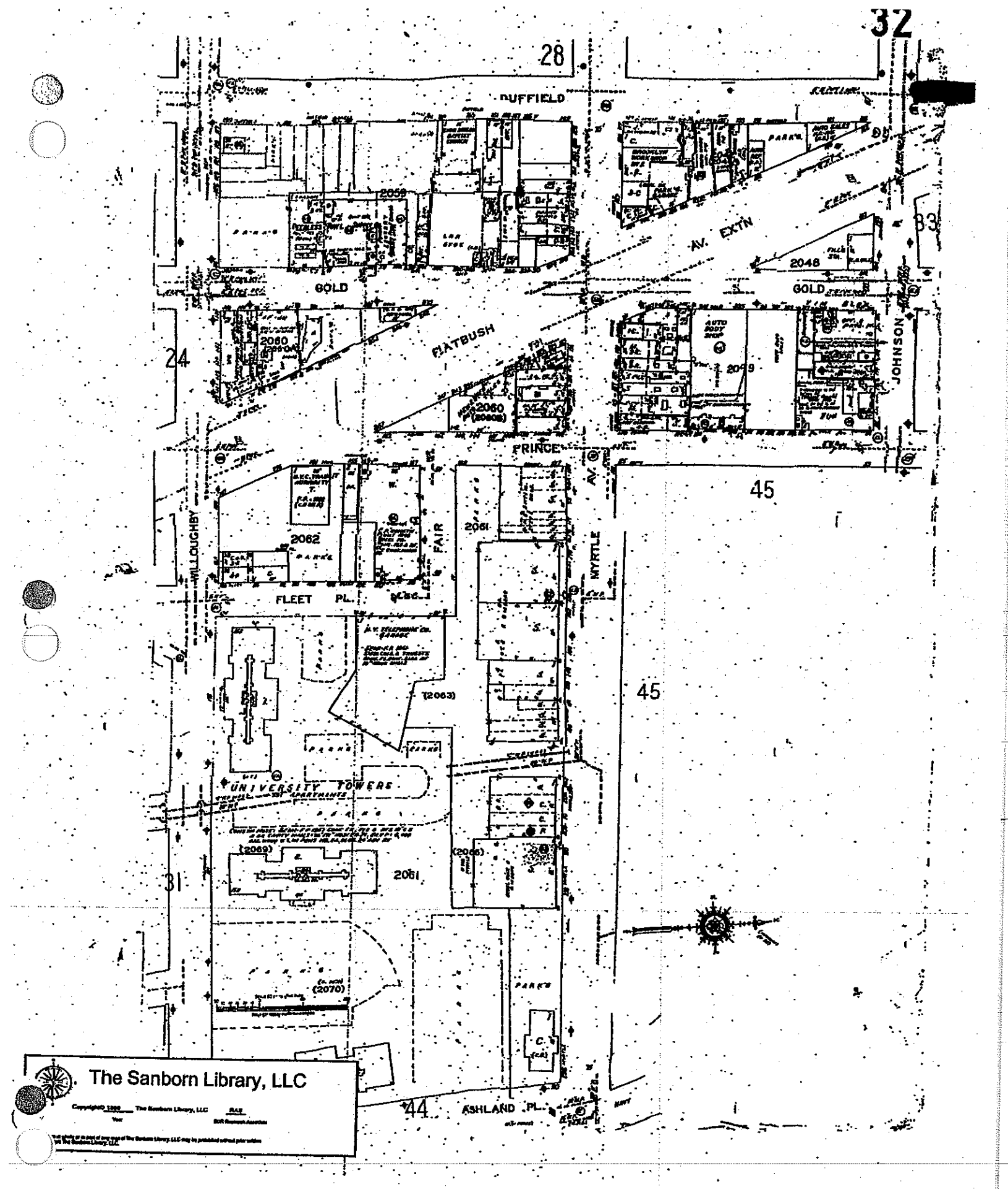

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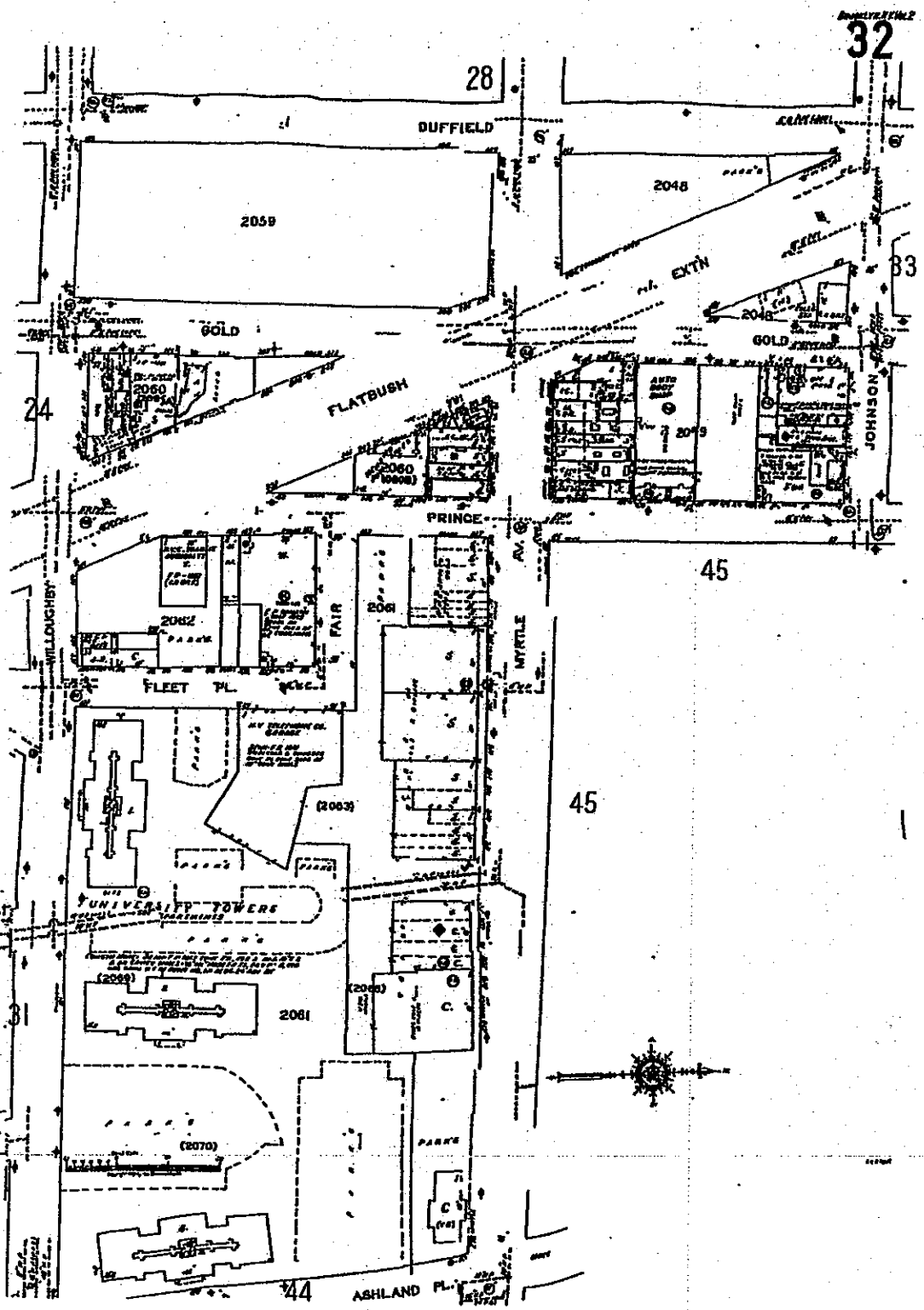

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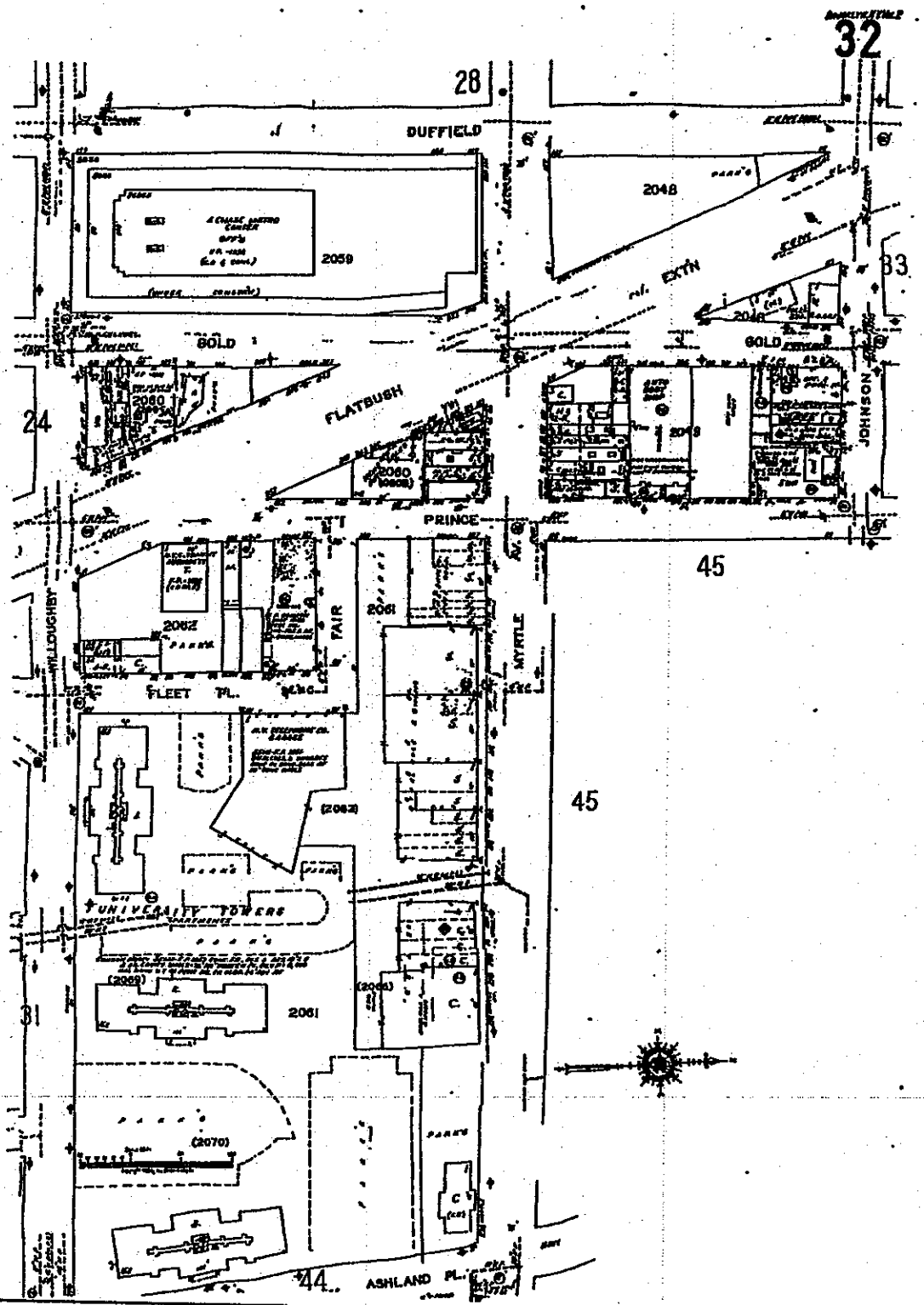

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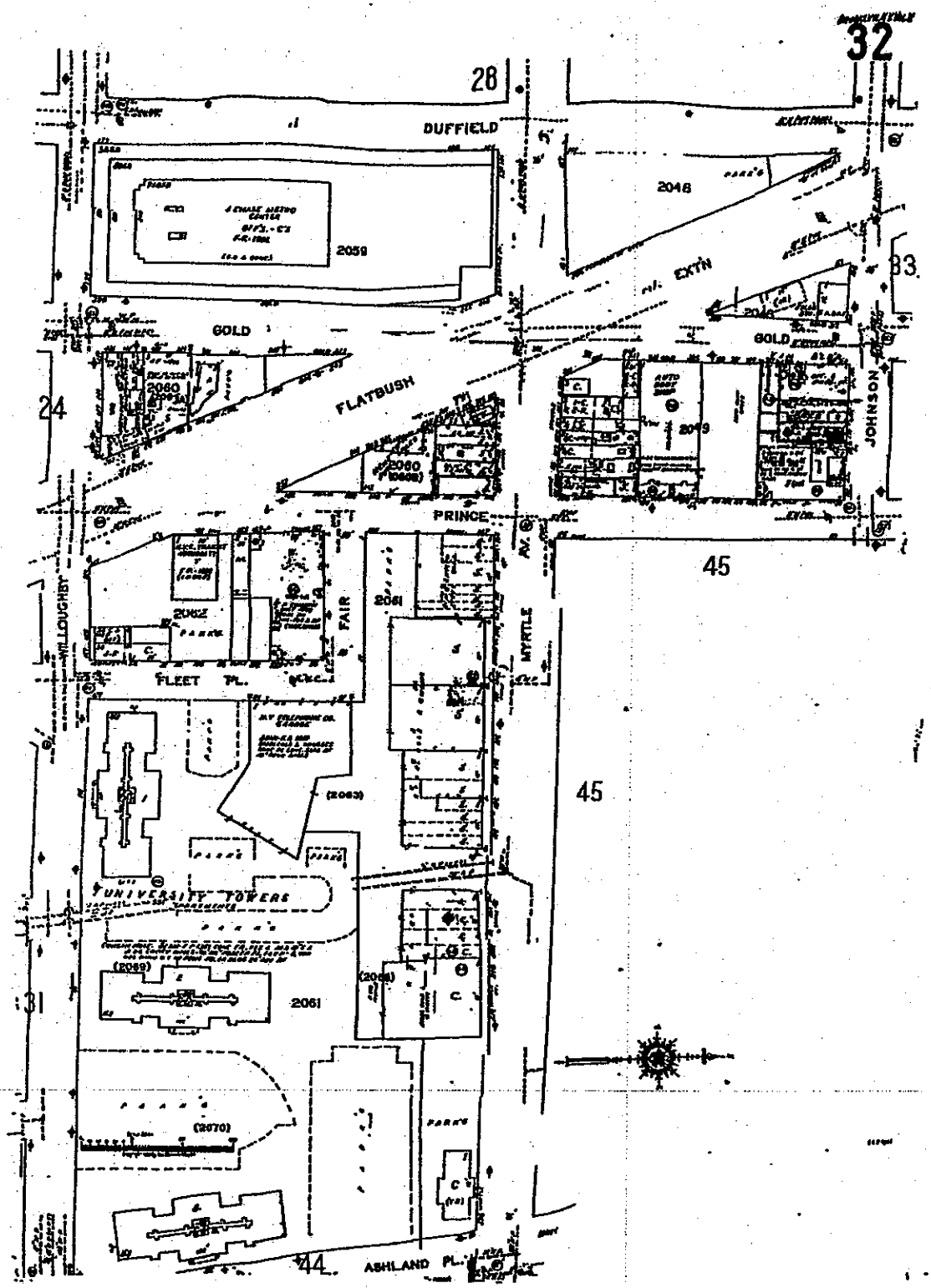

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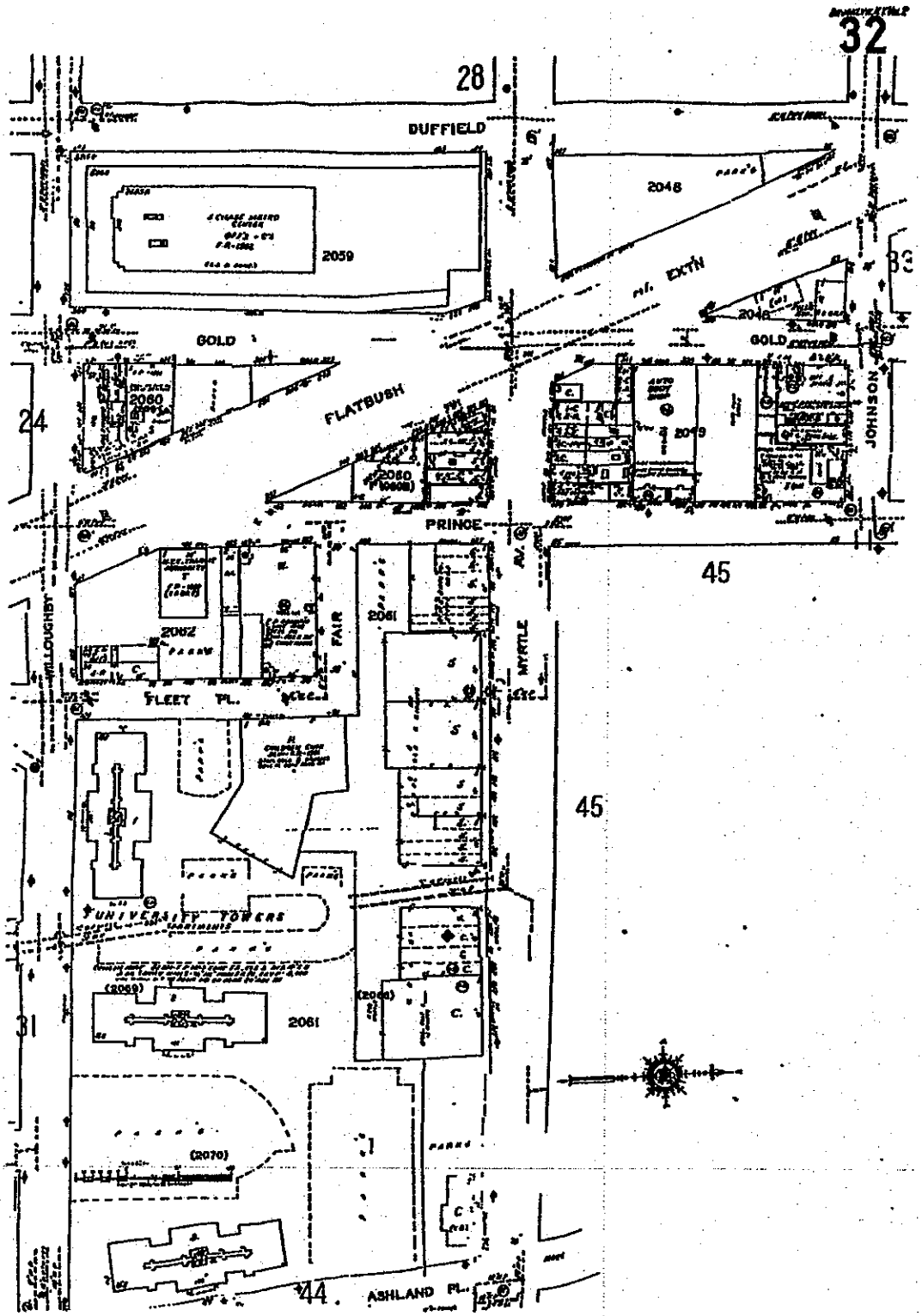

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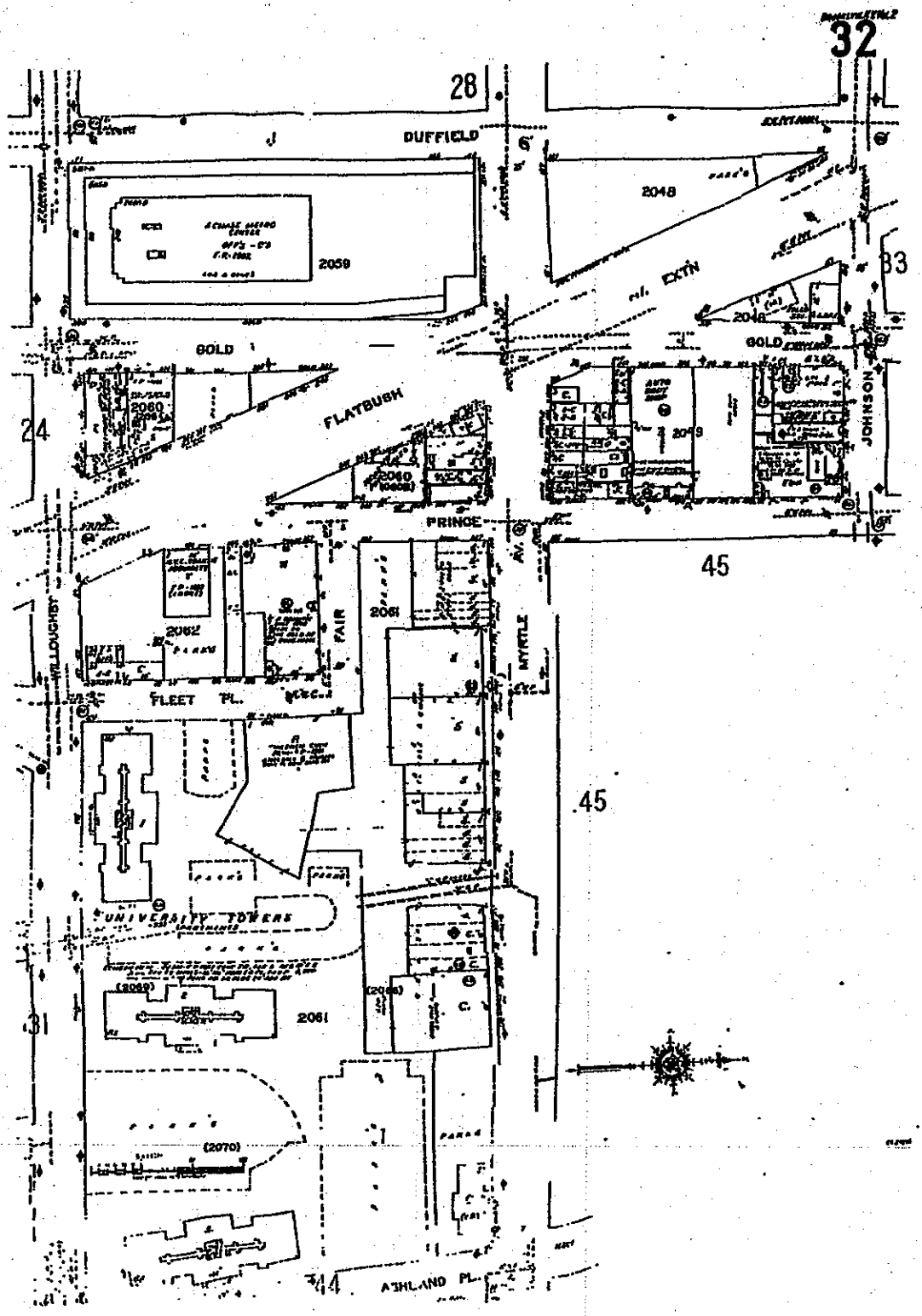

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APPENDIX D:
TOPOGRAPHIC MAPS

The EDR-Historical Topographic Map Report

Flatbush/Myrtle Ave
Flatbush/Myrtle Ave
Brooklyn, NY 11201

May 07, 2004

Inquiry Number: 1185665-4

EDR™ Environmental Data Resources Inc

The Standard In Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802

Environmental Data Resources, Inc.
Historical Topographic Map Report

Environmental Data Resources, Inc.'s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property, and its surrounding area, resulting from past activities. ASTM E 1527-00, Section 7.3 on Historical Use Information, identifies the prior use requirements for a Phase I environmental site assessment. The ASTM standard requires a review of *reasonably ascertainable standard historical sources. Reasonably ascertainable is defined as information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable.*

To meet the prior use requirements of ASTM E 1527-00, Section 7.3.4, the following *standard historical sources* may be used: aerial photographs, city directories, fire insurance maps, topographic maps, property tax files, land title records (although these cannot be the sole historical source consulted), building department records, or zoning/and use records. ASTM E 1527-00 requires *"All obvious uses of the property shall be identified from the present, back to the property's obvious first developed use, or back to 1940, whichever is earlier. This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful."* (ASTM E 1527-00, Section 7.3.2 page 12.)

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

Topographic Maps

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

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

Please call EDR Nationwide Customer Service at
1-800-352-0050 (8am-8pm ET)
with questions or comments about your report.
Thank you for your business!

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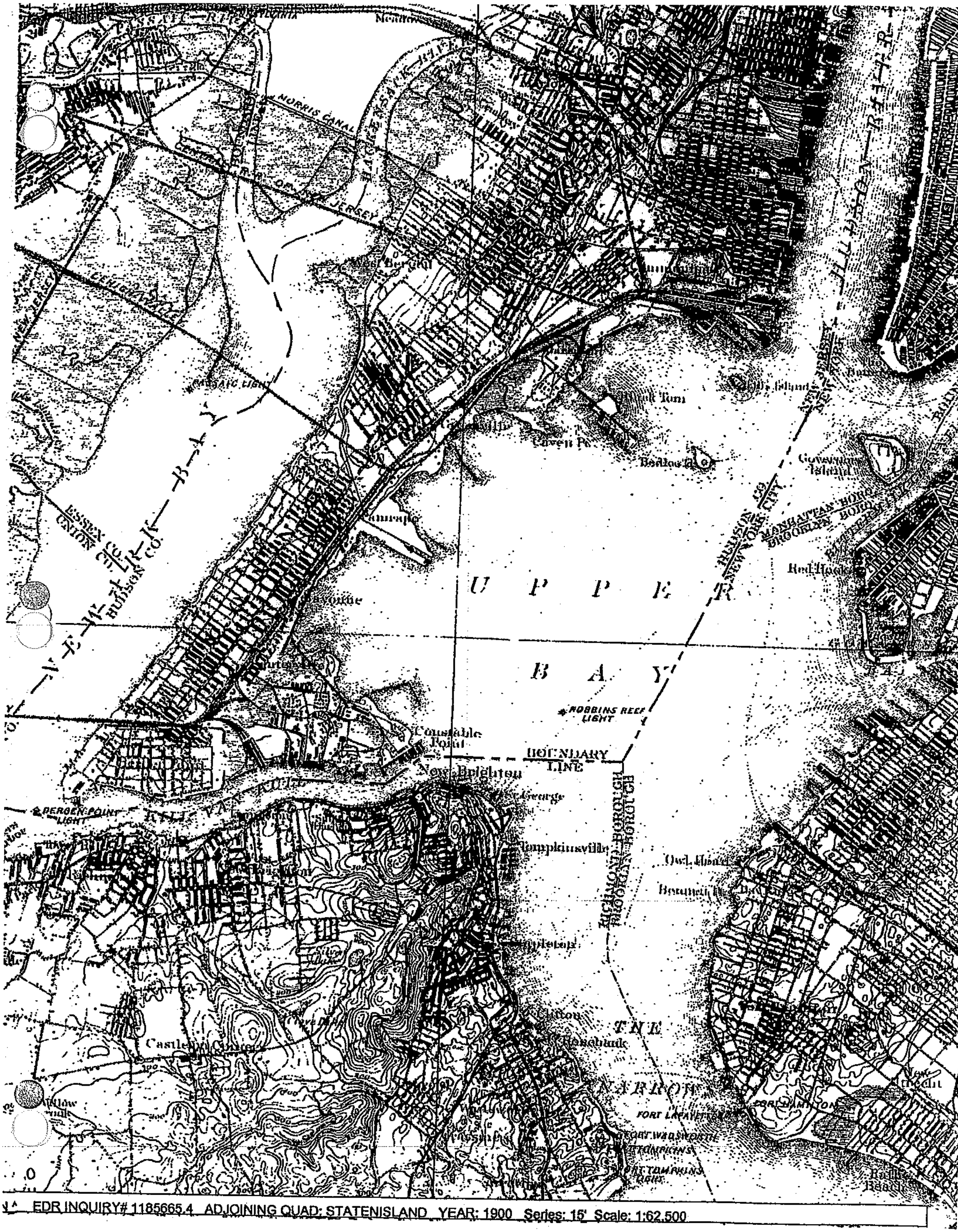

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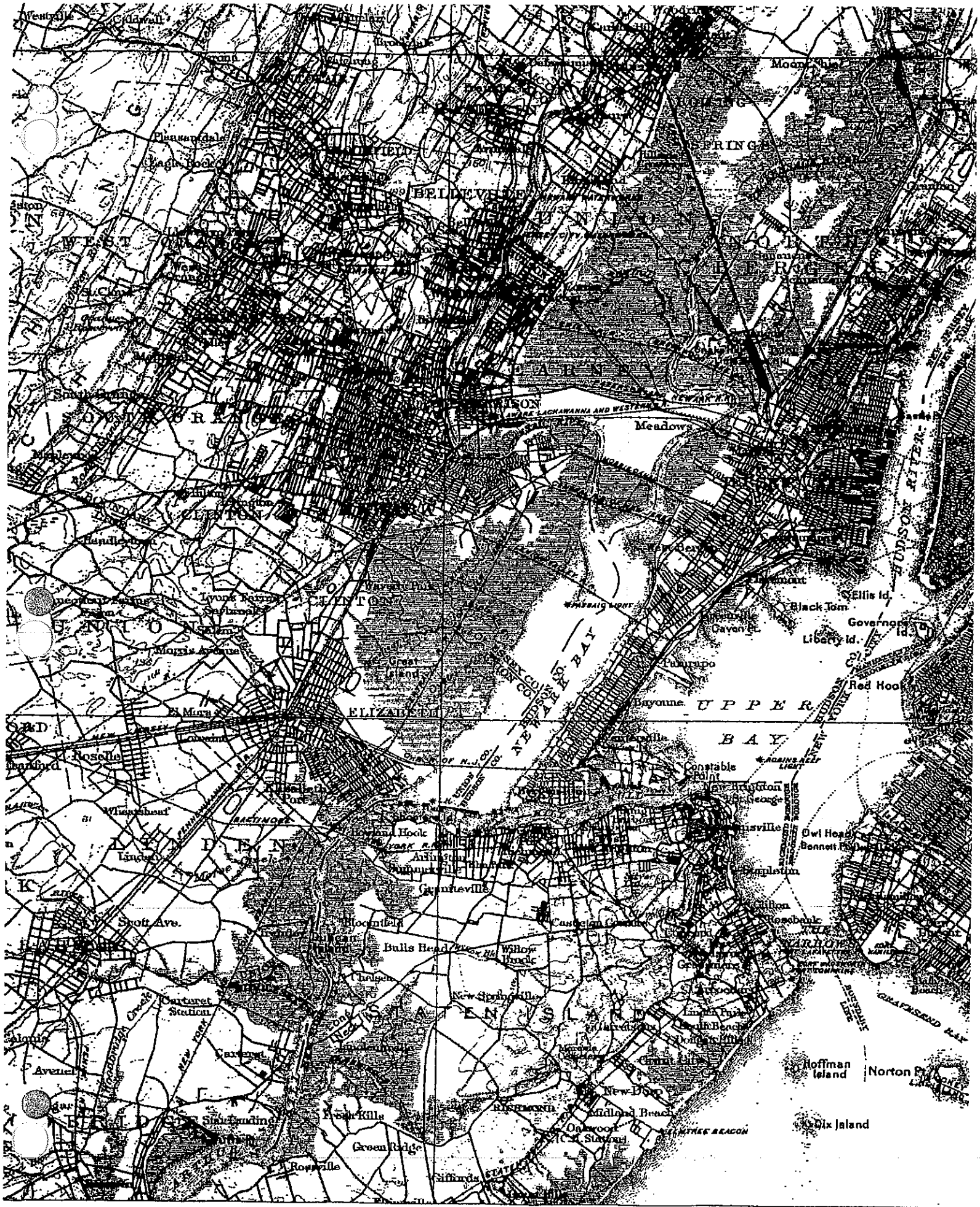

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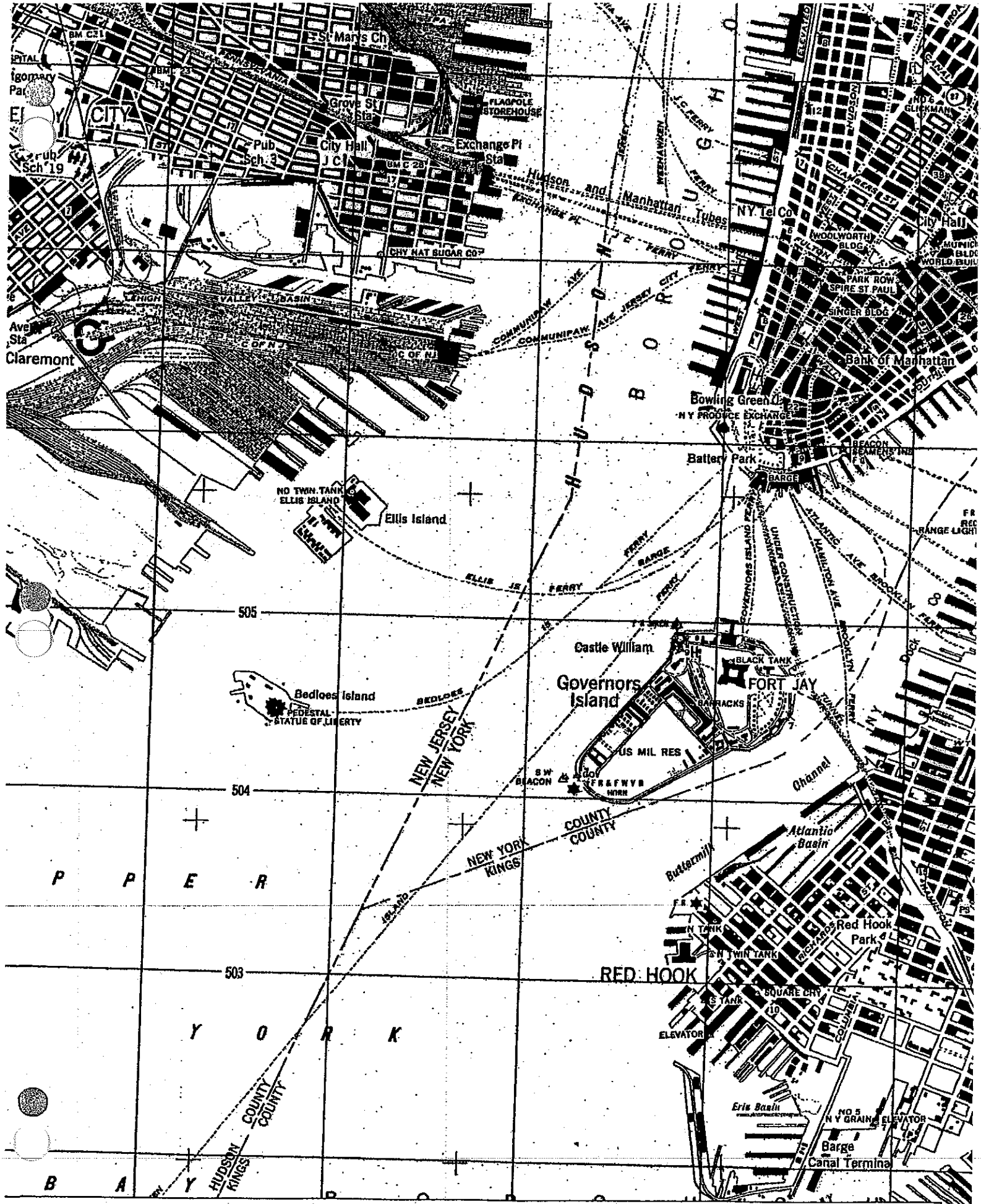

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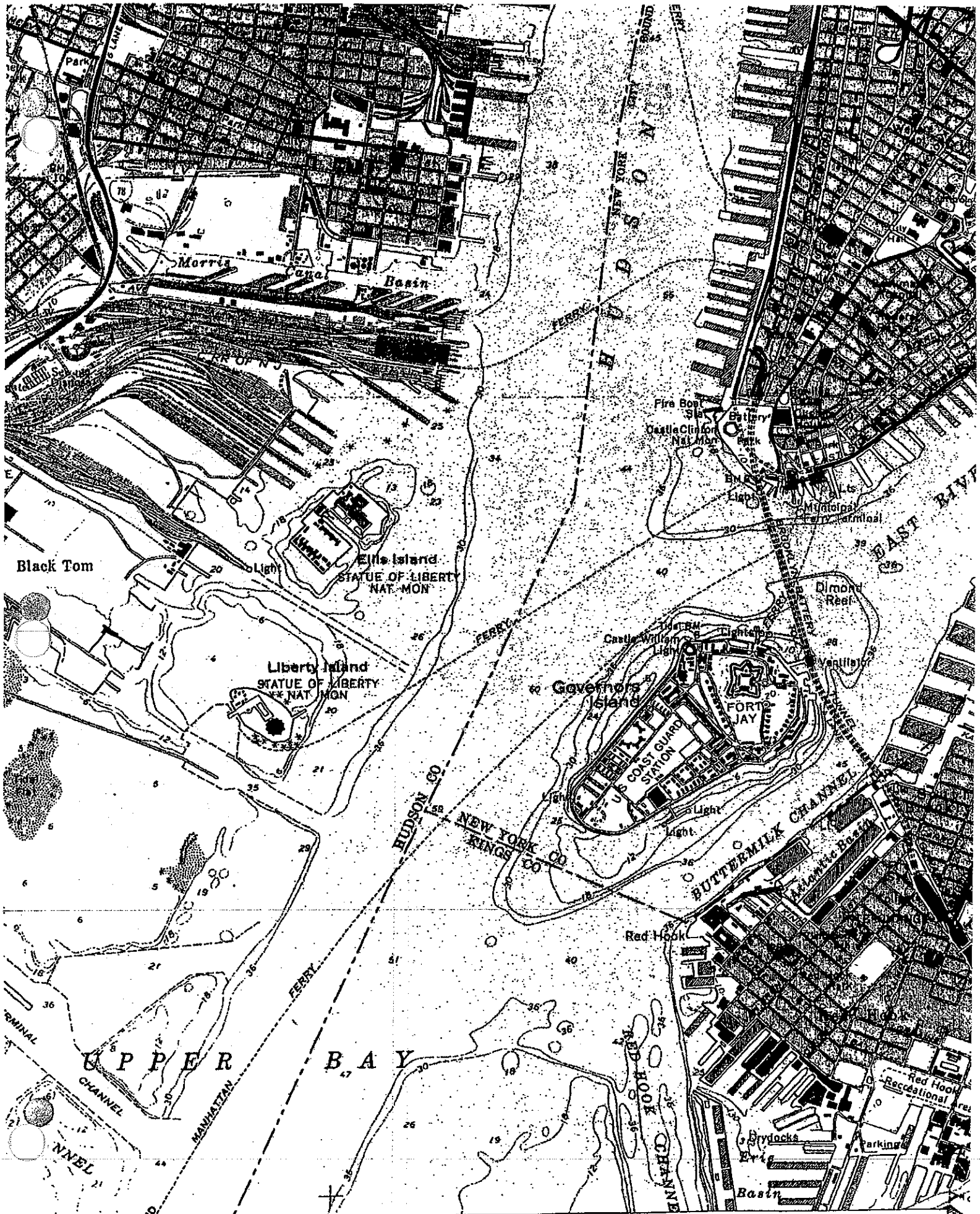

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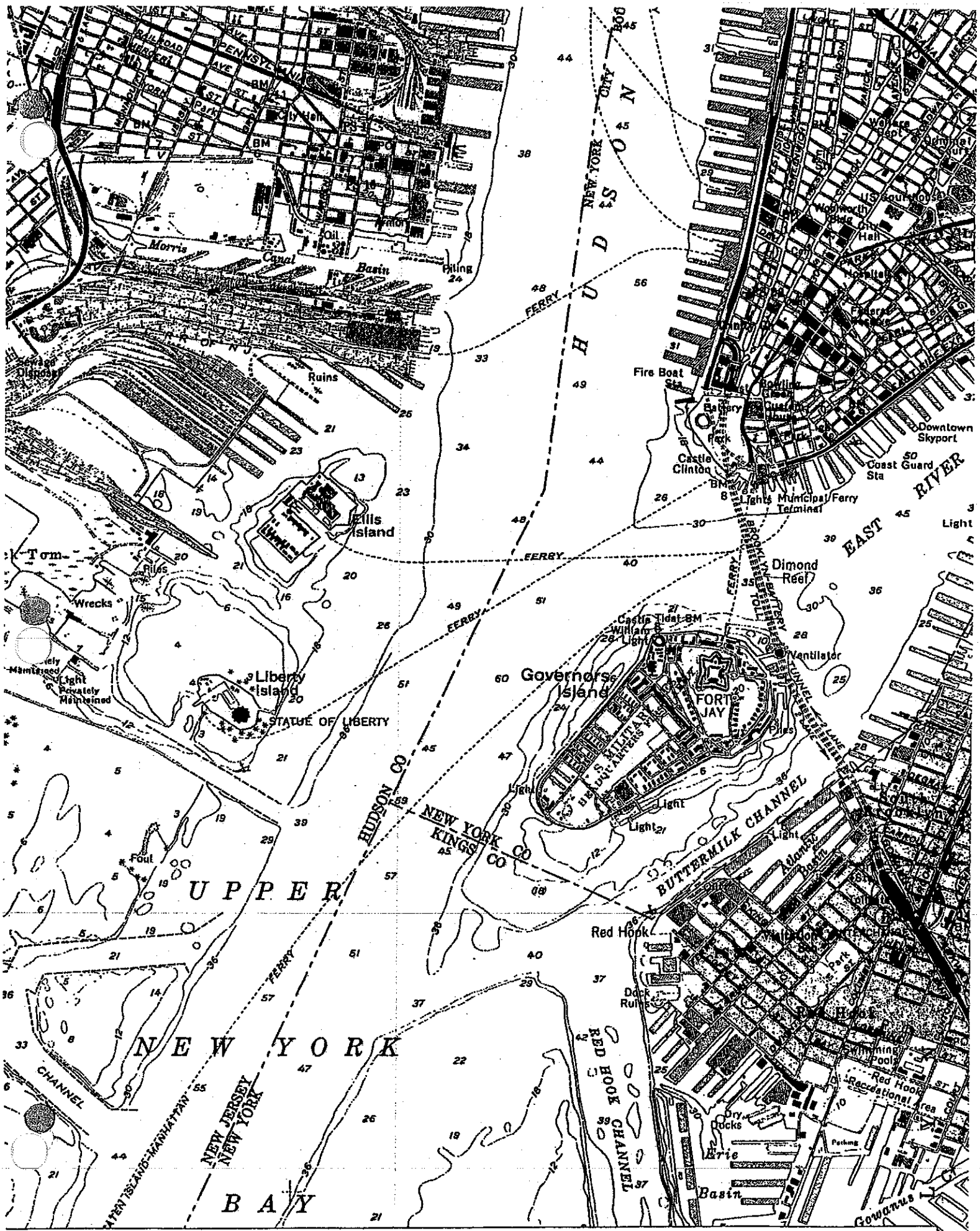

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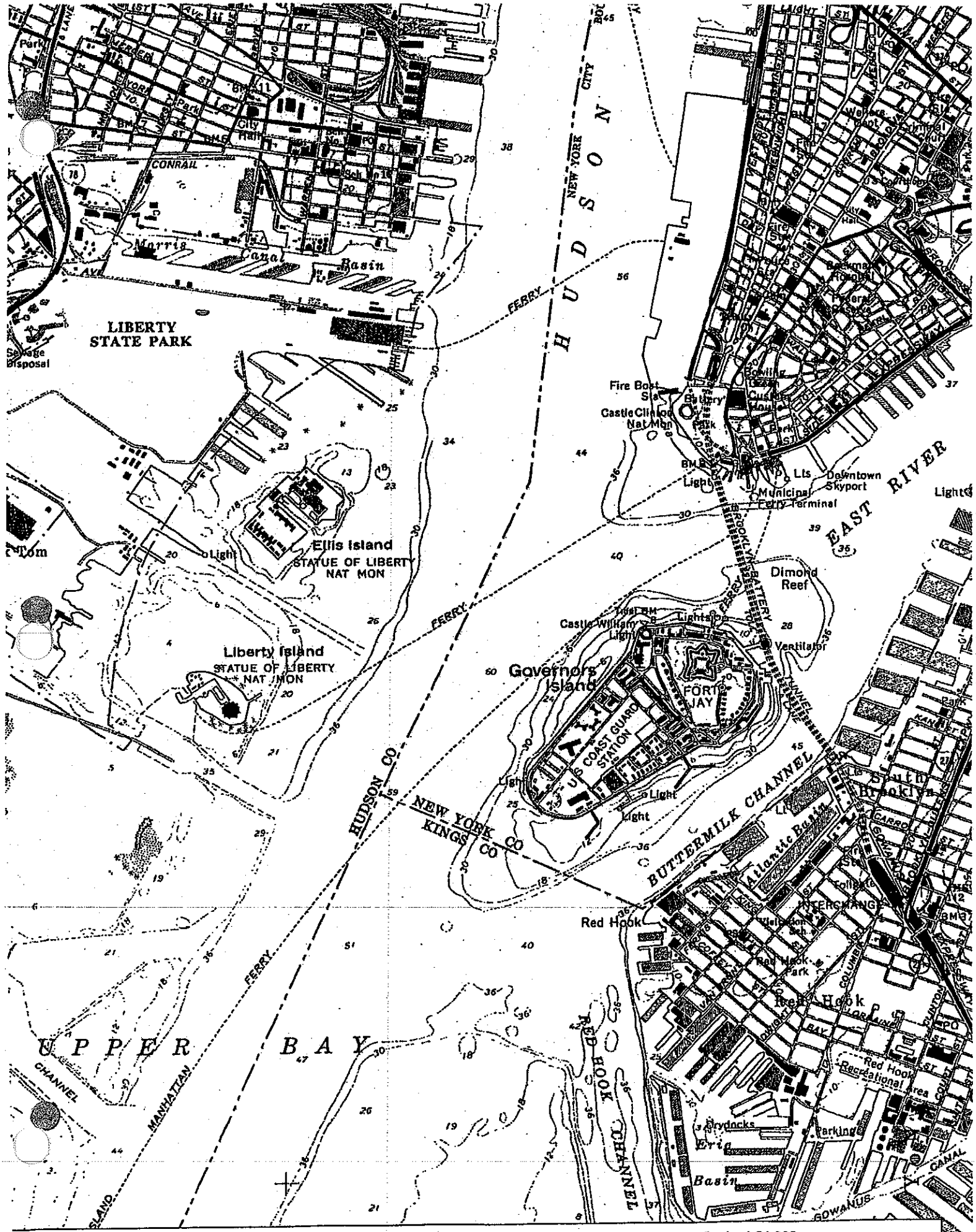

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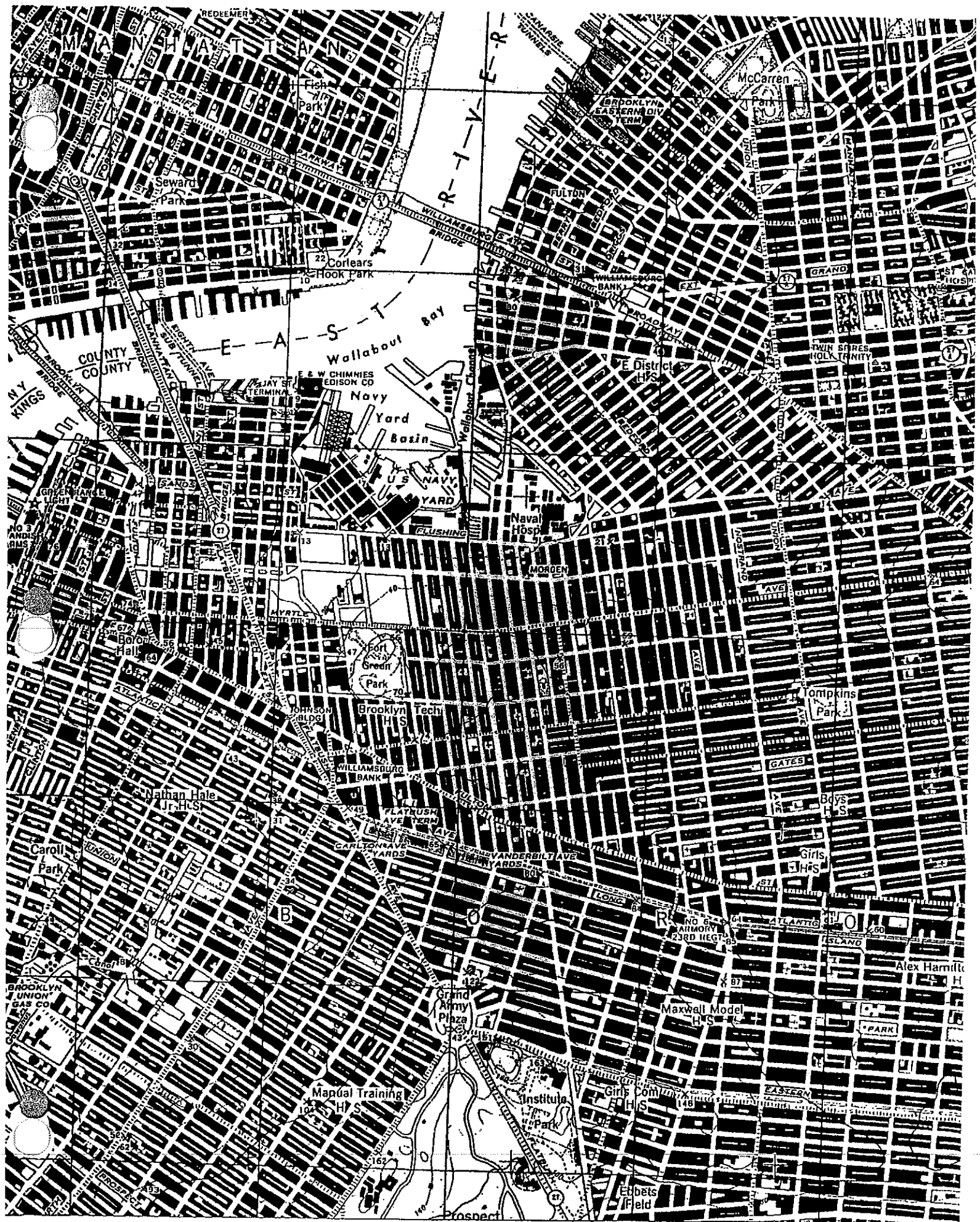

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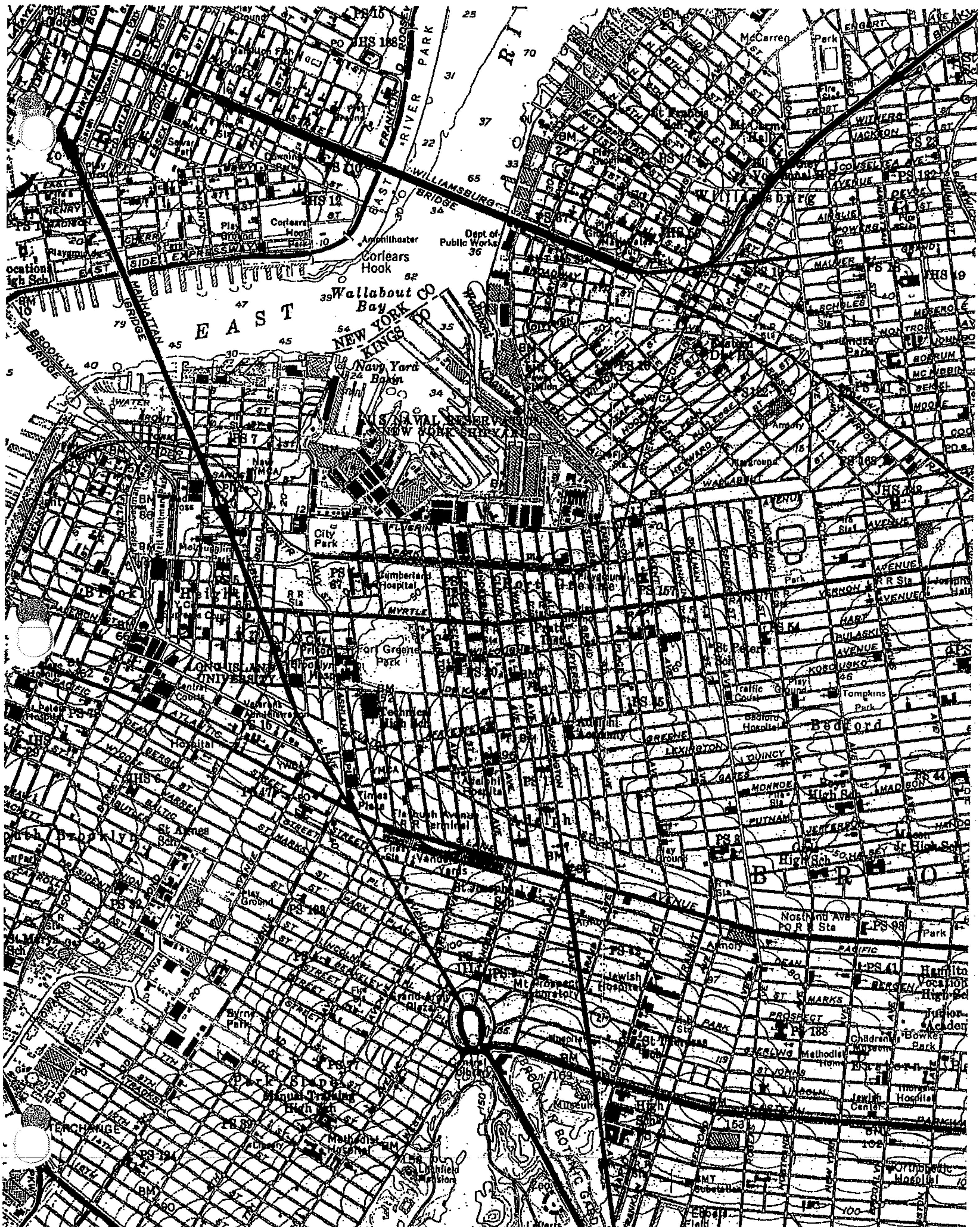
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Bay
NEW YORK CO.
KINGS CO.
Navy Yard
Basin
U S NAVAL RESERVATION
NEW YORK SHIPYARD
WILLIAMSBURG
BRIDGE
MANHATTAN
BRIDGE
BROOKLYN
BRIDGE
EAST RIVER PARK
Corlears Hook
Corlears Hook Park
Amphitheater
Dept of Public Works
McCarren Park
LONG ISLAND UNIVERSITY
City Park
Cumberland Hospital
Fort Greene Park
Technical High Sch
Times Plaza
Flatbush Avenue R R Terminal
Vanderbilt Yards
Tompkins Park
Bedford
Bedford Hospital
Boys High Sch
Jewish Hospital
Mt Prospect Laboratory
Grand Army Plaza
Byrne Park
Park Slope
Manual Training High Sch
Methodist Hospital
Litchfield Mansion
Museum
Jewish Hospital
Children's Museum
Methodist Home
Bowne Park
Orthopedic Hospital
Nostrand Ave R R Sta
Traffic Court
Central Courts
Jewish Center
Supreme Court
Williamsburg
FLUSHING
MYRTLE
DE KALB
FULTON
ATLANTIC
PACIFIC
DEAN
BERGEN
PROSPECT
ST MARKS
EASTERN
PARKWAY
LEXINGTON
QUINCY
GATES
MONROE
MADISON
PUTNAM
JEFFERSON
HALSEY
HART
PULASKI
KOSCIUSKO
VERNON
WALLABOUT
GRAND
SCHOLES
MESEROLE
MONTROSE
JOHNSON
BOERUM
MOORE
WITHERS
JACKSON
CONSELYEA
DEVOE
AINSLIE
POWERS
MAUJER
FROST
FLATBUSH
BROOKLYN BOT GARDEN
SEVENTH AVE
WARREN
BALTIC
UNION
CARROLL
PRESIDENT
LINCOLN
BERKELEY
ST JOHNS
STERLING
HENRY
MADISON
CHERRY
WATER
FRONT
SANDS
EAST SIDE EXPRESSWAY
DELANCEY
RIVINGTON
STANTON
HOUSTON
CLINTON
ESSEX
ORCHARD
JHS 12
PS 110
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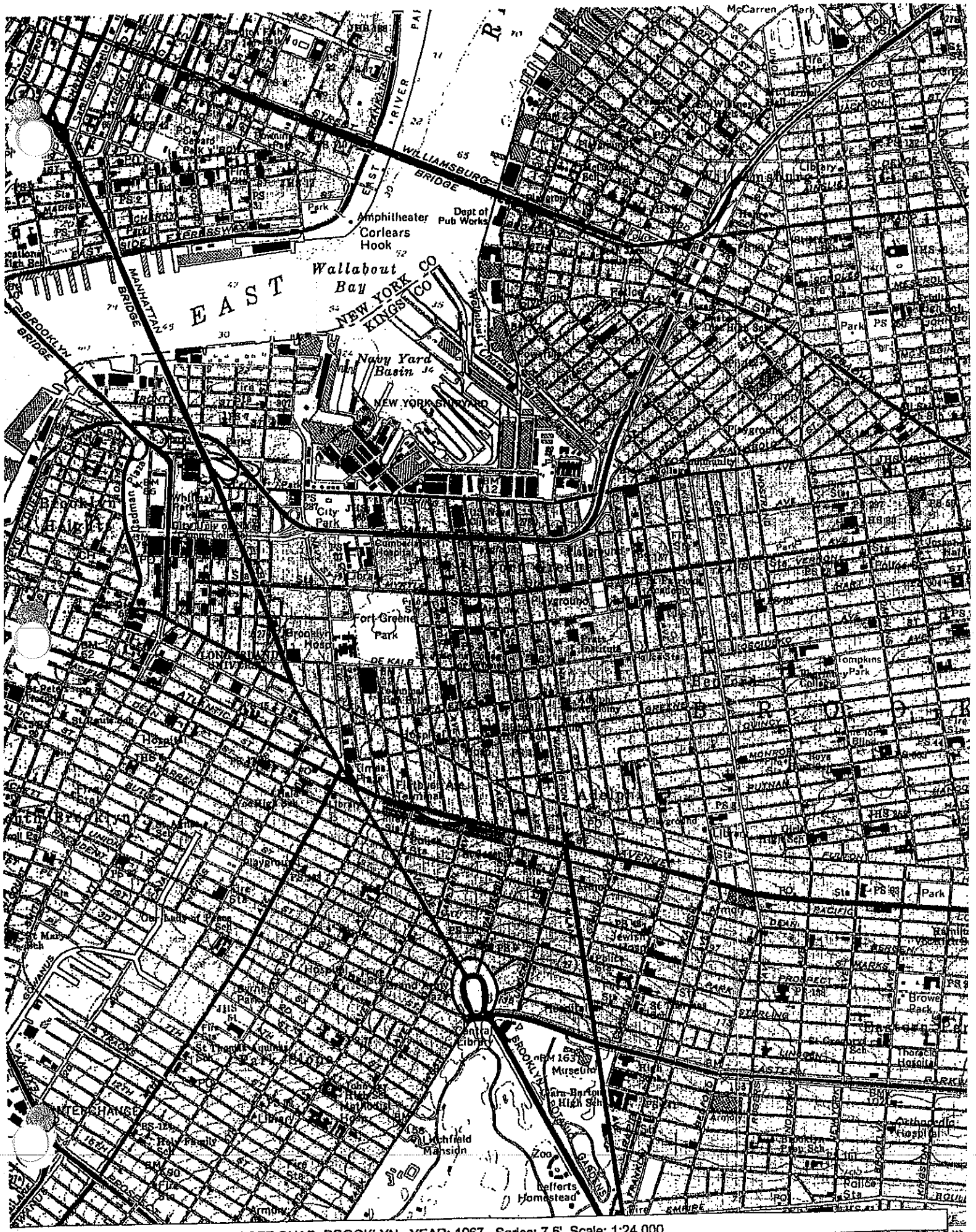

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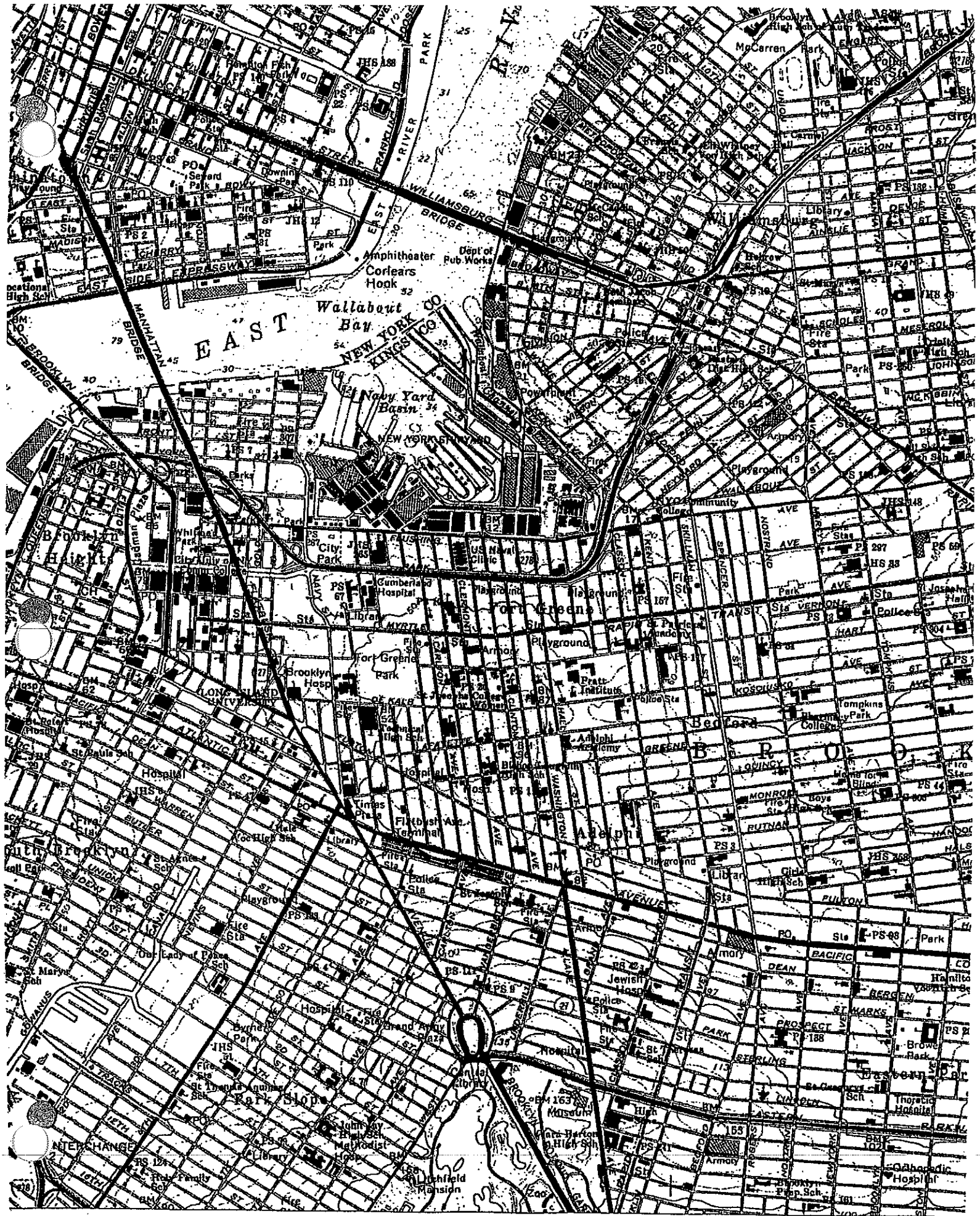

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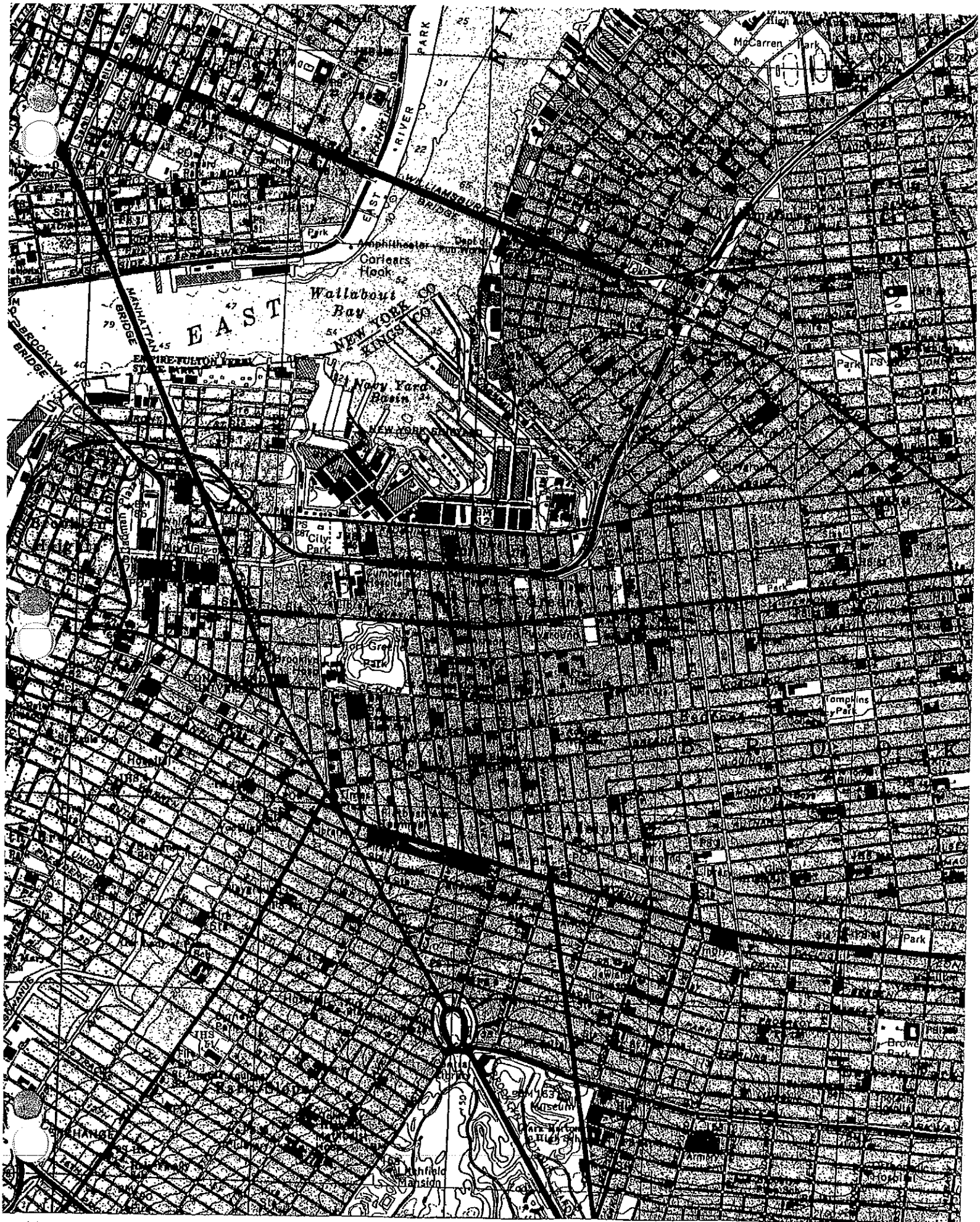

^ EDR INQUIRY# 1185665.4 TARGET QUAD: BROOKLYN YEAR: 1995 Series: 7.5' Scale: 1:24,000

APPENDIX E:
EDR DATABASE REPORT

The EDR Radius Map
with GeoCheck®

180 Myrtle Ave
180 Myrtle Ave
Brooklyn, NY 11201

Inquiry Number: 01327082.1r

December 15, 2004

EDR™ Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

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TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	191
EPA Waste Codes	EPA-1
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	A-46

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

180 MYRTLE AVE
BROOKLYN, NY 11201

COORDINATES

Latitude (North):	40.693580 - 40' 41' 36.9"
Longitude (West):	73.981770 - 73' 58' 54.4"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	586033.1
UTM Y (Meters):	4505029.5
Elevation:	31 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	40073-F8 BROOKLYN, NY
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRA-TSDF..... Resource Conservation and Recovery Act Information
RCRA-LQG..... Resource Conservation and Recovery Act Information
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

SHWS..... Inactive Hazardous Waste Disposal Sites in New York State

EXECUTIVE SUMMARY

SWF/LF	Facility Register
CBS UST	Chemical Bulk Storage Database
MOSF UST	Major Oil Storage Facilities Database
SWTIRE	Registered Waste Tire Storage & Facility List
SWRCY	Registered Recycling Facility List

FEDERAL ASTM SUPPLEMENTAL

CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
INDIAN RESERV	Indian Reservations
UMTRA	Uranium Mill Tailings Sites
ODL	Open Dump Inventory
DOD	Department of Defense Sites
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

HSWDS	Hazardous Substance Waste Disposal Site Inventory
AST	Petroleum Bulk Storage
CBS AST	Chemical Bulk Storage Database
MOSF AST	Major Oil Storage Facilities Database
DEL SHWS	Delisted Registry Sites
AIRS	Air Emissions Data
SPDES	State Pollutant Discharge Elimination System

BROWNFIELDS DATABASES

US BROWNFIELDS	A Listing of Brownfields Sites
Brownfields	Brownfields Site List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

FEDERAL ASTM STANDARD

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 08/10/2004 has revealed that there are 25 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
R & P DRY CLEANERS	*167 MYRTLE AVE*	*0 - 1/8 W*	*A2*	*7*
CHASE MANHATTAN BANK	*4 CHASE METROTECH CENTE*	*0 - 1/8 W*	*B7*	*16*
LONG ISLAND COLLEGE HOSPITAL	*LONG ISLAND COLLEGE HOS*	*1/8 - 1/4 SSE*	*29*	*46*
SUNOCO SERVICE STATION	85 FLATBUSH AVE EXT	1/8 - 1/4 SW	I32	48
SUNOCO SERVICE STATION	*85 FLATBUSH EXT*	*1/8 - 1/4 SW*	*I34*	*54*
LONG ISLAND UNIVERSITY	*UNIVERSITY PLAZA*	*1/8 - 1/4 S*	*37*	*58*
KINGSVIEW HOMES INC	*125 ASHLAND PL*	*1/8 - 1/4 ESE*	*J39*	*61*
MERIT OIL CORP	*132 FLATBUSH AVE EXT*	*1/8 - 1/4 NW*	*L48*	*84*
NEW YORK TELEPHONE CO	*101 WILLOUGHBY ST*	*1/8 - 1/4 WSW*	*M49*	*89*
CON ED - V 3268	264 BRIDGE ST	1/8 - 1/4 WNW	N51	91
CON ED - MH 10126	BRIDGE ST & JOHNSON AVE	1/8 - 1/4 WNW	N52	91
VERIZON - BRIDGE ST CO	*360 BRIDGE ST*	*1/8 - 1/4 WSW*	*53*	*91*
SHELL SERVICE STATION	*112 FLATBUSH AVE*	*1/8 - 1/4 NW*	*L55*	*97*
MAGIC TOUCH CLEANERS	*381 BRIDGE ST*	*1/8 - 1/4 WSW*	*R65*	*106*
BRIDGE CLEANERS	*384 BRIDGE STREET*	*1/8 - 1/4 SW*	*R68*	*116*
FOREST CITY BRIDGE STREET ASSO	*2 METROTECH CTR*	*1/8 - 1/4 W*	*69*	*117*
LONG ISLAND UNIVERSITY BROOKLY	*1 UNIVERSITY PLAZA*	*1/8 - 1/4 S*	*70*	*117*
UNITED INSIGNIA	*397 BRIDGE ST*	*1/8 - 1/4 SW*	*73*	*122*

Lower Elevation	Address	Dist / Dir	Map ID	Page
MOBIL OIL CORP SS #EGA	*185 FLATBUSH AVE EXT*	*0 - 1/8 WNW*	*C13*	*26*
PEPPER & POTTER INC	*329 GOLD ST*	*0 - 1/8 NW*	*F18*	*30*
TEAM OBSOLETE	*315 GOLD ST*	*0 - 1/8 NW*	*F22*	*36*
NYCHA - INGERSOL HOUSES	*120 NAVY WALK*	*1/8 - 1/4 NNE*	*G31*	*48*
300 GOLD ST	300 GOLD ST	1/8 - 1/4 NNW	K43	71
CON ED - M/H 60182	PARK & NAVY ST	1/8 - 1/4 NNE	P62	104
CON ED - MH 60182	PARK AVE & NAVY ST	1/8 - 1/4 NNE	P63	104

STATE ASTM STANDARD

LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage

tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the LTANKS list, as provided by EDR, and dated 07/26/2004 has revealed that there are 44 LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
N Y TELEPHONE	101 FLEET PL	0 - 1/8 SSW	8	16
130 MYRTLE ST	130 MYRTLE ST	0 - 1/8 W	24	37
1 UNIVERSITY PLAZA	***1 UNIVERSITY PLAZA***	***1/8 - 1/4 S***	***H27***	***42***
316 FLATBUSH AV	316 FLATBUSH AV	1/8 - 1/4 S	E28	45
APARTMENT BUILDING	125 ASHLAND PLACE	1/8 - 1/4 ESE	J38	60
SUNOCO GAS STATION	TILLARY ST / FLATBUSH	1/8 - 1/4 NW	Q64	105
75 WILLOUGHBY ST	75 WILLOUGBY STREET	1/8 - 1/4 WSW	71	119
POLYTECHNIC UNIVERSITY	***333 JAY ST***	***1/4 - 1/2 W***	***74***	***122***
WHITMAN HOUSING	287 MYRTLE AVENUE	1/4 - 1/2 E	76	127
FORT GREEN PL & DEKALB AV	FORT GREEN PL / DEKALB	1/4 - 1/2 SE	77	129
NEW YORK CITY WELFARE FAC	210 LIVINGSTON STREET	1/4 - 1/2 SW	78	130
PEARLE ST/BKLYN/NYCTA	PEARLE STREET	1/4 - 1/2 WSW	S79	131
PEARL ST/BKLYN/NYCTA	PEARL STREET	1/4 - 1/2 WSW	S80	133
408 JAY/1427 FULTON /BKLN	1427 FULTON/408 JAY ST	1/4 - 1/2 WSW	81	134
BOARD OF EDUCATION	409 RED HOOK LANE	1/4 - 1/2 WSW	82	135
BROOKLYN ACADEMY OF MUSIC	FULTON ST / ROCKWELL	1/4 - 1/2 SSE	83	136
MPM REALTY CORP	141 LIVINGSTON STREET	1/4 - 1/2 WSW	84	137
Not reported	40 NEVINS ST	1/4 - 1/2 S	T85	138
WALT WHITMAN HOUSES	120 CUMBERLAND WALK	1/4 - 1/2 ENE	86	140
111 LIVINGSTON ST/NY TEL	111 LIVINGSTON ST	1/4 - 1/2 WSW	V90	144
NY TELEPHONE	111 LIVINGSTON STREET	1/4 - 1/2 WSW	V91	145
COGEN CORPORATION	***111 LIVINGSTON STREET***	***1/4 - 1/2 WSW***	***V92***	***146***
COMMUNITY LIVING	50 NEVINS ST	1/4 - 1/2 S	T93	154
BROOKLYN LAW SCHOOL	250 JORALEMON ST	1/4 - 1/2 WSW	94	156
186 JAY STREET	***186 JAY STREEY***	***1/4 - 1/2 NW***	***95***	***156***
120 SCHERMERHORN STREET	120 SCHERMERHORN STREET	1/4 - 1/2 WSW	96	158
90 CARLTON AVE	90 CARLTON AVE	1/4 - 1/2 ENE	99	179
620 FULTON ST.	620 FULTON ST.	1/4 - 1/2 SSE	X100	180
CITGO	620 FULTON ST.	1/4 - 1/2 SSE	X101	181
ADVANCED MANAGEMENT	***26 COURT ST***	***1/4 - 1/2 W***	***Y103***	***183***
32 COURT STREET	32 COURT ST	1/4 - 1/2 W	Y106	187
LVINGSTON ASSOC.	88 LIVINGSTON ST	1/4 - 1/2 WSW	107	188

Lower Elevation	Address	Dist / Dir	Map ID	Page
NYPD 84 PRECINCT	301 GOLD ST	1/8 - 1/4 NNW	K40	63
NYCPD 84TH PRECINCT	***301 GOLD STREET***	***1/8 - 1/4 NNW***	***K44***	***72***
INGERSOLL HOUSES	22 MONUMENT WALK	1/8 - 1/4 NE	O57	100
INGERSOLL HOUSES	8 MONUMENT WALK	1/8 - 1/4 NNE	O58	101
Not reported	45 N ELLIOT PL	1/4 - 1/2 NE	75	127
RED HOOK MARINE TRMNL	ADMINISTRATION BLDG	1/4 - 1/2 NE	U87	141
RED HOOK MARINE/PT AUTH	RED HOOK MARINE TERMINA	1/4 - 1/2 NE	U88	142
RED HOOK TERM/BKLYN/	RED HOOK TERMINAL	1/4 - 1/2 NE	U89	143
BROOKLYN NAVY YARD INDUSTRIAL	***63 FLUSHING AVE.***	***1/4 - 1/2 NE***	***W97***	***160***
RED HOOK WATER POLLUTION CONTR	***63 FLUSHING AVENUE***	***1/4 - 1/2 NE***	***W98***	***174***
58-02 FLUSHING AVE/QUEENS	58-02 FLUSHING AVENUE	1/4 - 1/2 NE	W102	182
BROOKLYN NAVY YARD	FLUSHING AV/CUMBERLAND	1/4 - 1/2 NE	Z105	186

EXECUTIVE SUMMARY

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 29 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
147 PRINCE ST.	147 PRINCE STREET	0 - 1/8 WSW	A1	6
NEW YORK TELEPHONE	101 FLEET PLACE	0 - 1/8 S	3	8
UNIVERSITY TOWERS APTS	175 WILLOUGHBY ST	0 - 1/8 S	E17	29
UNIVERSITY TOWERS APTS CORP.	191 WILLOUGHBY ST	0 - 1/8 S	E20	34
NYC DEPARTMENT OF HEALTH	FORT GREENE DISTRICT HE	0 - 1/8 SSW	21	35
BROOKLYN COMPUS LIU	1 UNIVERSITY PLAZA	1/8 - 1/4 S	H26	39
INSTITUTE OF DESIGN AND CONST	141 WILLOUGHBY ST	1/8 - 1/4 SW	30	47
SUNOCO 0007-1548	85 FLATBUSH AVE	1/8 - 1/4 SW	I33	49
UNIVERSITY TOWERS APTS CORP.	122 ASHLAND PLACE	1/8 - 1/4 ESE	J36	57
KINGSVIEW HOMES INC	***125 ASHLAND PL***	***1/8 - 1/4 ESE***	***J39***	***61***
POLYTECHNIC UNIVERSITY	305 BRIDGE STREET	1/8 - 1/4 WNW	45	76
UNITED DUFFIELD CO.	214 DUFFIELD ST	1/8 - 1/4 SW	47	82
MERIT OIL CORP	***132 FLATBUSH AVE EXT***	***1/8 - 1/4 NW***	***L48***	***84***
POLYTECHNIC UNIVERSITY	122 JOHNSON ST	1/8 - 1/4 WNW	N50	90
SHELL	112 FLATBUSH AVE	1/8 - 1/4 NW	L54	92
GREENPARK CARE CENTER	140 EDWARDS STREET	1/8 - 1/4 ESE	60	102
ENGINE 207 / LADDER 110	***172 TILLARY STREET***	***1/8 - 1/4 NW***	***Q66***	***107***
ST JOSEPH HIGH SCHOOL	80 WILLOUGHBY ST	1/8 - 1/4 WSW	R67	114
DIME SAVINGS BANK OF NEW YORK	DE KALB AVE / FULTON ST	1/8 - 1/4 SSW	72	120

Lower Elevation	Address	Dist / Dir	Map ID	Page
EXXONMOBIL S/S 17-EGA	185 FLATBUSH AVE EXT	0 - 1/8 WNW	C12	21
LUBA ORGANIZATION	176 JOHNSON STREET	0 - 1/8 NNW	D14	27
PEPPER & POTTER, INC	***329 GOLD ST***	***0 - 1/8 NW***	***F19***	***31***
MIM IMPORT CORP	78 PRINCE ST	1/8 - 1/4 NNW	25	38
INGERSOLL	85 NAVY WALK	1/8 - 1/4 NNE	G35	54
TA POLICE ACADEMY	***300 GOLD ST***	***1/8 - 1/4 NNW***	***K41***	***64***
84TH PRECINCT	301 GOLD ST	1/8 - 1/4 NNW	K42	67
MET TECH MOTOR	125 FLATBUSH AVENUE EXT	1/8 - 1/4 NW	L46	78
INGERSOLL HOUSES	25 MONUMENT WALK	1/8 - 1/4 NE	O56	97
WALT WHITMAN	93 SAINT EDWARD'S STREE	1/8 - 1/4 ENE	61	103

NY VCP: Voluntary Cleanup Agreements. The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

A review of the VCP list, as provided by EDR, and dated 06/29/2004 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
BROOKLYN NAVY YARD - NYC DEP	***FLUSHING AVE AT CUMBERL***	***1/4 - 1/2 NE***	***Z104***	***185***

EXECUTIVE SUMMARY

FEDERAL ASTM SUPPLEMENTAL

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 12/31/2003 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
NAVY BARRACKS BKLYN		1/2 - 1 ENE	110	189

STATE OR LOCAL ASTM SUPPLEMENTAL

SPILLS: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 07/26/2004 has revealed that there are 10 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MANHOLE 1925	MYRTLE AVE/FLATBUSH AVE	0 - 1/8 W	B4	13
MANHOLE 61101	FLATBUSH AV/MYRTLE AV	0 - 1/8 W	B5	14
APARTMENT BUILDING	175 WILLOUGHBY ST	0 - 1/8 S	E16	29

Lower Elevation	Address	Dist / Dir	Map ID	Page
HUDSON AV SUBSTATION	111 HUDSON AV	0 - 1/8 NE	6	15
MAHOLE #1929	IFO 343 GOLD ST	0 - 1/8 WNW	C9	18
MANHOLE #60331	PRINCE ST / JOHNSON A	0 - 1/8 NNW	D10	19
MANHOLE	JOHNSON ST / PRINCE S	0 - 1/8 NNW	D11	20
MOBIL OIL CORP SS #EGA	***185 FLATBUSH AVE EXT***	***0 - 1/8 WNW***	***C13***	***26***
176 JOHNSON STREET	176 JOHNSON ST	0 - 1/8 NNW	D15	28
HUDSON AVE GENERATING ST	1-11 HUDSON AVENUE	0 - 1/8 NNE	G23	36

DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the DRYCLEANERS list, as provided by EDR, and dated 06/15/2004 has revealed that there are 2 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MAGIC TOUCH CLEANERS	381 BRIDGE STREET	1/8 - 1/4 WSW	M59	102
BRIDGE CLEANERS	***384 BRIDGE STREET***	***1/8 - 1/4 SW***	***R68***	***116***

PROPRIETARY DATABASES

Former Manufactured Gas (Coal Gas) Sites:
The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative

A review of the Coal Gas list, as provided by EDR, has revealed that there are 5 Coal Gas sites

within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
BROOKLYN GAS LIGHT CO.	220 FRONT ST.	1/2 - 1 N	AA108	189
BROOKLYN UNION GAS LIGHT CO.	220 FRONT ST.	1/2 - 1 N	AA109	189

Lower Elevation	Address	Dist / Dir	Map ID	Page
BROOKLYN GAS LIGHT CO.	274 PLYMOUTH ST.	1/2 - 1 N	111	189
NATIONAL LEAD CO.	80 JOHN ST.	1/2 - 1 NNW	112	190
FULTON MUNICIPAL GAS CO.	263 NEVINS ST.	1/2 - 1 SSW	113	190

BROWNFIELDS DATABASES

NY VCP: Voluntary Cleanup Agreements. The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

A review of the VCP list, as provided by EDR, and dated 06/29/2004 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

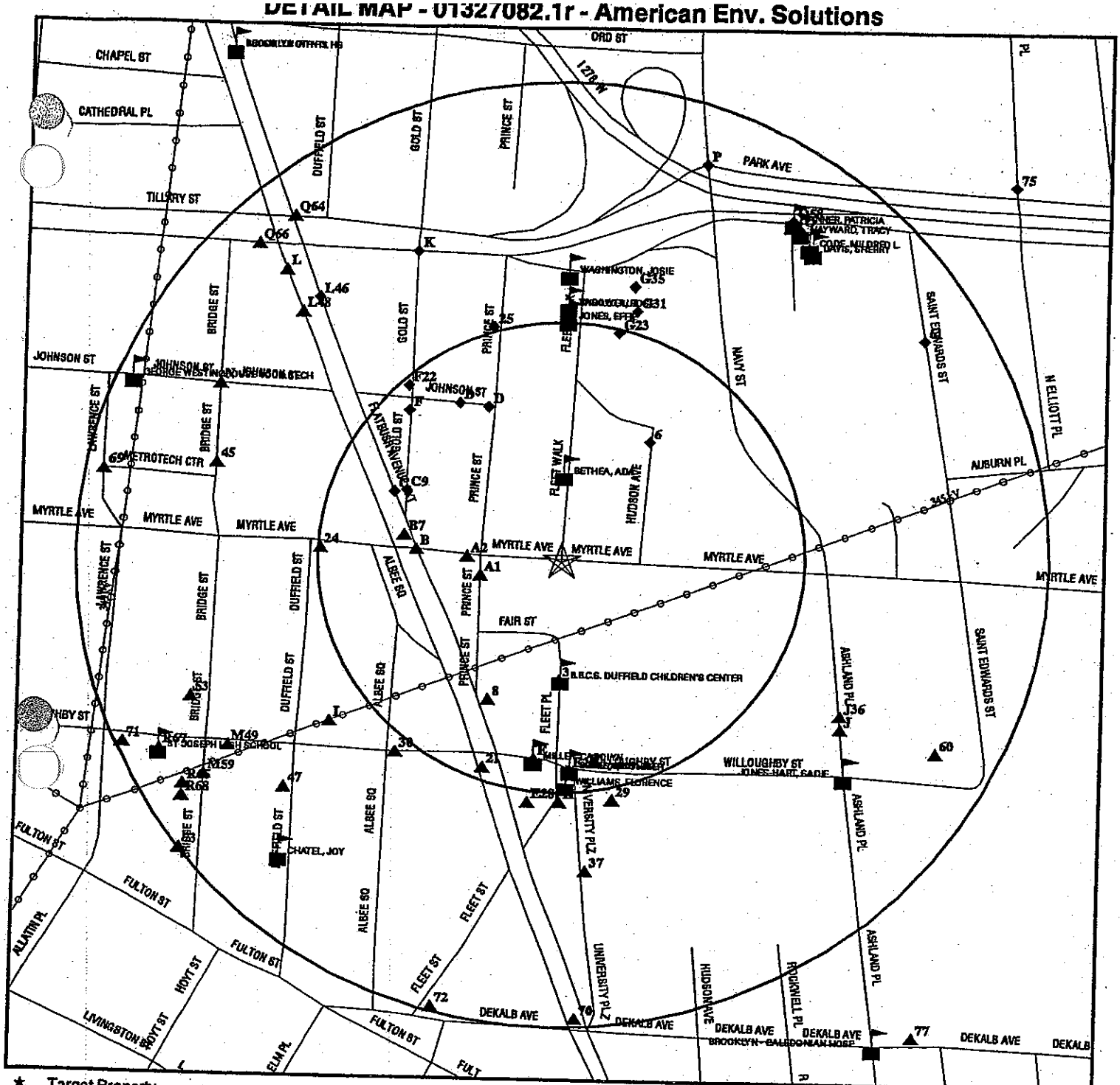
Lower Elevation	Address	Dist / Dir	Map ID	Page
BROOKLYN NAVY YARD - NYC DEP	*FLUSHING AVE AT CUMBERL*	*1/4 - 1/2 NE*	*Z104*	*185*

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
BROOKLYN NAVY YARD - 13 ACRE PARCE	SHWS
EMANUEL CELLLARD FEDERAL BUILDING	RCRA-SQG, FINDS, CERC-NFRAP
MODE/MODERN AGE CLEANERS INC.	DRYCLEANERS
INTERSECTION OF SHORE RD	LTANKS
NYCT - DEKALB AVE STATION D LINE	RCRA-SQG, FINDS
BELL ATLANTIC-NY	RCRA-SQG
NEW YORK TELEPHONE	RCRA-SQG
NYNEX-MANHOLE	RCRA-SQG
CON ED - MH 691	RCRA-SQG
NYNEX-MANHOLE	RCRA-SQG
CON ED-MH 1971	RCRA-SQG
CON ED - MH 1950	RCRA-SQG
CON ED - MH 60360	RCRA-SQG
CON ED - MH 60385	RCRA-SQG
NYSDOT REGION 2 BROOKLYN QUEENS EX	RCRA-SQG, FINDS
CON ED-MH 1947	RCRA-SQG
CON ED - NAVY ST & WILLOUGHBY ST	RCRA-SQG
MH1952	RCRA-SQG
MH1957	RCRA-SQG
M639	RCRA-SQG
MH639	RCRA-SQG
MH60182	RCRA-SQG
M801	RCRA-SQG
MH60507	RCRA-SQG
TM2470	RCRA-SQG
NYCTA-FULTON ST. / BRIDGE ST. STOR	FINDS, RCRA-LQG
ON THE BQE E/B	NY Spills
4TH AVE	NY Spills
BETWEEN AVE S & FIRST CT	NY Spills
MANHOLE 4707	NY Spills
MANHOLE #580	NY Spills
EUCLID AVE AND	NY Spills
GERRITSON & AVE U/TEXACO	NY Spills
BETWEEN PLYMOUTH & HUDSON	NY Spills
NASSAU ST	NY Spills
MANHOLE #1947	NY Spills
MANHOLE 02117	NY Spills
MANHOLE 1930	NY Spills
4 CHASE METROTEK CENTER	NY Spills
PLUM BEACH/JAMACIA BAY	NY Spills
NAVY YARD - DECK #4	NY Spills
MANHOLE #723	NY Spills

DETAIL MAP - 01327082.1r - American Env. Solutions



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines

TARGET PROPERTY:	180 Myrtle Ave	CUSTOMER:	American Env. Solutions
ADDRESS:	180 Myrtle Ave	CONTACT:	Brian Pendergast
CITY/STATE/ZIP:	Brooklyn NY 11201	INQUIRY #:	01327082.1r
LAT/LONG:	40.6936 / 73.9818	DATE:	December 15, 2004 3:18 pm

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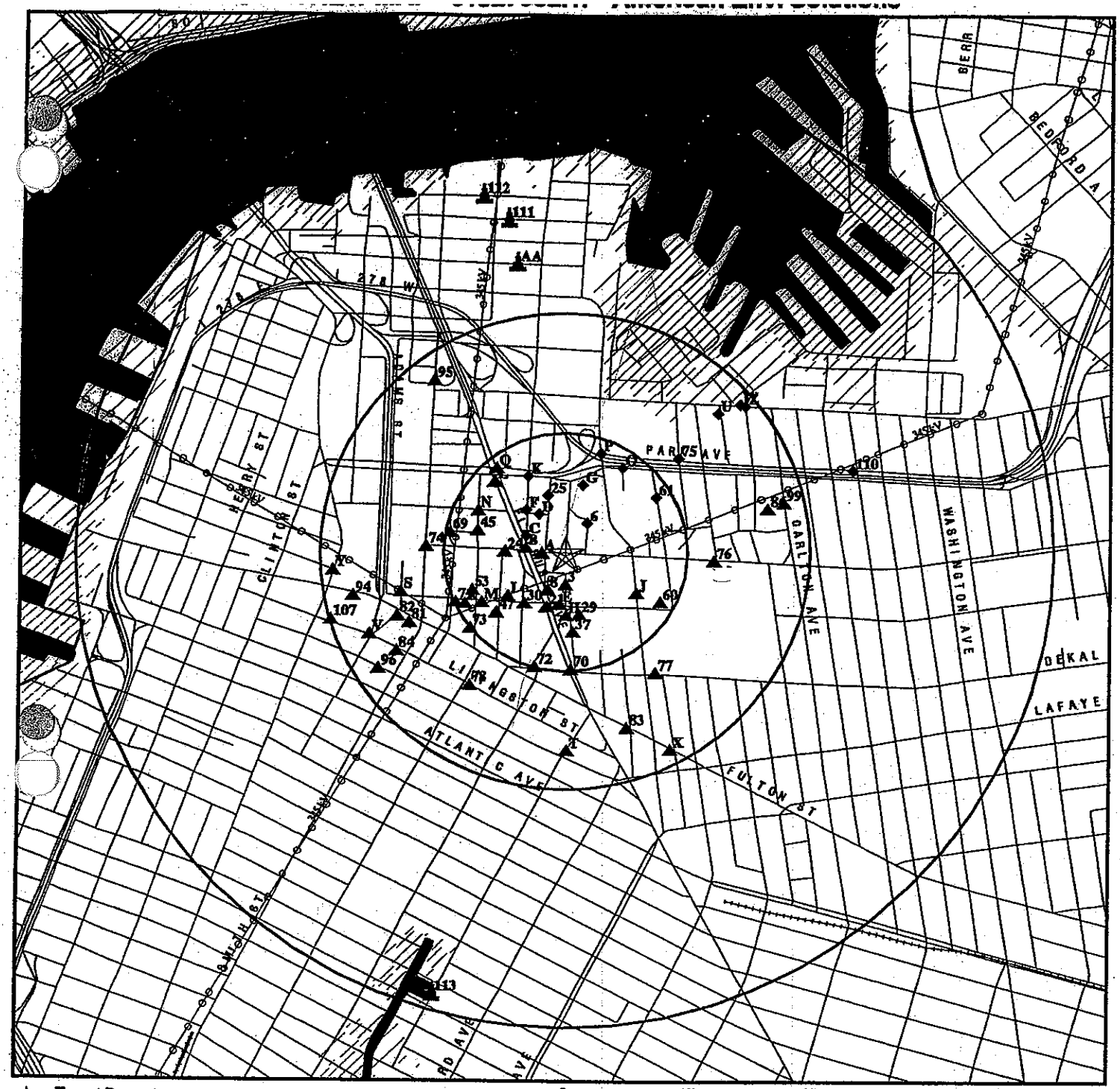

★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

Coal Gasification Sites

National Priority List Sites

Landfill Sites

Dept. Defense Sites

Indian Reservations BIA

County Boundary

Power transmission lines

Oil & Gas pipelines

100-year flood zone

500-year flood zone

Federal Wetlands

State Wetlands

TARGET PROPERTY:	180 Myrtle Ave	CUSTOMER:	American Env. Solutions
ADDRESS:	180 Myrtle Ave	CONTACT:	Brian Pendergast
CITY/STATE/ZIP:	Brooklyn NY 11201	INQUIRY #:	01327082.1r
LAT/LONG:	40.6936 / 73.9818	DATE:	December 15, 2004 3:16 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL ASTM STANDARD								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	5	20	NR	NR	NR	25
ERNS		TP	NR	NR	NR	NR	NR	0
STATE ASTM STANDARD								
State Haz. Waste		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LTANKS		0.500	2	9	33	NR	NR	44
UST		0.250	8	21	NR	NR	NR	29
CBS UST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	1	NR	NR	1
SWTIRE		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
FEDERAL ASTM SUPPLEMENTAL								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	1	NR	1
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
STATE OR LOCAL ASTM SUPPLEMENTAL								
HSWDS		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST		TP	NR	NR	NR	NR	NR	0
CBS AST		0.250	0	0	NR	NR	NR	0
MOSF AST		0.500	0	0	0	NR	NR	0
NY Spills		0.125	10	NR	NR	NR	NR	10
DEL SHWS		1.000	0	0	0	0	NR	0
DRYCLEANERS		0.250	0	2	NR	NR	NR	2
AIRS		TP	NR	NR	NR	NR	NR	0
SPDES		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY HISTORICAL DATABASES								
Coal Gas		1.000	0	0	0	5	NR	5
BROWNFIELDS DATABASES								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Brownfields		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	1	NR	NR	1

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
A1 WSW < 1/8 223 ft.	147 PRINCE ST. 147 PRINCE STREET BROOKLYN, NY 11201	UST	U003790758 N/A

Site 1 of 2 in cluster A

Relative: Higher

Actual: 33 ft.

PBS UST:

PBS Number:	2-600220	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	A. TAUROG (718) 237-8833		
Emergency Contact:	A. TAUROG (718) 858-9805		
Total Tanks:	0		
Owner:	147 PRINCE ST. LLC 54 PEARL ST. BROOKLYN, NY 11201 (718) 858-9805		
Owner Type:	Not reported		
Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	147 PRINCE ST. LLC ATTN: A. TAUROG 54 PEARL STREET BROOKLYN, NY 11201 (718) 858-9805		
Tank Status:	Closed - In Place		
Capacity (gals):	2500		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Above/Underground Combination	Pipe Type:	STEEL/IRON
Tank External:	PAINTED/ASPHALT COATING		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Vent Whistle	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	04/11/2001	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	06/27/2006
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS OWNHIST

Operator:	HERMAN SCHWABE INDUSTRIES,INC

147 PRINCE ST. (Continued) U003790758

Emergency:	HERMAN SCHWABE INDUSTRIES,INC		
Emergency Tel:	(718) 237-1700	Old PBSNO:	Not reported
Facility Type:	OTHER		
Facility Owner:	RONJER INDUSTRIES, INC.		
Facility Address:	147 PRINCE STREET 147 PRINCE STREET BROOKLYN, NY 11201		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	11-2072681
Owner:	RONJER INDUSTRIES, INC.		
Owner Tel:	(718) 237-1700	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	HERMAN SCHWABE INDUSTRIES,INC 147 PRINCE STREET BROOKLYN, NY 11201 EDGAR HAAS (718) 237-1700		
Owner Mark:	First Owner		
Certify Date:	07/17/2001	Expiration:	07/17/2001
Total Capacity (Gal):	2500		

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported
County Facility:	6101
Facility Phone :	(718) 237-1700
Num of Active Tanks :	1
Facility Owner:	RONJER INDUSTRIES, INC.
Facility Address:	147 PRINCE STREET BROOKLYN, NY 11201
Owner Phone:	(718) 237-1700
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr In Computer :	06/27/2001
Facility Record Updated:	True

A2
West
< 1/8
256 ft.

R & P DRY CLEANERS RCRA-SQG 1004762355
167 MYRTLE AVE FINDS NYR000096099
BROOKLYN, NY 11201

Site 2 of 2 in cluster A

Relative:
Higher

Actual:
32 ft.

RCRAInfo:

Owner:	CESAR BRITO 718225777
EPA ID:	NYR000096099
Contact:	REYNALDO VASQUEZ (718) 625-6885
Classification:	Conditionally Exempt Small Quantity Generator
TSDF Activities:	Not reported

R & P DRY CLEANERS (Continued) 1004762355

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

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3 South < 1/8 344 ft. **NEW YORK TELEPHONE**
101 FLEET PLACE
BROOKLYN, NY 11201

UST U000417939
N/A

Relative: Higher

Actual: 40 ft.

PBS UST:

PBS Number:	2-344176	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	NEW YORK TELEPHONE (718) 330-8383		
Emergency Contact:	NEW YORK TELEPHONE (914) 789-6140		
Total Tanks:	0		
Owner:	NEW YORK TELEPHONE 111 LIVINGSTON ST ROOM 720 BROOKLYN, NY 11201 (718) 330-8383		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	New York Telephone		
Mailing Address:	101 FLEET PLACE ASSOCIATES ATTN: MR. SIDNEY FELDSHUH 235 MOORE STREET ROOM 720 HACKENSACK, NJ 07601 (718) 330-8383		
Tank Status:	Closed - Removed		
Capacity (gals):	1200		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	12/14/1987

NEW YORK TELEPHONE (Continued) U000417939

Old PBS Number:	Not reported	Expiration Date:	12/14/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-344176	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	NEW YORK TELEPHONE (718) 330-8383		
Emergency Contact:	NEW YORK TELEPHONE (914) 789-6140		
Total Tanks:	0		
Owner:	NEW YORK TELEPHONE 111 LIVINGSTON ST ROOM 720 BROOKLYN, NY 11201 (718) 330-8383		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	New York Telephone		
Mailing Address:	101 FLEET PLACE ASSOCIATES ATTN: MR. SIDNEY FELDSHUH 235 MOORE STREET ROOM 720 HACKENSACK, NJ 07601 (718) 330-8383		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	12/14/1987
Old PBS Number:	Not reported	Expiration Date:	12/14/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		

NEW YORK TELEPHONE (Continued) U000417939

Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-344176	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	NEW YORK TELEPHONE (718) 330-8383		
Emergency Contact:	NEW YORK TELEPHONE (914) 789-6140		
Total Tanks:	0		
Owner:	NEW YORK TELEPHONE 111 LIVINGSTON ST ROOM 720 BROOKLYN, NY 11201 (718) 330-8383		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	New York Telephone		
Mailing Address:	101 FLEET PLACE ASSOCIATES ATTN: MR. SIDNEY FELDSHUH 235 MOORE STREET ROOM 720 HACKENSACK, NJ 07601 (718) 330-8383		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	12/14/1987
Old PBS Number:	Not reported	Expiration Date:	12/14/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

NEW YORK TELEPHONE (Continued) U000417939

PBS Number:	2-344176	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	NEW YORK TELEPHONE (718) 330-8383		
Emergency Contact:	NEW YORK TELEPHONE (914) 789-6140		
Total Tanks:	0		
Owner:	NEW YORK TELEPHONE 111 LIVINGSTON ST ROOM 720 BROOKLYN, NY 11201 (718) 330-8383		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	New York Telephone		
Mailing Address:	101 FLEET PLACE ASSOCIATES ATTN: MR. SIDNEY FELDSHUH 235 MOORE STREET ROOM 720 HACKENSACK, NJ 07601 (718) 330-8383		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	02/01/1933	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	12/14/1987
Old PBS Number:	Not reported	Expiration Date:	12/14/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-344176	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	NEW YORK TELEPHONE (718) 330-8383		

NEW YORK TELEPHONE (Continued) U000417939

Emergency Contact: NEW YORK TELEPHONE
(914) 789-6140
Total Tanks: 0
Owner: NEW YORK TELEPHONE
111 LIVINGSTON ST ROOM 720
BROOKLYN, NY 11201
(718) 330-8383
Owner Type: Not reported
Owner Mark: First Owner
Owner Subtype: New York Telephone
Mailing Address: 101 FLEET PLACE ASSOCIATES
ATTN: MR. SIDNEY FELDSHUH
235 MOORE STREET
ROOM 720
HACKENSACK, NJ 07601
(718) 330-8383
Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 005
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 1
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: 2
Date Tested: Not reported
Date Closed: 03/01/1993
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 0
Tank Screen: 0
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: Not reported
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: Not reported
Product Stored: UNLEADED GASOLINE
Pipe Internal: Not reported
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: Minor data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: Minor data missing
Certification Date: 12/14/1987
Expiration Date: 12/14/1992
Inspector: Not reported

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
1 additional NY PBS record(s) in the EDR Site Report.

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
B4 West < 1/8 394 ft.	MANHOLE 1925 MYRTLE AVE/FLATBUSH AVE BROOKLYN, NY	NY Spills	S104952340 N/A

Relative: Higher

Actual: 33 ft.

Site 1 of 3 in cluster B

SPILLS:

Spill Number: 0011520
Spill Date: 01/25/2001 00:15
ID: Not reported
Dt Call Received: Not reported
Material Spilled 1 Not reported
Spill Cause: Unknown
Water Affected: Not reported
Facility Contact: UNK
Investigator: FOLEY
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: CALLER
Spiller: UNK
Spiller Address: UNK
UNK

Region of Spill: 2
Reported to Dept: 01/25/01 00:58
Region Close Date Not reported
Amount Spilled 1 : Not reported
Resource Affected: On Land
Spill Source: Unknown
Facility Tele: (000) 000-0000
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported

DEC Remarks : e2mis Notes: Approx 2 pints of unknown oil on 200gal water in MH-1925. 2 samples taken for PCB and ID. PCB result returned as <1ppm. Cleanup completed by double washing structure with slix. Liquids removed by tanker and solids removed by vactor.
KMF 4/10/01

Remark: discovered 2 pints of unk oil in a manhole clean up pending test results con ed 135214

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 1
Units: Gallons
Unknown Qty Spilled: Yes
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: Petroleum
Chem Abstract Service Number: UNKNOWN PETROLEUM
Last Date: 09/29/1994
Num Times Material Entry In File: 16414

Spill Closed Dt: 03/14/01
Spill Notifier: Affected Persons
Cleanup Ceased: / /
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /

PBS Number: Not reported
Cleanup Meets Std:False
Enforcement Date: / /

MANHOLE 1925 (Continued) — S104952340

Invstgn Complete:/ /
Spill Record Last Update: 04/10/01
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/25/01
Date Region Sent Summary to Central Office: / /
True Date : Not reported
UST Involvement: False

B5 West < 1/8 394 ft.

MANHOLE 61101
FLATBUSH AV/MYRTLE AV
BROOKLYN, NY

NY Spills — S104953040 / N/A

Relative: Higher

Actual: 33 ft.

Site 2 of 3 in cluster B

SPILLS:

Spill Number: 0012572
Spill Date: 02/25/2001 08:00
ID: Not reported
Dt Call Received: Not reported
Material Spilled 1 :Not reported
Spill Cause: Unknown
Water Affected: Not reported
Facility Contact: Not reported
Investigator: O'CONNELL
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: ANTHONY NATALIE
Spiller: UNKNOWN
Spiller Address: -
DEC Remarks : Not reported
Remark: 1 QT ON 150 GALS OF WATER. CLEAN UP PENDING. NO SEWER/WATERWAYS. CON ED 135686
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Region of Spill: 2
Reported to Dept: 02/25/01 08:51
Region Close Date Not reported
Amount Spilled 1 : Not reported
Resource Affected: On Land
Spill Source: Unknown
Facility Tele: ( ) -
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: (212) 580-6763

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 1
Units: Gallons
Unknown Qty Spilled: Yes
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: Petroleum
Chem Abstract Service Number: UNKNOWN PETROLEUM
Last Date: 09/29/1994
Num Times Material Entry In File: 16414

Spill Closed Dt: 07/16/01
Spill Notifier: Affected Persons
Cleanup Ceased: / /
PBS Number: Not reported

MANHOLE 61101 (Continued) S104953040

Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 07/16/01
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 02/25/01
Date Region Sent Summary to Central Office: / /
True Date : Not reported

Cleanup Meets Std:False
Enforcement Date: / /
UST Involvement: False

This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

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6 NE < 1/8 407 ft. **HUDSON AV SUBSTATION**
111 HUDSON AV
BROOKLYN, NY

NY Spills S104881276
N/A

Relative: Lower
Actual: 23 ft.

SPILLS:
Spill Number: 0010711
Spill Date: 12/26/2000 13:25
ID: Not reported
Dt Call Received: Not reported
Material Spilled 1 Not reported
Spill Cause: Equipment Failure
Water Affected: Not reported
Facility Contact: SAME
Investigator: OKWUOHA
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: STEVE ROMERO
Spiller: CON ED
Spiller Address: 4 IRVING PLACE
MANHATTAN, NY
DEC Remarks : Not reported
Remark: LEAK ON FILL LINE BREAKER 2 - UNK PCB COUNT - CON ED 134891 NO SEWERS OR WATERWAYS
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Region of Spill: 2
Reported to Dept: 12/26/00 14:19
Region Close Date Not reported
Amount Spilled 1 : Not reported
Resource Affected: On Land
Spill Source: Other Commercial/Industrial
Facility Tele: (212) 580-6763
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: (212) 580-6763

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 1
Units: Gallons
Unknown Qty Spilled: Yes
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIELECTRIC FLUID

HUDSON AV SUBSTATION (Continued) — S104881276

Class Type: Petroleum
Chem Abstract Service Number: DIELECTRIC FLUID
Last Date: Not reported
Num Times Material Entry In File: 41
Spill Closed Dt: / /
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Record Last Update: 12/28/00
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 12/26/00
Date Region Sent Summary to Central Office: / /
True Date: Not reported

B7
West
< 1/8
432 ft.

Relative: Higher

Actual: 32 ft.

CHASE MANHATTAN BANK
4 CHASE METROTECH CENTER
BROOKLYN, NY 11245

RCRA-SQG 1000990606
FINDS NY0001016641

Site 3 of 3 in cluster B

RCRAInfo:
Owner: CHASE MANHATTAN BANK
(718) 242-5152
EPA ID: NY0001016641
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

8
SSW
< 1/8
443 ft.

Relative: Higher

Actual: 45 ft.

N Y TELEPHONE
101 FLEET PL
BKLN, NY

LTANKS S100167692
N/A

LTANKS:
Spill Number: 8902455
Region of Spill: 2
Spill Date: 06/08/1989 14:00
Reported to Dept: 06/09/89 06:38
ID: Not reported
Date Call Received: Not reported
Material Spilled 1: Not reported
Amount Spilled 1: Not reported
Region Close Dt: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Facility Contact: Not reported
Facility Tele: (718) 330-8474

N Y TELEPHONE (Continued) S100167692

Investigator: SULLIVAN
SWIS: 61
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: SAME
Spiller Address: ROGER BEAUDRY
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
PBS Number: 2-344176
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 11/13/92
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 06/09/89
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: ONE 2K TANK, AIR PRESSURE LOSS = 4LBS. FOUR 550 GAL TANKS - PRESSURE LOSS = 3LBS.

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
C9 WNW < 1/8 462 ft.	MAHOLE #1929 IFO 343 GOLD ST BROOKLYN, NY	NY Spills	S104952253 N/A

Site 1 of 3 in cluster C

Relative: Lower

Actual: 30 ft.

SPILLS:

Spill Number:	0011382	Region of Spill:	2
Spill Date:	01/19/2001 11:30	Reported to Dept:	01/19/01 12:03
ID:	Not reported		
Dt Call Received:	Not reported	Region Close Date	Not reported
Material Spilled 1 :	Not reported	Amount Spilled 1 :	Not reported
Spill Cause:	Unknown	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Unknown
Facility Contact:	UNK	Facility Tele:	(000) 000-0000
Investigator:	FOLEY	SWIS:	61
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS :	Not reported		
Spiller Contact:	CHARLIE MCCARTHY	Spiller Phone:	(212) 580-6763
Spiller:	UNK		
Spiller Address:	UNK UNK		
DEC Remarks :	Not reported		
Remark:	8 gals not on any water - sample taken - clean up pending lab results con ed 135168		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	8
Units:	Gallons
Unknown Qty Spilled:	8
Quantity Recovered:	0
Unknown Qty Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	Petroleum
Chem Abstract Service Number:	UNKNOWN PETROLEUM
Last Date:	09/29/1994
Num Times Material Entry In File:	16414

Spill Closed Dt:	/ /		
Spill Notifier:	Local Agency	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /	Cleanup Meets Std:	False
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Dt:	/ /	Enforcement Date:	/ /
Invstgn Complete:	/ /	UST Involvement:	False
Spill Record Last Update:	01/22/01		
Is Updated:	False		
Corrective Action Plan Submitted:	/ /		

MAHOLE #1929 (Continued) S104952253

Date Spill Entered In Computer Data File: 01/19/01
Date Region Sent Summary to Central Office: / /
True Date : Not reported

D10 NNW < 1/8 473 ft. **MANHOLE #60331**
PRINCE ST / JOHNSON AVE
BROOKLYN, NY

NY Spills S104510317
N/A

Relative: Lower

Actual: 24 ft.

Site 1 of 4 in cluster D

SPILLS:

Spill Number:	9913484	Region of Spill:	2
Spill Date:	02/28/2000 16:04	Reported to Dept:	02/28/00 17:32
ID:	Not reported		
Dt Call Received:	Not reported	Region Close Date	Not reported
Material Spilled 1 :	Not reported	Amount Spilled 1 :	Not reported
Spill Cause:	Equipment Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Facility Contact:	MARK SCHLEGEL	Facility Tele:	(212) 580-6763
Investigator:	O'CONNELL	SWIS:	61
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS :	Not reported		
Spiller Contact:	MARK SCHLEGEL	Spiller Phone:	(212) 580-6763
Spiller:	MANHOLE #60331		
Spiller Address:	PRINCE ST & JOHNSON AVE BROOKLYN		
DEC Remarks :	Not reported		
Remark:	SPILL WAS DUE TO A FAULTY CABLE-SAMPLE TAKEN-CLEANUP PENDING LAB RESULTS- CON ED 130171.		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	0
Units:	Gallons
Unknown Qty Spilled:	No
Quantity Recovered:	0
Unknown Qty Recovered:	True
Material:	DIELECTRIC FLUID
Class Type:	Petroleum
Chem Abstract Service Number:	DIELECTRIC FLUID
Last Date:	Not reported
Num Times Material Entry In File:	41

Spill Closed Dt:	/ /		
Spill Notifier:	Responsible Party	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /	Cleanup Meets Std:	False
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Dt:	/ /	Enforcement Date:	/ /

MANHOLE #60331 (Continued) S104510317

Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: 03/01/00
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 02/28/00
Date Region Sent Summary to Central Office: / /
True Date : Not reported

D11 NNW < 1/8 473 ft. **MANHOLE** **NY Spills** **S104510346**
JOHNSON ST / PRINCE ST **N/A**
BROOKLYN, NY

Relative: Lower

Actual: 24 ft.

Site 2 of 4 in cluster D

SPILLS:

Spill Number:	9913524	Region of Spill:	2
Spill Date:	02/29/2000 13:15	Reported to Dept:	02/29/00 14:14
ID:	Not reported		
Dt Call Received:	Not reported	Region Close Date	Not reported
Material Spilled 1 :	Not reported	Amount Spilled 1 :	Not reported
Spill Cause:	Equipment Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Facility Contact:	Not reported	Facility Tele:	( ) -
Investigator:	O'CONNELL	SWIS:	61
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS :	Not reported		
Spiller Contact:	BRIAN JOYCE	Spiller Phone:	(212) 580-6763
Spiller:	CON ED		
Spiller Address:	4 IRVING PL NEW YORK, NY		
DEC Remarks :	2/29/00, 2350 hrs: Update from Mike Caesar, Con Ed CIG - PCB count 189 ppm.		
Remark:	LEAK IN CABLE - SPILL CONTAINED IN MANHOLE - CLEAN UP PENDING LAB RESULTS - CON ED 130185 - THERE IS MUD IN MANHOLE		
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	1
Units:	Gallons
Unknown Qty Spilled:	Yes
Quantity Recovered:	0
Unknown Qty Recovered:	False
Material:	DIELECTRIC FLUID
Class Type:	Petroleum
Chem Abstract Service Number:	DIELECTRIC FLUID
Last Date:	Not reported
Num Times Material Entry In File:	41

MANHOLE (Continued) S104510346

Spill Closed Dt: / /
Spill Notifier: Responsible Party
Cleanup Ceased: / /
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 03/01/00
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 02/29/00
Date Region Sent Summary to Central Office: / /
True Date : Not reported

PBS Number: Not reported
Cleanup Meets Std:False
Enforcement Date: / /
UST Involvement: False

C12 WNW < 1/8 491 ft. **EXXONMOBIL S/S 17-EGA**
185 FLATBUSH AVE EXT
BROOKLYN, NY 11201

UST U001839151
N/A

Site 2 of 3 in cluster C

Relative: Lower

Actual: 30 ft.

PBS UST:
PBS Number: 2-157783
SPDES Number: Not reported
Operator: WENKO TSAI
(718) 858-6452
Emergency Contact: EXXONMOBIL OIL CORP.
(800) 662-4567
Total Tanks: 7
Owner: EXXONMOBIL OIL CORP
3225 GALLOWS RD.
FAIRFAX, VA 22037
(703) 849-5862
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Mobil Oil Company
Mailing Address: EXXONMOBIL OIL CORP. C/O NDE ENVIRON.
ATTN: EMILY MILLER
P. O. BOX 142667
AUSTIN, TX 78714
(800) 800-4633
Tank Status: In Service
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 700
Tank Type: Fiberglass reinforced plastic [FRP]
Tank Internal: NONE
Pipe Location: Not reported
Tank External: NONE/FIBERGLASS
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE/DOUBLED-WALLED TANK
Leak Detection: NONE/INTERSTITIAL MONITORING
Overfill Prot: Float Vent Valve, Catch Basin
Date Tested: Not reported
Date Closed: Not reported
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 21550

CBS Number: Not reported
SWIS ID: 6101
Install Date: 10/01/1988
Product Stored: USED OIL
Pipe Internal: Not reported
Pipe Type: Not reported
Dispenser: Not reported
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing
Renewal Date: Not reported

EXXONMOBIL S/S 17-EGA (Continued) U001839151

Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/01/1999
Old PBS Number:	Not reported	Expiration Date:	10/29/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-157783	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	WENKO TSAI (718) 858-6452		
Emergency Contact:	EXXONMOBIL OIL CORP. (800) 662-4567		
Total Tanks:	7		
Owner:	EXXONMOBIL OIL CORP 3225 GALLOWS RD. FAIRFAX, VA 22037 (703) 849-5862		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Mobil Oil Company		
Mailing Address:	EXXONMOBIL OIL CORP. C/O NDE ENVIRON. ATTN: EMILY MILLER P. O. BOX 142667 AUSTIN, TX 78714 (800) 800-4633		
Tank Status:	In Service		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	100	Install Date:	10/01/1988
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	Not reported
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/FIBERGLASS		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	IMPRESSED CURRENT		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Prot:	Float Vent Valve, Catch Basin	Dispenser:	Submersible
Date Tested:	10/01/1990	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	21550	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/01/1999
Old PBS Number:	Not reported	Expiration Date:	10/29/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		

EXXONMOBIL S/S 17-EGA (Continued) U001839151

Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-157783	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	WENKO TSAI (718) 858-6452		
Emergency Contact:	EXXONMOBIL OIL CORP. (800) 662-4567		
Total Tanks:	7		
Owner:	EXXONMOBIL OIL CORP 3225 GALLOWS RD. FAIRFAX, VA 22037 (703) 849-5862		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Mobil Oil Company		
Mailing Address:	EXXONMOBIL OIL CORP. C/O NDE ENVIRON. ATTN: EMILY MILLER P. O. BOX 142667 AUSTIN, TX 78714 (800) 800-4633		
Tank Status:	In Service		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	200	Install Date:	10/01/1988
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/FIBERGLASS		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	NONE/IMPRESSED CURRENT		
Second Containment:	NONE/DOUBLED-WALLED TANK		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Prot:	Float Vent Valve, Catch Basin	Dispenser:	Submersible
Date Tested:	10/01/1990	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	21550	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/01/1999
Old PBS Number:	Not reported	Expiration Date:	10/29/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

EXXONMOBIL S/S 17-EGA (Continued) U001839151

PBS Number:	2-157783	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	WENKO TSAI (718) 858-6452		
Emergency Contact:	EXXONMOBIL OIL CORP. (800) 662-4567		
Total Tanks:	7		
Owner:	EXXONMOBIL OIL CORP 3225 GALLOWS RD. FAIRFAX, VA 22037 (703) 849-5862		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Mobil Oil Company		
Mailing Address:	EXXONMOBIL OIL CORP. C/O NDE ENVIRON. ATTN: EMILY MILLER P. O. BOX 142667 AUSTIN, TX 78714 (800) 800-4633		
Tank Status:	In Service		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	300	Install Date:	10/01/1988
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	UNLEADED GASOLINE
Tank Internal:	FIBERGLASS LINER [FRP]	Pipe Internal:	Not reported
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	FIBERGLASS		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	IMPRESSED CURRENT		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING		
Overfill Prot:	Float Vent Valve, Catch Basin	Dispenser:	Submersible
Date Tested:	10/01/1990	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	21550	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/01/1999
Old PBS Number:	Not reported	Expiration Date:	10/29/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-157783	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	WENKO TSAI (718) 858-6452		
Emergency Contact:	EXXONMOBIL OIL CORP.		

EXXONMOBIL S/S 17-EGA (Continued) U001839151

	(800) 662-4567
Total Tanks:	7
Owner:	EXXONMOBIL OIL CORP 3225 GALLOWS RD. FAIRFAX, VA 22037 (703) 849-5862
Owner Type:	Corporate/Commercial
Owner Mark:	First Owner
Owner Subtype:	Mobil Oil Company
Mailing Address:	EXXONMOBIL OIL CORP. C/O NDE ENVIRON. ATTN: EMILY MILLER P. O. BOX 142667 AUSTIN, TX 78714 (800) 800-4633
Tank Status:	In Service
Capacity (gals):	4000
Tank Location:	UNDERGROUND
Tank Id:	400
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	FIBERGLASS LINER [FRP]
Pipe Location:	Underground
Tank External:	FIBERGLASS
Missing Data for Tank:	Minor Data Missing
Pipe External:	NONE/IMPRESSED CURRENT
Second Containment:	DOUBLED-WALLED TANK
Leak Detection:	INTERSTITIAL MONITORING
Overfill Prot:	Float Vent Valve, Catch Basin
Date Tested:	10/01/1990
Date Closed:	Not reported
Deleted:	False
Dead Letter:	False
FAMT:	Fiscal amount for registration fee is correct
Total Capacity:	21550
Tank Screen:	Minor data missing
Renew Flag:	Renwal has not been printed
Certification Flag:	False
Old PBS Number:	Not reported
Inspected Date:	Not reported
Inspection Result:	Not reported
Lat/long:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Town or City:	NEW YORK CITY
Town or City Code:	01
County Code:	61
Region:	2

Install Date:	10/01/1988
Product Stored:	UNLEADED GASOLINE
Pipe Internal:	Not reported
Pipe Type:	GALVANIZED STEEL
Dispenser:	Submersible
Next Test Date:	Not reported
Test Method:	Not reported
Updated:	True
Owner Screen:	No data missing
Renewal Date:	Not reported
Federal ID:	Not reported
Facility Screen:	No data missing
Certification Date:	02/01/1999
Expiration Date:	10/29/2002
Inspector:	Not reported

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
18 additional NY PBS record(s) in the EDR Site Report.

C13 WNW < 1/8 491 ft. — **MOBIL OIL CORP SS #EGA**, **185 FLATBUSH AVE EXT**, **BROOKLYN, NY 11201** — **RCRA-SQG** 1000553833; **FINDS** NYD986962678; **NY Spills**

Site 3 of 3 in cluster C

Relative: Lower

Actual: 30 ft.

RCRAInfo:

Owner: MOBIL OIL CORP
(703) 849-3330
EPA ID: NYD986962678

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
Resource Conservation and Recovery Act Information system

SPILLS:

Spill Number:	0102640	Region of Spill:	2
Spill Date:	05/31/2001	Reported to Dept:	06/08/01 16:37
ID:	Not reported		
Dt Call Received:	Not reported	Region Close Date	Not reported
Material Spilled 1 :	Not reported	Amount Spilled 1 :	Not reported
Spill Cause:	Unknown	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Gas Station
Facility Contact:	DENISE GRADLE	Facility Tele:	(516) 876-4653
Investigator:	SIGONA	SWIS:	61
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS :	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	(718) 858-6452
Spiller:	EXXON MOBIL		
Spiller Address:	-		
DEC Remarks :	Not reported		

Remark: FINLEY NICOL WAS ON SITE DOING SOME REPAIRS TO A CATCH BASIN. SOIL CONTAMINATION WAS FOUND IN THE CATCH BASIN. 2 DRUMS OF CONTAMINATED SOIL WERE REMOVED.

Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	0
Units:	Gallons
Unknown Qty Spilled:	No
Quantity Recovered:	0
Unknown Qty Recovered:	True

MOBIL OIL CORP SS #EGA (Continued) 1000553833

Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 06/11/01
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 06/08/01
Date Region Sent Summary to Central Office: / /
True Date : Not reported

PBS Number: Not reported
Cleanup Meets Std:False
Enforcement Date: / /
UST Involvement: False

D14
NNW
< 1/8
520 ft.

LUBA ORGANIZATION
176 JOHNSON STREET
BROOKLYN, NY 11201

UST U001831697
N/A

Site 3 of 4 in cluster D

Relative:
Lower

Actual:
25 ft.

PBS UST:
PBS Number: 2-062847
SPDES Number: Not reported
Operator: PEDRO SILVA
(718) 624-7059
Emergency Contact: MARTY GURARU
(212) 840-1117
Total Tanks: 1
Owner: LUBA ORGANIZATION
48 WEST 48TH STREET
NEW YORK, NY 10036
(212) 840-1117
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: LUBA ORGANIZATION
ATTN: SUPER FACILITY MANAGER
176 JOHNSON STREET
BROOKLYN, NY 11201
(718) 624-7059
Tank Status: In Service
Capacity (gals): 5000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: None
Tank External: NONE/NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE/NONE
Second Containment: NONE/NONE
Leak Detection: NONE/NONE
Overfill Prot: Product Level Gauge
Date Tested: 01/01/1995

CBS Number: Not reported
SWIS ID: 6101

Install Date: Not reported
Product Stored: NOS 1,2, OR 4 FUEL OIL
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: 01/01/2000

LUBA ORGANIZATION (Continued) U001831697

Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	5000	Renewal Date:	11/13/2001
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/14/1998
Old PBS Number:	Not reported	Expiration Date:	03/10/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

D15
NNW
< 1/8
520 ft.

176 JOHNSON STREET
176 JOHNSON ST
BROOKLYN, NY

NY Spills **S102142103**
N/A

Site 4 of 4 in cluster D

Relative:
Lower

Actual:
25 ft.

SPILLS:

Spill Number:	8909452	Region of Spill:	2
Spill Date:	12/30/1989 11:30	Reported to Dept:	12/30/89 13:28
ID:	Not reported		
Dt Call Received:	Not reported	Region Close Date	Not reported
Material Spilled 1 :	Not reported	Amount Spilled 1 :	Not reported
Spill Cause:	Human Error	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Private Dwelling
Facility Contact:	Not reported	Facility Tele:	(212) 328-3275
Investigator:	SIGONA	SWIS:	61
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS :	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	MB TRUCKING		
Spiller Address:	Not reported		
DEC Remarks :	12/31/89: COMPANY SPILL TEAM CLEANING UP SPILL.		
Remark:	CUSTOMER OVERORDERED RESULTING IN OVERFLOW.		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	10
Units:	Gallons
Unknown Qty Spilled:	10
Quantity Recovered:	0

176 JOHNSON STREET (Continued) S102142103

Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
Spill Closed Dt: 12/08/92
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: 12/08/92
Last Inspection: / /
Cleanup Meets Std:True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: 12/10/92
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/10/90
Date Region Sent Summary to Central Office: / /
True Date : Not reported

E16
South
< 1/8
568 ft.

Relative:
Higher

Actual:
47 ft.

APARTMENT BUILDING
175 WILLOUGHBY ST
BROOKLYN, NY

NY Spills S106125159
N/A

Site 1 of 4 in cluster E

SPILLS:
Spill Number: 0311295
Region of Spill: 2
Tank Number: Not reported
Tank Size : Not reported
Test Method: Not reported
Leak Rate: Not reported
Spill Date: 11/04/03
Reported to Dept: / /
ID: 34720
Date Call Received: 01/06/04
Region Close Date : 01/08/04
Material Spilled 1 #2 FUEL OIL
Amount Spilled 1 : Unknown lbs.
Spill Cause: AIR
Resource Affected: AIR
Water Affected: Not reported
Spill Source: OTHER NON COMM/INSTITUTIONAL
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

E17
South
< 1/8
568 ft.

Relative:
Higher

Actual:
47 ft.

UNIVERSITY TOWERS APTS
175 WILLOUGHBY ST
BROOKLYN, NY 11201

UST U000416885
N/A

Site 2 of 4 in cluster E

PBS UST:
PBS Number: 2-210943
CBS Number: Not reported
SPDES Number: Not reported
SWIS ID: 6101
Operator: TOWERS MANAGEMENT CORP
(718) 522-0320
Emergency Contact: MICHAEL A. URENA
(718) 738-3706
Total Tanks: 1
Owner: UNIVERSITY TOWERS APTS CORP.
505 PARK AVE.

UNIVERSITY TOWERS APTS (Continued) U000416885

NEW YORK, NY 10022
(212) 838-0200

Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	UNIVERSITY TOWERS APTS CORP. 505 PARK AVE. NEW YORK, NY 10022 (212) 838-0200		
Tank Status:	In Service		
Capacity (gals):	20000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1961
Tank Type:	Steel/carbon steel	Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Internal:	EPOXY LINER	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	JACKETED		
Missing Data for Tank:	No Missing Data		
Pipe External:	WRAPPED [PIPING]		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	08/13/1997
Old PBS Number:	Not reported	Expiration Date:	06/30/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	APARTMENT BUILDING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

F18
NW
< 1/8
589 ft.

PEPPER & POTTER INC
329 GOLD ST
BROOKLYN, NY 11201

RCRA-SQG 1000346041
FINDS NYD981492572

Site 1 of 3 in cluster F

Relative:
Lower

Actual:
27 ft.

PEPPER & POTTER INC (Continued) 1000346041

RCRAInfo:
Owner: PEPPER & POTTER INC
(212) 555-1212
EPA ID: NYD981492572
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

F19 NW < 1/8 589 ft. **PEPPER & POTTER, INC**
329 GOLD ST
BKLN, NY 11201

UST U003074772
AST N/A

Site 2 of 3 in cluster F

Relative: Lower
Actual: 27 ft.

PBS UST:

PBS Number:	2-350648	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	METECH MOTORS INC. (718) 834-5790		
Emergency Contact:	ROBERT M POTTER (718) 638-1337		
Total Tanks:	0		
Owner:	329 GOLD ST ASSOCS 125 FLATBUSH AV EXT BKLN, NY 11201 (718) 834-5770		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	329 GOLD ST ASSOCS 125 FLATBUSH AV EXT BKLN, NY 11201 (718) 834-5770		
Tank Status:	Closed - Removed		
Capacity (gals):	1080		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	10/01/1993
Tank Type:	Steel/carbon steel	Product Stored:	OTHER
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	11/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		

PEPPER & POTTER, INC (Continued) U003074772

Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/12/1993
Old PBS Number:	Not reported	Expiration Date:	06/28/1998
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER RETAIL SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-350648	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	METECH MOTORS INC. (718) 834-5790		
Emergency Contact:	ROBERT M POTTER (718) 638-1337		
Total Tanks:	0		
Owner:	329 GOLD ST ASSOCS 125 FLATBUSH AV EXT BKLN, NY 11201 (718) 834-5770		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	329 GOLD ST ASSOCS 125 FLATBUSH AV EXT BKLN, NY 11201 (718) 834-5770		
Tank Status:	Closed - Removed		
Capacity (gals):	1500		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	10/01/1993
Tank Type:	Steel/carbon steel	Product Stored:	LUBE OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	11/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/12/1993
Old PBS Number:	Not reported	Expiration Date:	06/28/1998
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		

PEPPER & POTTER, INC (Continued) U003074772

Lat/long:	Not reported
Facility Type:	OTHER RETAIL SALES
Town or City:	NEW YORK CITY
Town or City Code:	01
County Code:	61
Region:	2

PBS AST:

PBS Number:	2-350648	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6101
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.		
Facility Type:	OTHER RETAIL SALES		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	329 GOLD ST ASSOCS 125 FLATBUSH AV EXT BKLN, NY 11201		
Owner Phone:	(718) 834-5770		
Facility Phone:	(718) 834-5790		
Operator:	METECH MOTORS INC.		
Emergency Name:	ROBERT M POTTER		
Emergency Phone:	(718) 638-1337		
Total Tanks:	0		
Total Capacity:	0		
Tank ID:	001		
Capacity (Gal):	5000		
Missing Data for Tank :	Minor data missing		
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	12/01/1970		
Tank Internal:	Not reported		
Tank External:	Not reported		
Tank Containment:	VAULT		
Pipe Type:	GALVANIZED STEEL		
Pipe Location:	Not reported		
Pipe Internal:	Not reported		
Pipe External:	Not reported		
Leak Detection:	NONE		
Overfill Protection:	Product Level Gauge		
Dispenser Method:	Gravity		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	02/01/1995	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	329 GOLD ST ASSOCS		
Mailing Address:	125 FLATBUSH AV EXT BKLN, NY 11201		
Mailing Contact:	Not reported		
Mailing Telephone:	(718) 834-5770		
Owner Mark:	First Owner	Expiration Date:	06/28/1998
Certification Flag:	False	Certification Date:	11/12/1993
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		

PEPPER & POTTER, INC (Continued) U003074772

Facility Screen:	No data missing
Owner Screen:	Minor data missing
Tank Screen:	0
Town or City:	NEW YORK CITY
Town or City Code:	01
County Code:	61
Region:	2
Fiscal Amount for Registration Fee is Correct:	True

E20 South < 1/8 598 ft. **UNIVERSITY TOWERS APTS CORP.** UST U001833735
191 WILLOUGHBY ST N/A
BROOKLYN, NY 11201

Site 3 of 4 in cluster E

Relative: Higher

Actual: 45 ft.

PBS UST:

PBS Number:	2-210951	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	TOWERS MANAGEMENT CO (718) 522-0320		
Emergency Contact:	MICHAEL A. URENA (718) 738-3706		
Total Tanks:	1		
Owner:	UNIVERSITY TOWERS APTS CORP. 505 PARK AVE. NEW YORK, NY 10022 (212) 838-0200		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	UNIVERSITY TOWERS APTS CORP. 505 PARK AVE. NEW YORK, NY 10022 (212) 838-0200		
Tank Status:	In Service		
Capacity (gals):	20000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1961
Tank Type:	Steel/carbon steel	Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Internal:	EPOXY LINER	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	JACKETED		
Missing Data for Tank:	No Missing Data		
Pipe External:	WRAPPED [PIPING]		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	08/13/1997
Old PBS Number:	Not reported	Expiration Date:	06/30/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		

UNIVERSITY TOWERS APTS CORP. (Continued) U001833735

Lat/long:	Not reported
Facility Type:	APARTMENT BUILDING
Town or City:	NEW YORK CITY
Town or City Code:	01
County Code:	61
Region:	2

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21 SSW < 1/8 623 ft. — **NYC DEPARTMENT OF HEALTH**
FORT GREENE DISTRICT HEALTH CENTER
BROOKLYN, NY 11201

UST U001838023
N/A

Relative: Higher
Actual: 50 ft.

PBS UST:

PBS Number:	2-218987	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	JAMES DURRAH, HSM (718) 643-3767		
Emergency Contact:	WAJID FARIDI (212) 676-2201		
Total Tanks:	0		
Owner:	NYC DEPARTMENT OF HEALTH 125 WORTH STREET NEW YORK, N.Y. 10013 (212) 788-5300		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	The City of New York		
Mailing Address:	NYC DEPT. OF HEALTH - BUREAU OF OPERATIONS ATTN: STUART W. MIRSKY 125 WORTH STREET, ROOM 1020, CN 10 NEW YORK,, N.Y. 10013 (212) 788-5300		
Tank Status:	Closed - In Place		
Capacity (gals):	3088		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1971
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	09/01/1988	Next Test Date:	Not reported
Date Closed:	08/01/1998	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/15/1998
Old PBS Number:	Not reported	Expiration Date:	01/07/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		

NYC DEPARTMENT OF HEALTH (Continued) U001838023

Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

F22
NW
< 1/8
639 ft.

TEAM OBSOLETE
315 GOLD ST
BROOKLYN, NY 11201

RCRA-SQG 1000790339
FINDS NYD987018231

Site 3 of 3 in cluster F

Relative:
Lower

Actual:
27 ft.

RCRAInfo:
Owner: ROBERT IANNUCCI
(718) 596-0504
EPA ID: NYD987018231
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

G23
NNE
< 1/8
650 ft.

HUDSON AVE GENERATING ST
1-11 HUDSON AVENUE
BROOKLYN NY, NY

NY Spills S103567603
N/A

Site 1 of 3 in cluster G

Relative:
Lower

Actual:
20 ft.

SPILLS:

Spill Number:	9510126	Region of Spill:	2
Spill Date:	11/14/1995 00:40	Reported to Dept:	11/14/95 02:04
ID:	Not reported		
Dt Call Received:	Not reported	Region Close Date	Not reported
Material Spilled 1 :	Not reported	Amount Spilled 1 :	Not reported
Spill Cause:	Other	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Facility Contact:	STEPHEN ROMERO	Facility Tele:	(212) 580-6763
Investigator:	ENGELHARDT	SWIS:	61
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS :	Not reported		
Spiller Contact:	MR CATUOGNO	Spiller Phone:	(718) 834-3915
Spiller:	CON EDISON		
Spiller Address:	4 IRVING PLACE NEW YORK, NY 10003		
DEC Remarks :	CLEANED BY RP.		
Remark:	PUMP ON BACK OF TRUCK HIT ONE OF THE 55 GAL OIL DRUMS CAUSEING A RUMPTURE IN WHICH IT DID LEAK ABOUT 10 GALLONS THEY ARE IN THE PROCESS OF CLEANING THE SITE NOW NO NEED FOR DEC TO RESPOND		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Tank Test:			

HUDSON AVE GENERATING ST (Continued) S103567603

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 10
Units: Gallons
Unknown Qty Spilled: 10
Quantity Recovered: 10
Unknown Qty Recovered: False
Material: NON PCB OIL
Class Type: Petroleum
Chem Abstract Service Number: NON PCB OIL
Last Date: 09/28/1994
Num Times Material Entry In File: 2798
Spill Closed Dt: 11/20/95
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: 01/29/98
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 11/14/95
Date Region Sent Summary to Central Office: / /
True Date : Not reported

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24 West < 1/8 654 ft. **130 MYRTLE ST**
130 MYRTLE ST
BROOKLYN, NY

LTANKS **S102662887**
N/A

Relative: Higher

Actual: 35 ft.

LTANKS:
Spill Number: 9614371
Region of Spill: 2
Spill Date: 03/11/1997 16:00
Reported to Dept: 03/11/97 17:56
ID: Not reported
Date Call Received:Not reported
Material Spilled 1 :Not reported
Amount Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Spill Source: Tank Truck
Facility Contact: Not reported
Facility Tele: ( ) -
Investigator: MULQUEEN
SWIS: 61
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: UNK
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 12/31/97

130 MYRTLE ST (Continued) S102662887

Spill Notifier: Affected Persons PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 01/06/98
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 03/11/97
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 20
Units: Gallons
Unknown Qty Spilled: 20
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: TANK WAS OVERFILLED BY FUEL COMPANY UNK AT THIS POINT WHO THAT IS

---

25 NNW 1/8-1/4 674 ft. **MIM IMPORT CORP**
78 PRINCE ST
BKLYN, NY 11201

UST U000404644
N/A

Relative: Lower
Actual: 20 ft.

PBS UST:
PBS Number: 2-369918 CBS Number: Not reported
SPDES Number: Not reported SWIS ID: 6101
Operator: BERNARD GUZACK
(718) 875-8758
Emergency Contact: BERNARD GUZACK OWNER
(516) 681-5709
Total Tanks: 0
Owner: BERNARD GUZACK
35 S OAKS BLD
PLAINVIEW, NY 11803
(516) 681-5709
Owner Type: Not reported
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: BERNARD GUZACK
35 S OAKS BLD

MIM IMPORT CORP (Continued) U000404644

PLAINVIEW, NY 11803
(516) 681-5709

Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	3000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	12/22/1991
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

H26 South 1/8-1/4 685 ft. **BROOKLYN COMPUS LIU**
1 UNIVERSITY PLAZA
BROOKLYN, NY 11201

UST U000405884
N/A

Site 1 of 2 in cluster H

Relative: Higher

Actual: 45 ft.

PBS UST:

PBS Number:	2-218308	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	BROOKLYN CAMPUS (718) 403-1079		
Emergency Contact:	WILLIAM CURRAN (718) 403-1079		
Total Tanks:	2		
Owner:	LONG ISLAND UNIVERSITY NORTHERN BOULEVARD BROOKVILLE, NY 11548 (516) 299-2772		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	LONG ISLAND UNIVERSITY NORTHERN BOULEVARD BROOKVILLE, NY 11548 (516) 299-2772		

BROOKLYN COMPUS LIU (Continued) U000405884

Tank Status:	In Service		
Capacity (gals):	20000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1968
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	OTHER		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	06/01/1998	Next Test Date:	06/01/2003
Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	40000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	10/29/1998
Old PBS Number:	Not reported	Expiration Date:	01/07/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-218308	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	BROOKLYN CAMPUS (718) 403-1079		
Emergency Contact:	WILLIAM CURRAN (718) 403-1079		
Total Tanks:	2		
Owner:	LONG ISLAND UNIVERSITY NORTHERN BOULEVARD BROOKVILLE, NY 11548 (516) 299-2772		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	LONG ISLAND UNIVERSITY NORTHERN BOULEVARD BROOKVILLE, NY 11548 (516) 299-2772		
Tank Status:	In Service		
Capacity (gals):	20000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	12/01/1968
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON

BROOKLYN COMPUS LIU (Continued) U000405884

Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	OTHER		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	06/01/1998	Next Test Date:	06/01/2003
Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	40000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	10/29/1998
Old PBS Number:	Not reported	Expiration Date:	01/07/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-218308	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	BROOKLYN CAMPUS (718) 403-1079		
Emergency Contact:	WILLIAM CURRAN (718) 403-1079		
Total Tanks:	2		
Owner:	LONG ISLAND UNIVERSITY NORTHERN BOULEVARD BROOKVILLE, NY 11548 (516) 299-2772		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	LONG ISLAND UNIVERSITY NORTHERN BOULEVARD BROOKVILLE, NY 11548 (516) 299-2772		
Tank Status:	Tank Converted to Non-Regulated Use		
Capacity (gals):	1000		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	12/01/1968
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	OTHER		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported

BROOKLYN COMPUS LIU (Continued) U000405884

Date Closed:	08/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	40000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	10/29/1998
Old PBS Number:	Not reported	Expiration Date:	01/07/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

H27
South
1/8-1/4
685 ft.

1 UNIVERSITY PLAZA
1 UNIVERSITY PLAZA
BROOKLYN, NY

LTANKS S100879071
NY Spills N/A

Site 2 of 2 in cluster H

Relative:
Higher

Actual:
45 ft.

SPILLS:

Spill Number:	9313220	Region of Spill:	2
Spill Date:	02/07/1994 00:30	Reported to Dept:	02/08/94 08:26
ID:	Not reported		
Dt Call Received:	Not reported	Region Close Date	Not reported
Material Spilled 1	Not reported	Amount Spilled 1 :	Not reported
Spill Cause:	Equipment Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	KRIMGOLD	SWIS:	61
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS :	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	WHALCO OIL		
Spiller Address:	1 COFFEY ST. BROOKLYN, NY		
DEC Remarks :	Not reported		
Remark:	DRIVER OPENED AIR VENT ON TRUCK IT WAS BACKED UP AND SPILLED ONTO SIDEWALK - SPEEDI DRI APPLIED AND PICKED UP - NO OTHER AGENCIES ON SITE, NO CALL BACK -		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	1

1 UNIVERSITY PLAZA (Continued) S100879071

Units: Gallons
Unknown Qty Spilled: Yes
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
Spill Closed Dt: 02/08/94
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: 02/08/94
Last Inspection: / /
Cleanup Meets Std: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 02/08/94
Date Region Sent Summary to Central Office: / /
True Date : Not reported

LTANKS:
Spill Number: 9312175
Region of Spill: 2
Spill Date: 01/16/1994 09:25
Reported to Dept: 01/16/94 09:53
ID: Not reported
Date Call Received: Not reported
Material Spilled 1 : Not reported
Amount Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: O'DOWD
SWIS: 61
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: SAME
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 01/16/94
Spill Notifier: Fire Department
PBS Number: Not reported
Cleanup Ceased: 01/16/94
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported

1 UNIVERSITY PLAZA (Continued) S100879071

Date Spill Entered In Computer Data File: 01/20/94
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 100
Units: Gallons
Unknown Qty Spilled: 100
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: Not reported
Spill Cause: TRANSFERRING OIL FROM ONE TANK TO ANOTHER, OVERFILL OUT OF VENT - NYCFD DEP ON SCENE SPILLER NEEDS CONTRACTOR TO CLEAN IT UP - NO CALL BACK. 230 /PM BUSY CONTACT N/A @ KEVIN EASAN S.

Spill Number: 9312459 | Region of Spill: 2
Spill Date: 01/24/1994 02:30 | Reported to Dept: 01/24/94 03:44
ID: Not reported | Date Call Received: Not reported
Material Spilled 1 : Not reported | Amount Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported | Spill Source: Other Commercial/Industrial
Facility Contact: Not reported | Facility Tele: Not reported
Investigator: SIGONA | SWIS: 61
Caller Name: Not reported | Caller Agency: Not reported
Caller Phone: Not reported | Caller Extension: Not reported
Notifier Name: Not reported | Notifier Agency: Not reported
Notifier Phone: Not reported | Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: Not reported | Spiller Phone: Not reported
Spiller: LONG ISLAND UNIVERSITY
Spiller Address: 1 UNIVERSITY PLAZA
BROOKLYN
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt: 01/06/95
Spill Notifier: Responsible Party | PBS Number: Not reported
Cleanup Ceased: 01/06/95
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False

1 UNIVERSITY PLAZA (Continued) S100879071

Spill Record Last Update: 01/06/95
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 01/28/94
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 125
Units: Gallons
Unknown Qty Spilled: 125
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: Not reported
Spill Cause: SPILL OCURRED WHEN THE OPERATOR LEFT THE TANKS UNATTENDED DURING FUEL TR ANSFER OPERATION, NYC FD, CON-EDISON, DEPT ABC CONTRACTOR TO CLEAN UP TH E SPILL. DEC SIGONA INVESTIGATED SPILL SITE/CLEANUP

E28 **316 FLATBUSH AV** LTANKS S102671360
South **316 FLATBUSH AV** N/A
1/8-1/4 **BKLN, NY**
690 ft.

Site 4 of 4 in cluster E

Relative: Higher
Actual: 48 ft.

LTANKS:
Spill Number: 8809483
Spill Date: 03/09/1989 10:00
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: In Sewer
Spill Cause: Tank Overfill
Water Affected: Not reported
Facility Contact: Not reported
Investigator: GRATHWOL
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: ORIGINAL OIL
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: 03/23/89
Spill Notifier: Fire Department
Cleanup Ceased: 03/23/89

Region of Spill: 2
Reported to Dept: 03/09/89 10:24
Date Call Received: Not reported
Amount Spilled 1 : Not reported
Spill Source: Other Commercial/Industrial
Facility Tele: (212) 893-3200
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

316 FLATBUSH AV (Continued) S102671360

Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 03/31/89
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 03/10/89
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 70
Units: Gallons
Unknown Qty Spilled: 70
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
DEC Remarks: Not reported
Spill Cause: OIL SPILL DURING DELIVERY, OVERFLOW GETS INTO SUBWAY GRATING. NYFD RESP ONDS PUTS DOWN SPEEDI-DRY,ORIGINAL OIL SENDING CLEAN UP CREW, CLEAN UP F INISHED BY CONTRACTOR SUBWAY CREW,NO MORE SEEPAGE

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29 **LONG ISLAND COLLEGE HOSPITAL** RCRA-SQG 1000231926
SSE **LONG ISLAND COLLEGE HOSPITAL** FINDS NYD982279614
1/8-1/4 **BROOKLYN, NY 11205**
693 ft.

Relative: **Higher**

RCRAInfo:
Owner: LONG ISLAND COLLEGE HOSPITAL
(212) 555-1212

Actual: **41 ft.**

EPA ID: NYD982279614
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported

LONG ISLAND COLLEGE HOSPITAL (Continued) 1000231926

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

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30 SW 1/8-1/4 703 ft. **INSTITUTE OF DESIGN AND CONST**
141 WILLOUGHBY ST
BROOKLYN, NY 11201
UST U000393705 N/A

Relative: Higher
Actual: 48 ft.

PBS UST:

PBS Number:	2-043532	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	VINCENT C BATTISTA (718) 855-3661		
Emergency Contact:	JOHN ANSELMO (516) 932-0902		
Total Tanks:	1		
Owner:	INSTITUTE OF DESIGN AND CONST 141 WILLOUGHBY ST BROOKLYN, NY 11201 (718) 855-3661		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	INSTITUTE OF DESIGN AND CONST 141 WILLOUGHBY ST BROOKLYN, NY 11201 (718) 855-3661		
Tank Status:	In Service		
Capacity (gals):	5000		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	001	Install Date:	10/01/1954
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Aboveground	Pipe Type:	STEEL/IRON
Tank External:	PAINTED/ASPHALT COATING		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	VAULT		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	5000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	08/24/2001
Old PBS Number:	Not reported	Expiration Date:	12/02/2006
Inspected Date:	Not reported	Inspector:	Not reported

INSTITUTE OF DESIGN AND CONST (Continued) — U000393705

Inspection Result: Not reported
Lat/long: Not reported
Facility Type: SCHOOL, OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

G31 NNE 1/8-1/4 719 ft. — **NYCHA - INGERSOL HOUSES**, **120 NAVY WALK**, **BROOKLYN, NY 11201** — RCRA-SQG, FINDS — 1004760331, NYR000040600

Site 2 of 3 in cluster G

Relative: Lower
Actual: 21 ft.

RCRAInfo:
Owner: NYC HOUSING AUTH
(212) 306-3229
EPA ID: NYR000040600
Contact: FRANK OCELLO
(212) 306-3229
Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

I32 SW 1/8-1/4 772 ft. — **SUNOCO SERVICE STATION**, **85 FLATBUSH AVE EXT**, **BROOKLYN, NY 11201** — RCRA-SQG — 1004756947, NYD982721599

Site 1 of 3 in cluster I

Relative: Higher
Actual: 44 ft.

RCRAInfo:
Owner: SUN CO INC - R & M
(610) 941-9054
EPA ID: NYD982721599
Contact: SUSAN HICKEY
(610) 941-9054
Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

SUNOCO SERVICE STATION (Continued) 1004756947

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

I33 SW 1/8-1/4 772 ft. **SUNOCO 0007-1548**
85 FLATBUSH AVE
BROOKLYN, NY 11201

UST U001839271
N/A

Site 2 of 3 in cluster I

Relative: Higher

Actual: 44 ft.

PBS UST:

PBS Number:	2-339822	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	SENG LIM (718) 625-2273		
Emergency Contact:	GEO PATTERSON (800) 786-9494		
Total Tanks:	3		
Owner:	SUN COMPANY, INC. (R & M) 1801 MARKET STREET 20/10 PC PHILADELPHIA, PA 19103 (215) 977-6337		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	SUN COMPANY, INC. (R & M) ATTN: COMPLIANCE COORDINATOR 1801 MARKET STREET 20/10 PC PHILADELPHIA, PA 19103 (215) 977-6337		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1974
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	06/01/1988	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	PETRO-TITE
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	12000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/11/1998
Old PBS Number:	Not reported	Expiration Date:	11/16/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		

SUNOCO 0007-1548 (Continued) U001839271

Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-339822	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	SENG LIM (718) 625-2273		
Emergency Contact:	GEO PATTERSON (800) 786-9494		
Total Tanks:	3		
Owner:	SUN COMPANY, INC. (R & M) 1801 MARKET STREET 20/10 PC PHILADELPHIA, PA 19103 (215) 977-6337		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	SUN COMPANY, INC. (R & M) ATTN: COMPLIANCE COORDINATOR 1801 MARKET STREET 20/10 PC PHILADELPHIA, PA 19103 (215) 977-6337		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	12/01/1962
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	12000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/11/1998
Old PBS Number:	Not reported	Expiration Date:	11/16/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		

SUNOCO 0007-1548 (Continued) U001839271

Region:	2		
PBS Number:	2-339822	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	SENG LIM (718) 625-2273		
Emergency Contact:	GEO PATTERSON (800) 786-9494		
Total Tanks:	3		
Owner:	SUN COMPANY, INC. (R & M) 1801 MARKET STREET 20/10 PC PHILADELPHIA, PA 19103 (215) 977-6337		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	SUN COMPANY, INC. (R & M) ATTN: COMPLIANCE COORDINATOR 1801 MARKET STREET 20/10 PC PHILADELPHIA, PA 19103 (215) 977-6337		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	12/01/1962
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	12000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/11/1998
Old PBS Number:	Not reported	Expiration Date:	11/16/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-339822	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	SENG LIM		

SUNOCO 0007-1548 (Continued) U001839271

	(718) 625-2273		
Emergency Contact:	GEO PATTERSON		
	(800) 786-9494		
Total Tanks:	3		
Owner:	SUN COMPANY, INC. (R & M)		
	1801 MARKET STREET 20/10 PC		
	PHILADELPHIA, PA 19103		
	(215) 977-6337		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	SUN COMPANY, INC. (R & M)		
	ATTN: COMPLIANCE COORDINATOR		
	1801 MARKET STREET		
	20/10 PC		
	PHILADELPHIA, PA 19103		
	(215) 977-6337		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	12/01/1962
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	12000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/11/1998
Old PBS Number:	Not reported	Expiration Date:	11/16/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-339822	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	SENG LIM		
	(718) 625-2273		
Emergency Contact:	GEO PATTERSON		
	(800) 786-9494		
Total Tanks:	3		
Owner:	SUN COMPANY, INC. (R & M)		

SUNOCO 0007-1548 (Continued) U001839271

1801 MARKET STREET 20/10 PC
PHILADELPHIA, PA 19103
(215) 977-6337

Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	SUN COMPANY, INC. (R & M) ATTN: COMPLIANCE COORDINATOR 1801 MARKET STREET 20/10 PC PHILADELPHIA, PA 19103 (215) 977-6337		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	005	Install Date:	12/01/1962
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	12000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/11/1998
Old PBS Number:	Not reported	Expiration Date:	11/16/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
10 additional NY PBS record(s) in the EDR Site Report.

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
I34 SW 1/8-1/4 772 ft.	SUNOCO SERVICE STATION 85 FLATBUSH EXT BROOKLYN, NY 11217	RCRA-SQG FINDS	1000328911 NYD000816439

Relative: Higher

Actual: 44 ft.

Site 3 of 3 in cluster I

RCRAInfo:

Owner: SUN OIL COMPANY OF PENNSYLVANIA
(212) 555-1212

EPA ID: NYD000816439

Contact: Not reported

Classification: Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
Resource Conservation and Recovery Act Information system

G35 NNE 1/8-1/4 782 ft.	INGERSOLL 85 NAVY WALK BROOKLYN, NY 11205	UST	U001840709 N/A

Relative: Lower

Actual: 23 ft.

Site 3 of 3 in cluster G

PBS UST:

PBS Number: 2-474509
SPDES Number: Not reported
Operator: RAFAEL VELEZ
(212) 306-3142
Emergency Contact: EMERGENCY SERVICE SQUAD
(212) 289-3940
Total Tanks: 1
Owner: NYC HOUSING AUTHORITY
250 BROADWAY
NEW YORK, NY 10007
(212) 306-3142
Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: 51
Mailing Address: NYC HOUSING AUTHORITY
ATTN: FRANK OCELLO
250 BROADWAY
16TH FLOOR
NEW YORK, NY 10007
(212) 306-3142

CBS Number: Not reported
SWIS ID: 6101

Tank Status: Closed - Removed
Capacity (gals): 35000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 1
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: WRAPPED [PIPING]
Second Containment: NONE
Leak Detection: NONE

Install Date: 02/01/1944
Product Stored: NOS 5 OR 6 FUEL OIL
Pipe Internal: Not reported
Pipe Type: STEEL/IRON

INGERSOLL (Continued) U001840709

Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	25000		
Tank Screen:	No data missing	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	11/08/1999
Inspected Date:	Not reported	Expiration Date:	03/28/2004
Inspection Result:	Not reported	Inspector:	Not reported
Lat/long:	Not reported		
Facility Type:	APARTMENT BUILDING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-474509	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	RAFAEL VELEZ (212) 306-3142		
Emergency Contact:	EMERGENCY SERVICE SQUAD (212) 289-3940		
Total Tanks:	1		
Owner:	NYC HOUSING AUTHORITY 250 BROADWAY NEW YORK, NY 10007 (212) 306-3142		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	51		
Mailing Address:	NYC HOUSING AUTHORITY ATTN: FRANK OCELLO 250 BROADWAY 16TH FLOOR NEW YORK, NY 10007 (212) 306-3142		
Tank Status:	Closed - Removed		
Capacity (gals):	35000		
Tank Location:	UNDERGROUND		
Tank Id:	002		
Tank Type:	Steel/carbon steel	Install Date:	02/01/1944
Tank Internal:	Not reported	Product Stored:	NOS 5 OR 6 FUEL OIL
Pipe Location:	1	Pipe Internal:	Not reported
Tank External:	Not reported	Pipe Type:	STEEL/IRON
Missing Data for Tank:	Minor Data Missing		
Pipe External:	WRAPPED [PIPING]		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing

INGERSOLL (Continued) U001840709

FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	25000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/08/1999
Old PBS Number:	Not reported	Expiration Date:	03/28/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	APARTMENT BUILDING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-474509		
SPDES Number:	Not reported	CBS Number:	Not reported
Operator:	RAFAEL VELEZ (212) 306-3142	SWIS ID:	6101
Emergency Contact:	EMERGENCY SERVICE SQUAD (212) 289-3940		
Total Tanks:	1		
Owner:	NYC HOUSING AUTHORITY 250 BROADWAY NEW YORK, NY 10007 (212) 306-3142		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	51		
Mailing Address:	NYC HOUSING AUTHORITY ATTN: FRANK OCELLO 250 BROADWAY 16TH FLOOR NEW YORK, NY 10007 (212) 306-3142		
Tank Status:	In Service		
Capacity (gals):	25000		
Tank Location:	UNDERGROUND		
Tank Id:	001		
Tank Type:	Fiberglass reinforced plastic [FRP]	Install Date:	10/01/1993
Tank Internal:	FIBERGLASS LINER [FRP]	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Pipe Location:	Underground	Pipe Internal:	NONE
Tank External:	FIBERGLASS	Pipe Type:	STEEL/IRON
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	10/01/2008
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	25000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/08/1999

INGERSOLL (Continued) U001840709

Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: APARTMENT BUILDING
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2
Expiration Date: 03/28/2004
Inspector: Not reported

J36
ESE
1/8-1/4
877 ft.

Relative:
Higher

Actual:
33 ft.

UNIVERSITY TOWERS APTS CORP.
122 ASHLAND PLACE
BROOKLYN, NY 11201

UST U000400660
N/A

Site 1 of 3 in cluster J

PBS UST:
PBS Number: 2-210978
SPDES Number: Not reported
Operator: TOWERS MANAGEMENT CORP
(718) 522-0320
Emergency Contact: MICHAEL A. URENA
(718) 738-3706
Total Tanks: 1
Owner: UNIVERSITY TOWERS APTS CORP.
505 PARK AVE.
NEW YORK, NY 10022
(212) 838-0200
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: UNIVERSITY TOWERS APTS CORP.
505 PARK AVE.
NEW YORK, NY 10022
(212) 838-0200
Tank Status: In Service
Capacity (gals): 20000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: EPOXY LINER
Pipe Location: Underground
Tank External: JACKETED
Missing Data for Tank: No Missing Data
Pipe External: WRAPPED [PIPING]
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: Product Level Gauge
Date Tested: Not reported
Date Closed: Not reported
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 20000
Tank Screen: No data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported

CBS Number: Not reported
SWIS ID: 6101
Install Date: 12/01/1961
Product Stored: NOS 5 OR 6 FUEL OIL
Pipe Internal: NONE
Pipe Type: STEEL/IRON
Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 08/13/1997
Expiration Date: 07/14/2002
Inspector: Not reported

UNIVERSITY TOWERS APTS CORP. (Continued) U000400660

Inspection Result: Not reported
Lat/long: Not reported
Facility Type: APARTMENT BUILDING
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

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37 South 1/8-1/4 879 ft.

LONG ISLAND UNIVERSITY
UNIVERSITY PLAZA
BROOKLYN, NY 11201

RCRA-SQG 1000231917
FINDS NYD073130742
NY Spills

Relative: Higher

Actual: 40 ft.

RCRAInfo:
Owner: Not reported
EPA ID: NYD073130742
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 11/26/2001
Actual Date Achieved Compliance: 05/14/2003

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/05/1989
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/27/2002
Penalty Type: Proposed Monetary Penalty

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/24/1988
Actual Date Achieved Compliance: 10/05/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/05/1989
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/27/2002
Penalty Type: Proposed Monetary Penalty

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Proposed Monetary Penalty	9/27/2002	219833	EPA

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20030514
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19891005

LONG ISLAND UNIVERSITY (Continued) 1000231917

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

SPILLS:

Spill Number:	0013405	Region of Spill:	2
Spill Date:	03/16/2001 12:00	Reported to Dept:	03/23/01 10:00
ID:	Not reported		
Dt Call Received:	Not reported	Region Close Date	Not reported
Material Spilled 1 :	Not reported	Amount Spilled 1 :	Not reported
Spill Cause:	Equipment Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Non Commercial/Industrial
Facility Contact:	KATHY O'SULLIVAN	Facility Tele:	(718) 488-3459
Investigator:	SANGESLAND	SWIS:	61
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS :	Not reported		
Spiller Contact:	CALLER	Spiller Phone:	Not reported
Spiller:	LONG ISLAND UNIVERSITY		
Spiller Address:	UNIVERSITY PLAZA BROOKLYN, NY		

DEC Remarks : 3/23/2001 AN ANNONYMOUS CALLER INDICATED THAT THERE HAD BEEN A SPILL IN THE BASEMENT OF 1 UNIVERSITY PLAZA SEVERAL DAYS AGO . ECO MATT DORRETT IS AT THE SITE TODAY TO INTERVIEW PEOPLE INVOLVED. INITITAL REPORTS ARE THAT THERE HAD BEEN A BREAK IN
A FUEL LINE IN THE BASEMENT AND SOME QUANTITY OF 2 FUEL SPILLED INTO A PIT AREA AND FLOOR DRAIN. THIS DRAIN FED INTO A SUMP WHICH WAS THEN PUMPED OUT INTO A CITY SEWER. THE FACILITIES PERSON ON SITE SAID PETROLEUM TANK CLEANERS WAS CALLED IN TO C
LEAN THE SITE. SANGESLAND SPOKE WITH GABE AT PETROLEUM TANK CLEANERS. GABE SAID PTC WAS CALLED ON 3/22 TO CLEAN UP THE PIT AREA. THEY WERE TOLD THAT THE SPILL OCCURRED FROM A BROKEN PIPE AND A PLUMBER JEB) FROM GENERAL PLUMBING HAD FIXED THE LI
NE. PTC SAID THEY WOULD ONLY WORK ON THE CLEANUP IF A SPILL NUMBER HAD BEEN CALLED IN. GABE WENT TO THE SITE AND SAID THE PIT AREA NEEDED CLEANING AND PTC WOULD COME BACK ON MONDAY 3/26 TO FINISH THAT WORK. IT IS UNCLEAR WHETHER THE SPILL IS TOTAL
LY CLEANED AT THIS POINT.

Remark: annon caller advised of broken pipe and spill to ground, and floor drain.

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1

LONG ISLAND UNIVERSITY (Continued) 1000231917

Quantity Spilled: 250
Units: Gallons
Unknown Qty Spilled: 250
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
Spill Closed Dt: / /
Spill Notifier: DEC
Cleanup Ceased: / /
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 05/22/01
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 03/23/01
Date Region Sent Summary to Central Office: / /
True Date : Not reported

PBS Number: Not reported
Cleanup Meets Std:False
Enforcement Date: / /
UST Involvement: False

J38
ESE
1/8-1/4
898 ft.

APARTMENT BUILDING
125 ASHLAND PLACE
BROOKLYN, NY

LTANKS S106124004
N/A

Site 2 of 3 in cluster J

Relative:
Higher

Actual:
33 ft.

LTANKS:

Spill Number: 0311788
Tank Number: 001-south
Test Method: HORNER EZ CHECK
Spill Date: 01/20/04
ID: 35331
Material Spilled 1 :#2 FUEL OIL
Region Close Dt : / /
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported

Region of Spill: 2
Tank Size : 10000
Leak Rate: 0.00
Reported to Dept: / /
Date Call Received:01/20/04
Amount Spilled 1 : Unknown lbs.
Spill Source: OTHER COMM/INDUSTRIAL

Spill Number: 0311788
Tank Number: 001-south
Test Method: HORNER EZ CHECK
Spill Date: 01/20/04
ID: 35332
Material Spilled 1 :#2 FUEL OIL
Region Close Dt : / /
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported

Region of Spill: 2
Tank Size : 10000
Leak Rate: 0.00
Reported to Dept: / /
Date Call Received:01/20/04
Amount Spilled 1 : Unknown lbs.
Spill Source: OTHER COMM/INDUSTRIAL

J39
ESE
1/8-1/4
905 ft.

KINGSVIEW HOMES INC
125 ASHLAND PL
BROOKLYN, NY 11201

RCRA-SQG 1000237191
FINDS NYD074333733
UST

Site 3 of 3 in cluster J

Relative:
Higher

Actual:
33 ft.

RCRAInfo:

Owner: Not reported
EPA ID: NYD074333733

Contact: M JARVIS
(718) 624-5121

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

PBS UST:

PBS Number:	2-279617	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	RICHARD NAPALLINO (718) 875-9225		
Emergency Contact:	MICHAEL CANTOR\\ (718) 833-6600		
Total Tanks:	2		
Owner:	KINGSVIEW HOMES INC 7401 RIDGE BOULEVARD BROOKLYN, NY 11209 (718) 833-6600		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	ARCO METRO MANAGEMENT CORP. ATTN: GUS DIBIASI 2940 AVENUE X BROOKLYN, NY 11235 (718) 332-0777		
Tank Status:	In Service		
Capacity (gals):	10000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Above/Underground Combination	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/JACKETED		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Gravity
Date Tested:	Not reported	Next Test Date:	12/27/1987
Date Closed:	Not reported	Test Method:	Not reported

KINGSVIEW HOMES INC (Continued) 1000237191

Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	08/27/1999
Old PBS Number:	Not reported	Expiration Date:	07/14/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	APARTMENT BUILDING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-279617	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	RICHARD NAPALLINO (718) 875-9225		
Emergency Contact:	MICHAEL CANTOR\\ (718) 833-6600		
Total Tanks:	2		
Owner:	KINGSVIEW HOMES INC 7401 RIDGE BOULEVARD BROOKLYN, NY 11209 (718) 833-6600		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	ARCO METRO MANAGEMENT CORP. ATTN: GUS DIBIASI 2940 AVENUE X BROOKLYN, NY 11235 (718) 332-0777		
Tank Status:	In Service		
Capacity (gals):	10000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Above/Underground Combination	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/JACKETED		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Gravity
Date Tested:	Not reported	Next Test Date:	12/27/1987
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing

KINGSVIEW HOMES INC (Continued) 1000237191

Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: APARTMENT BUILDING
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Certification Date: 08/27/1999
Expiration Date: 07/14/2002
Inspector: Not reported

K40
NNW
1/8-1/4
941 ft.

Relative:
Lower

Actual:
24 ft.

NYPD 84 PRECINCT
301 GOLD ST
BROOKLYN, NY

LTANKS S104951147
N/A

Site 1 of 5 in cluster K

LTANKS:
Spill Number: 0013663
Spill Date: 03/29/2001 15:00
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: JOHN MATRONA
Investigator: SIGONA
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: JOHN MATRONA
Spiller: NYPD 84 PRECINCT
Spiller Address: 301 GOLD ST
BROOKLYN, NY
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 03/30/01
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 03/30/01
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported

Region of Spill: 2
Reported to Dept: 03/30/01 10:14
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: (516) 293-8800
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: (516) 293-8800

PBS Number: Not reported

NYPD 84 PRECINCT (Continued) S104951147

Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: caller states 10000 gal ust on mar 13 and analytical results show soil contamination

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K41
NNW
1/8-1/4
941 ft.

TA POLICE ACADEMY
300 GOLD ST
BROOKLYN, NY 11201

UST U001832989
AST N/A

Site 2 of 5 in cluster K

Relative:
Lower

Actual:
24 ft.

PBS UST:
PBS Number: 2-190152
SPDES Number: Not reported
Operator: NYC TRANSIT AUTHORITY
(718) 330-4863
Emergency Contact: TIMOTHY SLAUSON
(718) 330-4581
Total Tanks: 1
Owner: NYC TRANSIT AUTHORITY
370 JAY ST ROOM 809
BROOKLYN, NY 11201
(718) 330-4581
Owner Type: Not reported
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: NYC TRANSIT AUTHORITY
370 JAY ST ROOM 809
BROOKLYN, NY 11201
(718) 330-4581
Tank Status: In Service
Capacity (gals): 5000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 1
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: Product Level Gauge
Date Tested: Not reported
Date Closed: Not reported

CBS Number: Not reported
SWIS ID: 6101

Install Date: Not reported
Product Stored: NOS 1,2, OR 4 FUEL OIL
Pipe Internal: Not reported
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: 12/27/1987
Test Method: Not reported

TA POLICE ACADEMY (Continued) U001832989

Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	5000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	01/08/1993
Old PBS Number:	Not reported	Expiration Date:	06/05/1997
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS AST:

PBS Number:	2-069574	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6101
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	Not reported		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	ONE LIBERTY PROPERTIES, INC. 60 CUTTER MILL RD. GREAT NECK, NY 11021		
Owner Phone:	(516) 466-3100		
Facility Phone:	(718) 402-5107		
Operator:	EAST COAST PETROLEUM		
Emergency Name:	EAST COAST PETROLEUM		
Emergency Phone:	(718) 402-5107		
Total Tanks:	1		
Total Capacity:	5000		
Tank ID:	001		
Capacity (Gal):	5000		
Missing Data for Tank :	Minor data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	/ /		
Tank Internal:	Not reported		
Tank External:	Not reported		
Tank Containment:	NONE		
Pipe Type:	STEEL/IRON		
Pipe Location:	Not reported		
Pipe Internal:	Not reported		
Pipe External:	Not reported		
Leak Detection:	NONE		
Overfill Protection:	Product Level Gauge		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	False	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		

TA POLICE ACADEMY (Continued) U001832989

Mailing Name: ONE LIBERTY PROPERTIES, INC.
Mailing Address: 60 CUTTER MILL RD.
GREAT NECK, NY 11021
Mailing Contact: DANIEL LEMBO
Mailing Telephone: (516) 466-3100
Owner Mark: Second Owner
Certification Flag: False
Renew Flag: False
Lat/Long: Not reported
Dead Letter: False
Facility Screen: Minor data missing
Owner Screen: Minor data missing
Tank Screen: Minor data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2
Fiscal Amount for Registration Fee is Correct: True

Expiration Date: 03/29/2004
Certification Date: 04/06/1999
Renew Date: / /

PBS OWNHIST
Operator: CHARLES LUGO
Emergency: CHARLES LUGO
Emergency Tel: (718) 852-2770
Facility Type: Not reported
Facility Owner: 30 GOLD STREET
Facility Address: 300 GOLD STREET
300 GOLD STREET
BROOKLYN, NY 11201

Old PBSNO: Not reported

Inspector: Not reported
Insp Result: Not reported
Owner: 45 JOHN ESTATES
Owner Tel: (212) 344-0044
Owner Subtype: Not reported
Mail Address: 45 JOHN ESTATES
100 WILLIAM STREET
NEW YORK, NY 10038
Not reported
(212) 344-0044
Owner Mark: First Owner
Certify Date: 01/14/1992
Total Capacity (Gal): 5000

Inspect Date: Not reported
Federal ID: Not reported
Owner Type: Not reported
Expiration: 01/14/1992

CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6101
Facility Phone : (718) 330-3236
Num of Active Tanks : 1
Facility Owner: 45 JOHN ESTATES
Facility Address: 100 WILLIAM STREET
NEW YORK, NY 10038
Owner Phone: (212) 344-0044
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 03/29/1999

TA POLICE ACADEMY (Continued) U001832989

Facility Record Updated: True

K42
NNW
1/8-1/4
941 ft.

84TH PRECINCT
301 GOLD ST
BROOKLYN, NY 11201

UST U001837970
N/A

Relative:
Lower

Actual:
24 ft.

Site 3 of 5 in cluster K

PBS UST:

PBS Number:	2-217662	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	NYC POLICE DEPT. (718) 476-7576		
Emergency Contact:	FUEL CONTROL UNIT (718) 476-7524		
Total Tanks:	3		
Owner:	NYC POLICE DEPT. 1 POLICE PLAZA NEW YORK, NY 10038 (212) 374-7650		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	The City of New York		
Mailing Address:	NYC POLICE DEPT.ADMIN.SERVICE-BUILDING MAINTENANCE ATTN: SERGEANT T. ZAPATA 59-06 BROOKLYN - QUEENS EXPRESSWAY WOODSIDE, NY 11377 (718) 476-6828		
Tank Status:	In Service		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	007		
Tank Type:	Fiberglass reinforced plastic [FRP]	Install Date:	01/01/1996
Tank Internal:	FIBERGLASS LINER [FRP]	Product Stored:	UNLEADED GASOLINE
Pipe Location:	Underground	Pipe Internal:	FIBERGLASS LINER [FRP]
Tank External:	NONE/FIBERGLASS	Pipe Type:	FIBERGLASS [FRP]
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/FIBERGLASS		
Second Containment:	NONE/DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING/IN-TANK SYSTEM		
Overfill Prot:	High Level Alarm	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	14025		
Tank Screen:	No data missing	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	12/07/2001
Inspected Date:	Not reported	Expiration Date:	10/15/2002
Inspection Result:	Not reported	Inspector:	Not reported
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

84TH PRECINCT (Continued) U001837970

PBS Number:	2-217662	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	NYC POLICE DEPT. (718) 476-7576		
Emergency Contact:	FUEL CONTROL UNIT (718) 476-7524		
Total Tanks:	3		
Owner:	NYC POLICE DEPT. 1 POLICE PLAZA NEW YORK, NY 10038 (212) 374-7650		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	The City of New York		
Mailing Address:	NYC POLICE DEPT.ADMIN.SERVICE-BUILDING MAINTENANCE ATTN: SERGEANT T. ZAPATA 59-06 BROOKLYN - QUEENS EXPRESSWAY WOODSIDE, NY 11377 (718) 476-6828		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	01/01/1973
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	01/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	14025	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	12/07/2001
Old PBS Number:	Not reported	Expiration Date:	10/15/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-217662	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	NYC POLICE DEPT. (718) 476-7576		
Emergency Contact:	FUEL CONTROL UNIT		

84TH PRECINCT (Continued) U001837970

(718) 476-7524
Total Tanks: 3
Owner: NYC POLICE DEPT.
1 POLICE PLAZA
NEW YORK, NY 10038
(212) 374-7650
Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: The City of New York
Mailing Address: NYC POLICE DEPT.ADMIN.SERVICE-BUILDING MAINTENANCE
ATTN: SERGEANT T. ZAPATA
59-06 BROOKLYN - QUEENS EXPRESSWAY
WOODSIDE, NY 11377
(718) 476-6828
Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 002
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 2
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: Product Level Gauge
Date Tested: Not reported
Date Closed: 01/01/1965
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 14025
Tank Screen: No data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 01/01/1973
Product Stored: UNLEADED GASOLINE
Pipe Internal: Not reported
Pipe Type: GALVANIZED STEEL
Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 12/07/2001
Expiration Date: 10/15/2002
Inspector: Not reported

PBS Number: 2-217662
SPDES Number: Not reported
Operator: NYC POLICE DEPT.
(718) 476-7576
Emergency Contact: FUEL CONTROL UNIT
(718) 476-7524
Total Tanks: 3
Owner: NYC POLICE DEPT.
1 POLICE PLAZA
NEW YORK, NY 10038
(212) 374-7650

CBS Number: Not reported
SWIS ID: 6101

84TH PRECINCT (Continued) U001837970

Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: The City of New York
Mailing Address: NYC POLICE DEPT.ADMIN.SERVICE-BUILDING MAINTENANCE
ATTN: SERGEANT T. ZAPATA
59-06 BROOKLYN - QUEENS EXPRESSWAY
WOODSIDE, NY 11377
(718) 476-6828
Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 003
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 2
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: Product Level Gauge
Date Tested: Not reported
Date Closed: 01/01/1996
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 14025
Tank Screen: No data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 01/01/1973
Product Stored: UNLEADED GASOLINE
Pipe Internal: Not reported
Pipe Type: GALVANIZED STEEL

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 12/07/2001
Expiration Date: 10/15/2002
Inspector: Not reported

PBS Number: 2-217662
SPDES Number: Not reported
Operator: NYC POLICE DEPT.
(718) 476-7576
Emergency Contact: FUEL CONTROL UNIT
(718) 476-7524
Total Tanks: 3
Owner: NYC POLICE DEPT.
1 POLICE PLAZA
NEW YORK, NY 10038
(212) 374-7650
Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: The City of New York
Mailing Address: NYC POLICE DEPT.ADMIN.SERVICE-BUILDING MAINTENANCE
ATTN: SERGEANT T. ZAPATA
59-06 BROOKLYN - QUEENS EXPRESSWAY

CBS Number: Not reported
SWIS ID: 6101

84TH PRECINCT (Continued) U001837970

WOODSIDE, NY 11377
(718) 476-6828

Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	01/01/1973
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	01/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	14025	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	12/07/2001
Old PBS Number:	Not reported	Expiration Date:	10/15/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
3 additional NY PBS record(s) in the EDR Site Report.

K43
NNW
1/8-1/4
941 ft.

300 GOLD ST
300 GOLD ST
BROOKLYN, NY 11251

RCRA-SQG 1007205032
NYP000901819

Site 4 of 5 in cluster K

Relative:
Lower

Actual:
24 ft.

RCRAInfo:

Contact:	CHARLES B BURRUS (718) 330-4581
Classification:	Small Quantity Generator
TSDF Activities:	Not reported

300 GOLD ST (Continued) 1007205032

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

K44 NNW 1/8-1/4 941 ft.

NYCPD 84TH PRECINCT
301 GOLD STREET
BROOKLYN, NY

LTANKS S100781876
NY Spills N/A

Site 5 of 5 in cluster K

Relative: Lower

Actual: 24 ft.

SPILLS:

Spill Number:	9512589	Region of Spill:	2
Spill Date:	01/10/1996 10:00	Reported to Dept:	01/10/96 10:23
ID:	Not reported		
Dt Call Received:	Not reported	Region Close Date	Not reported
Material Spilled 1 :	Not reported	Amount Spilled 1 :	Not reported
Spill Cause:	Unknown	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Facility Contact:	BOB KREUZER	Facility Tele:	(716) 856-5636
Investigator:	KOLLEENY	SWIS:	61
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS :	Not reported		
Spiller Contact:	BOB KREUZER	Spiller Phone:	(716) 856-5636
Spiller:	NEW YORK CITY PD 84 PRCNT		
Spiller Address:	301 GOLD STREET BROOKLYN, NY		
DEC Remarks :	Not reported		
Remark:	LABORITORY RESULTS SHOW SOIL CONTAMINATION		
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	0
Units:	Gallons
Unknown Qty Spilled:	No
Quantity Recovered:	0
Unknown Qty Recovered:	True
Material:	GASOLINE
Class Type:	Petroleum
Chem Abstract Service Number:	GASOLINE
Last Date:	09/29/1994
Num Times Material Entry In File:	21329

Spill Closed Dt:	/ /		
Spill Notifier:	Other	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /	Cleanup Meets Std:	False

NYCPD 84TH PRECINCT (Continued) S100781876

Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: 10/14/97
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/10/96
Date Region Sent Summary to Central Office: / /
True Date : Not reported

LTANKS:
Spill Number: 9308194
Region of Spill: 2
Spill Date: 10/06/1993 10:10
Reported to Dept: 10/06/93 11:43
ID: Not reported
Date Call Received:Not reported
Material Spilled 1 :Not reported
Amount Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Spill Source: Tank Truck
Facility Contact: Not reported
Facility Tele: (718) 589-2500
Investigator: GUTIERREZ
SWIS: 61
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: DINO OIL CO. INC.
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 10/06/93
Spill Notifier: Other
PBS Number: Not reported
Cleanup Ceased: 10/06/93
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 03/17/97
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 10/06/93
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -10
Units: Gallons

NYCPD 84TH PRECINCT (Continued) S100781876

Unknown Qty Spilled: -10
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: CONTAINED ON PAVEMENT - SORBENT APPLIED BY DINO OIL CO. POSSIBLE 2 GALLONS IN SEWER - NYC DEP IS NOTIFIED.

Spill Number: 9601161
Region of Spill: 2
Spill Date: 04/23/1996 14:00
Reported to Dept: 04/23/96 15:54
ID: Not reported
Date Call Received: Not reported
Material Spilled 1 : Not reported
Amount Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Facility Contact: N/A
Facility Tele: Not reported
Investigator: KOLLEENY
SWIS: 61
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: N/A
Spiller Phone: Not reported
Spiller: SAME
Spiller Address: NY
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 10/14/97
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 04/23/96
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1

NYCPD 84TH PRECINCT (Continued) S100781876

Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: they removed 4 550 gallon tanks and found the gas spill.apparent overf ill over the years. they will be doing more excavating tommorow.tanks w ere ok they had no leaks.

Spill Number: 9601818
Spill Date: 05/06/1996 15:00
ID: Not reported
Material Spilled 1 Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: KRIMGOLD
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: NYPD
Spiller Address: 1 POLICE PLAZA
NY, NY
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 05/28/96
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 05/06/96
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported

Region of Spill: 2
Reported to Dept: 05/06/96 15:32
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

NYCPD 84TH PRECINCT (Continued) S100781876

Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: caller just got results back today after performing a tank removal

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45 WNW 1/8-1/4 980 ft. **POLYTECHNIC UNIVERSITY** UST U003127200
305 BRIDGE STREET N/A
BROOKLYN, NY 11201

Relative: Higher
Actual: 35 ft.

PBS UST:
PBS Number: 2-602773
SPDES Number: Not reported
Operator: KEVIN S. O'ROURKE
(718) 260-3168
Emergency Contact: KEVIN S. O'ROURKE
(718) 260-3168
Total Tanks: 0
Owner: POLYTECHNIC UNIVERSITY
333 JOY STREET
BROOKLYN, NY 11201
(718) 260-3660
Owner Type: Not reported
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: POLYTECHNIC UNIVERSITY
ATTN: KEVIN ORURKE
333 JOY STREET
BROOKLYN, NY 11201
(718) 260-3660
Tank Status: Closed - In Place
Capacity (gals): 2000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE/NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE/NONE
Second Containment: NONE/NONE
Leak Detection: NONE/NONE
Overfill Prot: Vent Whistle
Date Tested: Not reported
Date Closed: Not reported
Deleted: False
Dead Letter: False

CBS Number: Not reported
SWIS ID: 6301

Install Date: Not reported
Product Stored: NOS 1,2, OR 4 FUEL OIL
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: Minor data missing

POLYTECHNIC UNIVERSITY (Continued) U003127200

FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/13/1996
Old PBS Number:	Not reported	Expiration Date:	09/10/2001
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		
PBS Number:	2-602773	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	KEVIN S. O'ROURKE (718) 260-3168		
Emergency Contact:	KEVIN S. O'ROURKE (718) 260-3168		
Total Tanks:	0		
Owner:	POLYTECHNIC UNIVERSITY 333 JOY STREET BROOKLYN, NY 11201 (718) 260-3660		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	POLYTECHNIC UNIVERSITY ATTN: KEVIN ORURKE 333 JOY STREET BROOKLYN, NY 11201 (718) 260-3660		
Tank Status:	Closed - In Place		
Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank Id:	005		
Tank Type:	Steel/carbon steel	Install Date:	10/01/1996
Tank Internal:	NONE	Product Stored:	NOS 5 OR 6 FUEL OIL
Pipe Location:	Underground	Pipe Internal:	NONE
Tank External:	NONE/NONE	Pipe Type:	STEEL/IRON
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	Vent Whistle	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	10/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/13/1996
Old PBS Number:	Not reported	Expiration Date:	09/10/2001

POLYTECHNIC UNIVERSITY (Continued) U003127200

Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

L46
NW
1/8-1/4
983 ft.

Relative:
Lower

Actual:
30 ft.

MET TECH MOTOR
125 FLATBUSH AVENUE EXT.
BROOKLYN, NY 11201

UST U001842008
N/A

Site 1 of 4 in cluster L

PBS UST:

PBS Number:	2-601630	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	ROBERT POTTER (718) 834-5770		
Emergency Contact:	ROBERT POTTER (718) 638-1337		
Total Tanks:	0		
Owner:	329 GOLD STREET ASSOCIATES 125 FLATBUSH AVENUE EXT. BROOKLYN, NY 11201 (718) 638-1337		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	EASTERN CONSULTING INC. ATTN: JOANN MENA 208 ROUTE 109 FARMINGDALE, NY 11735 (516) 249-3150		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	11/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	11/05/1998
Inspected Date:	Not reported	Inspector:	Not reported

MET TECH MOTOR (Continued) U001842008

Inspection Result:	Not reported
Lat/long:	Not reported
Facility Type:	OTHER
Town or City:	NEW YORK CITY
Town or City Code:	01
County Code:	61
Region:	2

PBS Number:	2-601630	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	ROBERT POTTER (718) 834-5770		
Emergency Contact:	ROBERT POTTER (718) 638-1337		
Total Tanks:	0		
Owner:	329 GOLD STREET ASSOCIATES 125 FLATBUSH AVENUE EXT. BROOKLYN, NY 11201 (718) 638-1337		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	EASTERN CONSULTING INC. ATTN: JOANN MENA 208 ROUTE 109 FARMINGDALE, NY 11735 (516) 249-3150		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	11/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	11/05/1998
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		

MET TECH MOTOR (Continued) U001842008

Region: 2

PBS Number: 2-601630
SPDES Number: Not reported
Operator: ROBERT POTTER
(718) 834-5770
Emergency Contact: ROBERT POTTER
(718) 638-1337
Total Tanks: 0
Owner: 329 GOLD STREET ASSOCIATES
125 FLATBUSH AVENUE EXT.
BROOKLYN, NY 11201
(718) 638-1337
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: EASTERN CONSULTING INC.
ATTN: JOANN MENA
208 ROUTE 109
FARMINGDALE, NY 11735
(516) 249-3150
Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 003
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: None
Date Tested: Not reported
Date Closed: 11/01/1993
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 0
Tank Screen: 0
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

CBS Number: Not reported
SWIS ID: 6101

Install Date: Not reported
Product Stored: UNLEADED GASOLINE
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing

Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: Not reported
Expiration Date: 11/05/1998
Inspector: Not reported

PBS Number: 2-601630
SPDES Number: Not reported
Operator: ROBERT POTTER
(718) 834-5770

CBS Number: Not reported
SWIS ID: 6101

MET TECH MOTOR (Continued) U001842008

Emergency Contact: ROBERT POTTER
(718) 638-1337
Total Tanks: 0
Owner: 329 GOLD STREET ASSOCIATES
125 FLATBUSH AVENUE EXT.
BROOKLYN, NY 11201
(718) 638-1337
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: EASTERN CONSULTING INC.
ATTN: JOANN MENA
208 ROUTE 109
FARMINGDALE, NY 11735
(516) 249-3150
Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 004
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: None
Date Tested: Not reported
Date Closed: 11/01/1993
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 0
Tank Screen: 0
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: Not reported
Product Stored: UNLEADED GASOLINE
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing

Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: Not reported
Expiration Date: 11/05/1998
Inspector: Not reported

PBS Number: 2-601630
SPDES Number: Not reported
Operator: ROBERT POTTER
(718) 834-5770
Emergency Contact: ROBERT POTTER
(718) 638-1337
Total Tanks: 0
Owner: 329 GOLD STREET ASSOCIATES
125 FLATBUSH AVENUE EXT.
BROOKLYN, NY 11201

CBS Number: Not reported
SWIS ID: 6101

MET TECH MOTOR (Continued) U001842008

(718) 638-1337
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: EASTERN CONSULTING INC.
ATTN: JOANN MENA
208 ROUTE 109
FARMINGDALE, NY 11735
(516) 249-3150
Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 005
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: None
Date Tested: Not reported
Date Closed: 11/01/1993
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 0
Tank Screen: 0
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: Not reported
Product Stored: UNLEADED GASOLINE
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: Not reported
Expiration Date: 11/05/1998
Inspector: Not reported

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
4 additional NY PBS record(s) in the EDR Site Report.

47
SW
1/8-1/4
985 ft.

UNITED DUFFIELD CO.
214 DUFFIELD ST
BROOKLYN, NY 11201

UST U000407194
N/A

Relative:
Higher

Actual:
44 ft.

PBS UST:
PBS Number: 2-373060
SPDES Number: Not reported
Operator: UNITED DUFFIELD CO.
(718) 596-6500
Emergency Contact: ALBERT LABOZ
(718) 596-6500
Total Tanks: 1

CBS Number: Not reported
SWIS ID: 6101

UNITED DUFFIELD CO. (Continued) U000407194

Owner: UNITED DUFFIELD CO.
379 BRIDGE ST
BROOKLYN, NY 11201
(718) 596-6500
Owner Type: Corporate/Commercial
Owner Mark: Second Owner
Owner Subtype: Not reported
Mailing Address: UNITED DUFFIELD CO.
379 BRIDGE ST
BROOKLYN, NY 11201
(718) 596-6500
Tank Status: In Service
Capacity (gals): 3000
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 1
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: Product Level Gauge
Date Tested: Not reported
Date Closed: Not reported
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 3000
Tank Screen: Minor data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: Not reported
Product Stored: NOS 1,2, OR 4 FUEL OIL
Pipe Internal: Not reported
Pipe Type: STEEL/IRON

Dispenser: Gravity
Next Test Date: Not reported
Test Method: Not reported
Updated: False
Owner Screen: Minor data missing

Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 08/24/1994
Expiration Date: 08/23/1999
Inspector: Not reported

PBS OWNHIST
Operator: BAUM REALTY
Emergency: BAUM REALTY
Emergency Tel: (718) 596-6822
Facility Type: Not reported
Facility Owner: BAUM REALTY
Facility Address: 214 DUFFIELD ST
214 DUFFIELD ST
BROOKLYN, NY 11201
Inspector: Not reported
Insp Result: Not reported
Owner: BAUM REALTY
Owner Tel: (718) 596-6822
Owner Subtype: Not reported
Mail Address: BAUM REALTY

Old PBSNO: Not reported

Inspect Date: Not reported
Federal ID: Not reported

Owner Type: Not reported

UNITED DUFFIELD CO. (Continued) U000407194

214 DUFFIELD ST
BROOKLYN, NY 11201
Not reported
(718) 596-6822

Owner Mark:	First Owner		
Certify Date:	10/23/1992	Expiration:	10/23/1992
Total Capacity (Gal):	3000		

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported
County Facility:	6101
Facility Phone :	(718) 596-6822
Num of Active Tanks :	1
Facility Owner:	BAUM REALTY
Facility Address:	214 DUFFIELD ST
	BROOKLYN, NY 11201
Owner Phone:	(718) 596-6822
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr In Computer :	08/23/1994
Facility Record Updated:	True

L48
NW
1/8-1/4
987 ft.

MERIT OIL CORP
132 FLATBUSH AVE EXT
BROOKLYN, NY 11201

RCRA-SQG 1000263793
FINDS NYD982185886
UST

Site 2 of 4 in cluster L

Relative:
Equal

Actual:
31 ft.

RCRAInfo:

Owner:	MERIT OIL CORP
	(212) 555-1212
EPA ID:	NYD982185886
Contact:	Not reported
Classification:	Small Quantity Generator
TSDF Activities:	Not reported
Violation Status:	No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
Resource Conservation and Recovery Act Information system

PBS UST:

PBS Number:	2-297445	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	MERIT OIL OF NEW YORK		
	(212) 527-7900		
Emergency Contact:	MORT CRAINE		
	(212) 527-7900		

MERIT OIL CORP (Continued) 1000263793

Total Tanks: 0
Owner: MERIT OIL OF NEW YORK INC
551 W LANCASTER AVE
HAVERFORD, PA 19041
(215) 527-7900
Owner Type: Not reported
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: NYC DEP OF HPD
ATTN: PROP. MGNT
75 MAIDEN ST., 6TH FLOOR
NY, NYPA 10038
(000) 000-0000
Tank Status: Closed - Removed
Capacity (gals): 5000
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Id: 0R1
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 2
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: VAULT
Leak Detection: NONE
Overfill Prot: 2
Date Tested: Not reported
Date Closed: Not reported
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 0
Tank Screen: 0
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: Not reported
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 09/01/1959
Product Stored: LEADED GASOLINE
Pipe Internal: Not reported
Pipe Type: GALVANIZED STEEL

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: Minor data missing

Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: Minor data missing
Certification Date: 11/16/1987
Expiration Date: 11/16/1992
Inspector: Not reported

PBS Number: 2-297445
SPDES Number: Not reported
Operator: MERIT OIL OF NEW YORK
(212) 527-7900
Emergency Contact: MORT CRAINE
(212) 527-7900
Total Tanks: 0
Owner: MERIT OIL OF NEW YORK INC
551 W LANCASTER AVE
HAVERFORD, PA 19041
(215) 527-7900
Owner Type: Not reported

CBS Number: Not reported
SWIS ID: 6101

MERIT OIL CORP (Continued) 1000263793

Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: NYC DEP OF HPD
ATTN: PROP. MGNT
75 MAIDEN ST., 6TH FLOOR
NY, NYPA 10038
(000) 000-0000
Tank Status: Closed - Removed
Capacity (gals): 5000
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Id: 0R2
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 2
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: VAULT
Leak Detection: NONE
Overfill Prot: 2
Date Tested: Not reported
Date Closed: Not reported
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 0
Tank Screen: 0
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: Not reported
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 09/01/1959
Product Stored: LEADED GASOLINE
Pipe Internal: Not reported
Pipe Type: GALVANIZED STEEL

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: Minor data missing

Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: Minor data missing
Certification Date: 11/16/1987
Expiration Date: 11/16/1992
Inspector: Not reported

PBS Number: 2-297445
SPDES Number: Not reported
Operator: MERIT OIL OF NEW YORK
(212) 527-7900
Emergency Contact: MORT CRAINE
(212) 527-7900
Total Tanks: 0

CBS Number: Not reported
SWIS ID: 6101

Owner: MERIT OIL OF NEW YORK INC
551 W LANCASTER AVE
HAVERFORD, PA 19041
(215) 527-7900
Owner Type: Not reported
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: NYC DEP OF HPD
ATTN: PROP. MGNT
75 MAIDEN ST., 6TH FLOOR
NY, NYPA 10038

MERIT OIL CORP (Continued) 1000263793

(000) 000-0000
Tank Status: Closed - Removed
Capacity (gals): 5000
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Id: 0U3
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 2
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: VAULT
Leak Detection: NONE
Overfill Prot: 2
Date Tested: Not reported
Date Closed: Not reported
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 0
Tank Screen: 0
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: Not reported
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 09/01/1959
Product Stored: UNLEADED GASOLINE
Pipe Internal: Not reported
Pipe Type: GALVANIZED STEEL
Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: Minor data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: Minor data missing
Certification Date: 11/16/1987
Expiration Date: 11/16/1992
Inspector: Not reported

PBS Number: 2-297445
SPDES Number: Not reported
Operator: MERIT OIL OF NEW YORK
(212) 527-7900
Emergency Contact: MORT CRAINE
(212) 527-7900
Total Tanks: 0
Owner: MERIT OIL OF NEW YORK INC
551 W LANCASTER AVE
HAVERFORD, PA 19041
(215) 527-7900
Owner Type: Not reported
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: NYC DEP OF HPD
ATTN: PROP. MGNT
75 MAIDEN ST., 6TH FLOOR
NY, NYPA 10038
(000) 000-0000

CBS Number: Not reported
SWIS ID: 6101

Tank Status: Closed - Removed
Capacity (gals): 5000
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Id: 0U4
Tank Type: Steel/carbon steel

Install Date: 09/01/1959
Product Stored: UNLEADED GASOLINE

MERIT OIL CORP (Continued) 1000263793

Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	VAULT		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	11/16/1987
Old PBS Number:	Not reported	Expiration Date:	11/16/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-297445	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	MERIT OIL OF NEW YORK (212) 527-7900		
Emergency Contact:	MORT CRAINE (212) 527-7900		
Total Tanks:	0		
Owner:	MERIT OIL OF NEW YORK INC 551 W LANCASTER AVE HAVERFORD, PA 19041 (215) 527-7900		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	NYC DEP OF HPD ATTN: PROP. MGNT 75 MAIDEN ST., 6TH FLOOR NY, NYPA 10038 (000) 000-0000		

Tank Status:	Closed - Removed		
Capacity (gals):	5000		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	0D5	Install Date:	09/01/1959
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	VAULT		

MERIT OIL CORP (Continued) 1000263793

Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	11/16/1987
Old PBS Number:	Not reported	Expiration Date:	11/16/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access 3 additional NY PBS record(s) in the EDR Site Report.

M49
WSW
1/8-1/4
1045 ft.

Relative:
Higher

Actual:
44 ft.

NEW YORK TELEPHONE CO
101 WILLOUGHBY ST
BROOKLYN, NY 11201

RCRA-SQG 1000872773
FINDS NYD987039914

Site 1 of 2 in cluster M

RCRAinfo:

Owner: NEW YORK TELEPHONE CO
(212) 338-7694
EPA ID: NYD987039914

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
N50 / WNW / 1/8-1/4 / 1055 ft.	POLYTECHNIC UNIVERSITY 122 JOHNSON ST BROOKLYN, NY 11201	UST	U001833294 N/A

Site 1 of 3 in cluster N

Relative: Higher

Actual: 34 ft.

PBS UST:

PBS Number:	2-158224	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	POLYTECHNIC UNIVERSITY (718) 260-3660		
Emergency Contact:	KEVIN O'ROURKE (516) 661-0592		
Total Tanks:	1		
Owner:	POLYTECHNIC UNIVERSITY 333 JAY ST BROOKLYN, NY 11201 (718) 260-3660		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	POLYTECHNIC UNIVERSITY ATTN: KEVIN O'ROURKE 333 JAY ST BROOKLYN, NY 11201 (718) 260-3660		
Tank Status:	In Service		
Capacity (gals):	5000		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	001	Install Date:	12/01/1950
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	VAULT		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	5000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/19/1998
Old PBS Number:	Not reported	Expiration Date:	06/05/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
N51 WNW 1/8-1/4 1055 ft.	CON ED - V 3268 264 BRIDGE ST BROOKLYN, NY 11231	RCRA-SQG	1007206505 NYP004010948

Relative: Higher

Actual: 34 ft.

Site 2 of 3 in cluster N

RCRAInfo:

Contact: ANTHONY G DRUMMINGS
(212) 460-3770

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

N52 WNW 1/8-1/4 1055 ft.	CON ED - MH 10126 BRIDGE ST & JOHNSON AVE BROOKLYN, NY 11201	RCRA-SQG	1007206508 NYP004011037

Relative: Higher

Actual: 34 ft.

Site 3 of 3 in cluster N

RCRAInfo:

Contact: ANTHONY G DRUMMINGS
(212) 460-3770

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

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53 WSW 1/8-1/4 1080 ft.	VERIZON - BRIDGE ST CO 360 BRIDGE ST BROOKLYN, NY 11201	RCRA-SQG FINDS	1000791077 NYD987025780

Relative: Higher

Actual: 43 ft.

RCRAInfo:

Owner: NEW YORK TELEPHONE CO
(212) 555-1212

EPA ID: NYD987025780

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

VERIZON - BRIDGE ST CO (Continued) 1000791077

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

CT MANIFEST

Click this hyperlink while viewing on your computer to access additional CT MANIFEST detail in the EDR Site Report.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
Resource Conservation and Recovery Act Information system

L54
NW
1/8-1/4
1101 ft.

SHELL
112 FLATBUSH AVE
BKLYN, NY 11201

UST U000396427
N/A

Site 3 of 4 in cluster L

Relative:
Higher

Actual:
32 ft.

PBS UST:

PBS Number:	2-191086	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	BRAD IVERSON (718) 942-4120		
Emergency Contact:	BRAD IVERSON (718) 942-4120		
Total Tanks:	0		
Owner:	SHELL OIL COMPANY ONE JERICHO PLAZA JERICHO, NY 11753 (718) 942-4120		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	LARRY E. TYREE CO.,INC. ATTN: GLENN GRAHAM 208 ROUTE 109 FARMINGDALE, NY 11735 (516) 249-3150		
Tank Status:	Closed - Removed		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1970
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	08/01/1988	Next Test Date:	Not reported
Date Closed:	09/01/1992	Test Method:	AINLAY
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing

SHELL (Continued) U000396427

FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	10/29/1987
Old PBS Number:	Not reported	Expiration Date:	10/29/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-191086		
SPDES Number:	Not reported	CBS Number:	Not reported
Operator:	BRAD IVERSON (718) 942-4120	SWIS ID:	6101
Emergency Contact:	BRAD IVERSON (718) 942-4120		
Total Tanks:	0		
Owner:	SHELL OIL COMPANY ONE JERICHO PLAZA JERICHO, NY 11753 (718) 942-4120		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	LARRY E. TYREE CO.,INC. ATTN: GLENN GRAHAM 208 ROUTE 109 FARMINGDALE, NY 11735 (516) 249-3150		
Tank Status:	Closed - Removed		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	002		
Tank Type:	Steel/carbon steel	Install Date:	12/01/1975
Tank Internal:	EPOXY LINER	Product Stored:	UNLEADED GASOLINE
Pipe Location:	2	Pipe Internal:	Not reported
Tank External:	Not reported	Pipe Type:	GALVANIZED STEEL
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2		
Date Tested:	08/01/1988	Dispenser:	Suction
Date Closed:	12/01/1975	Next Test Date:	Not reported
Deleted:	False	Test Method:	AINLAY
Dead Letter:	False	Updated:	True
FAMT:	Fiscal amount for registration fee is correct	Owner Screen:	Minor data missing
Total Capacity:	0		
Tank Screen:	0	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	10/29/1987
		Expiration Date:	10/29/1992

SHELL (Continued) U000396427

Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-191086	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	BRAD IVERSON (718) 942-4120		
Emergency Contact:	BRAD IVERSON (718) 942-4120		
Total Tanks:	0		
Owner:	SHELL OIL COMPANY ONE JERICHO PLAZA JERICHO, NY 11753 (718) 942-4120		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	LARRY E. TYREE CO.,INC. ATTN: GLENN GRAHAM 208 ROUTE 109 FARMINGDALE, NY 11735 (516) 249-3150		
Tank Status:	Closed - Removed		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	003		
Tank Type:	Steel/carbon steel	Install Date:	12/01/1975
Tank Internal:	EPOXY LINER	Product Stored:	LEADED GASOLINE
Pipe Location:	2	Pipe Internal:	Not reported
Tank External:	Not reported	Pipe Type:	GALVANIZED STEEL
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2		
Date Tested:	08/01/1988	Dispenser:	Suction
Date Closed:	12/01/1975	Next Test Date:	Not reported
Deleted:	False	Test Method:	AINLAY
Dead Letter:	False	Updated:	True
FAMT:	Fiscal amount for registration fee is correct	Owner Screen:	Minor data missing
Total Capacity:	0		
Tank Screen:	0	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	10/29/1987
Inspected Date:	Not reported	Expiration Date:	10/29/1992
Inspection Result:	Not reported	Inspector:	Not reported
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		

SHELL (Continued) U000396427

County Code: 61
Region: 2

PBS Number: 2-191086
SPDES Number: Not reported
Operator: BRAD IVERSON
(718) 942-4120
Emergency Contact: BRAD IVERSON
(718) 942-4120
Total Tanks: 0
Owner: SHELL OIL COMPANY
ONE JERICHO PLAZA
JERICHO, NY 11753
(718) 942-4120
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: LARRY E. TYREE CO.,INC.
ATTN: GLENN GRAHAM
208 ROUTE 109
FARMINGDALE, NY 11735
(516) 249-3150

CBS Number: Not reported
SWIS ID: 6101

Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 004
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 2
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: 3
Date Tested: Not reported
Date Closed: 12/01/1971
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 0
Tank Screen: 0
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: RETAIL GASOLINE SALES
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 12/01/1971
Product Stored: OTHER
Pipe Internal: Not reported
Pipe Type: GALVANIZED STEEL

Dispenser: Gravity
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: Minor data missing

Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 10/29/1987
Expiration Date: 10/29/1992
Inspector: Not reported

PBS Number: 2-191086
SPDES Number: Not reported
Operator: BRAD IVERSON

CBS Number: Not reported
SWIS ID: 6101

SHELL (Continued) U000396427

Emergency Contact:	(718) 942-4120 BRAD IVERSON (718) 942-4120
Total Tanks:	0
Owner:	SHELL OIL COMPANY ONE JERICHO PLAZA JERICHO, NY 11753 (718) 942-4120
Owner Type:	Corporate/Commercial
Owner Mark:	First Owner
Owner Subtype:	Not reported
Mailing Address:	LARRY E. TYREE CO.,INC. ATTN: GLENN GRAHAM 208 ROUTE 109 FARMINGDALE, NY 11735 (516) 249-3150
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)
Capacity (gals):	550
Tank Location:	UNDERGROUND
Tank Id:	005
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Pipe Location:	Not reported
Tank External:	Not reported
Missing Data for Tank:	Minor Data Missing
Pipe External:	Not reported
Second Containment:	NONE
Leak Detection:	NONE
Overfill Prot:	2
Date Tested:	Not reported
Date Closed:	Not reported
Deleted:	False
Dead Letter:	False
FAMT:	Fiscal amount for registration fee is correct
Total Capacity:	0
Tank Screen:	0
Renew Flag:	Renwal has not been printed
Certification Flag:	False
Old PBS Number:	Not reported
Inspected Date:	Not reported
Inspection Result:	Not reported
Lat/long:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Town or City:	NEW YORK CITY
Town or City Code:	01
County Code:	61
Region:	2

Install Date:	12/01/1966
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Pipe Internal:	Not reported
Pipe Type:	Not reported
Dispenser:	Suction
Next Test Date:	Not reported
Test Method:	Not reported
Updated:	False
Owner Screen:	Minor data missing
Renewal Date:	Not reported
Federal ID:	Not reported
Facility Screen:	No data missing
Certification Date:	10/29/1987
Expiration Date:	10/29/1992
Inspector:	Not reported

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
12 additional NY PBS record(s) in the EDR Site Report.

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
L55 NW 1/8-1/4 1101 ft.	SHELL SERVICE STATION 112 FLATBUSH AVE BROOKLYN, NY 11201	RCRA-SQG FINDS	1000552143 NYD986945368

Relative: Higher

Actual: 32 ft.

Site 4 of 4 in cluster L

RCRAInfo:

Owner: SHELL OIL CO
(212) 555-1212
EPA ID: NYD986945368
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
Resource Conservation and Recovery Act Information system

O56 NE 1/8-1/4 1112 ft.	INGERSOLL HOUSES 25 MONUMENT WALK BROOKLYN, NY 11208	UST	U003065902 N/A

Relative: Lower

Actual: 18 ft.

Site 1 of 3 in cluster O

PBS UST:

PBS Number: 2-602603
SPDES Number: Not reported
Operator: MR. LUIS PONCE
(718) 707-5725
Emergency Contact: EMERGENCY SERVICE SQUAD
(718) 289-3940
Total Tanks: 1
Owner: NYC HOUSING AUTHORITY
23-02 49TH AVENUE
LONG ISLAND CITY, NY 11101
(718) 707-5725
Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: 51
Mailing Address: NYC HOUSING AUTHORITY
ATTN: MR. LUIS PONCE
23-02 49TH AVENUE
LONG ISLAND CITY, NY 11101
(718) 707-5725
Tank Status: Closed - Removed
Capacity (gals): 35000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE
Missing Data for Tank: No Missing Data
Pipe External: WRAPPED [PIPING]
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: Product Level Gauge

CBS Number: Not reported
SWIS ID: 6101

Install Date: 02/01/1944
Product Stored: EMPTY
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction

INGERSOLL HOUSES (Continued) U003065902

Date Tested: Not reported
Date Closed: 03/01/1993
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 25000
Tank Screen: Minor data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: APARTMENT BUILDING
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: Minor data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 02/09/2001
Expiration Date: 02/05/2006
Inspector: Not reported

PBS Number: 2-602603
SPDES Number: Not reported
Operator: MR. LUIS PONCE
(718) 707-5725
Emergency Contact: EMERGENCY SERVICE SQUAD
(718) 289-3940
Total Tanks: 1
Owner: NYC HOUSING AUTHORITY
23-02 49TH AVENUE
LONG ISLAND CITY, NY 11101
(718) 707-5725
Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: 51
Mailing Address: NYC HOUSING AUTHORITY
ATTN: MR. LUIS PONCE
23-02 49TH AVENUE
LONG ISLAND CITY, NY 11101
(718) 707-5725

CBS Number: Not reported
SWIS ID: 6101

Tank Status: Closed - Removed
Capacity (gals): 50000
Tank Location: UNDERGROUND
Tank Id: 002
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE
Missing Data for Tank: No Missing Data
Pipe External: WRAPPED [PIPING]
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: Product Level Gauge
Date Tested: Not reported
Date Closed: 03/01/1993
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 25000

Install Date: 02/01/1944
Product Stored: EMPTY
Pipe Internal: NONE
Pipe Type: STEEL/IRON
Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: Minor data missing
Renewal Date: Not reported

INGERSOLL HOUSES (Continued) U003065902

Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/09/2001
Old PBS Number:	Not reported	Expiration Date:	02/05/2006
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	APARTMENT BUILDING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-602603	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	MR. LUIS PONCE (718) 707-5725		
Emergency Contact:	EMERGENCY SERVICE SQUAD (718) 289-3940		
Total Tanks:	1		
Owner:	NYC HOUSING AUTHORITY 23-02 49TH AVENUE LONG ISLAND CITY, NY 11101 (718) 707-5725		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	51		
Mailing Address:	NYC HOUSING AUTHORITY ATTN: MR. LUIS PONCE 23-02 49TH AVENUE LONG ISLAND CITY, NY 11101 (718) 707-5725		
Tank Status:	In Service		
Capacity (gals):	25000		
Tank Location:	UNDERGROUND		
Tank Id:	001		
Tank Type:	Fiberglass reinforced plastic [FRP]	Install Date:	10/01/1993
Tank Internal:	FIBERGLASS LINER [FRP]	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Pipe Location:	Underground	Pipe Internal:	Not reported
Tank External:	FIBERGLASS	Pipe Type:	Not reported
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	10/01/2008
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	25000		
Tank Screen:	Minor data missing	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	02/09/2001
Inspected Date:	Not reported	Expiration Date:	02/05/2006
Inspection Result:	Not reported	Inspector:	Not reported

INGERSOLL HOUSES (Continued) U003065902

Lat/long: Not reported
Facility Type: APARTMENT BUILDING
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

O57
NE
1/8-1/4
1114 ft.

INGERSOLL HOUSES
22 MONUMENT WALK
BROOKLYN, NY

LTANKS S100560313
N/A

Relative:
Lower

Actual:
18 ft.

Site 2 of 3 in cluster O

LTANKS:
Spill Number: 9302408
Spill Date: 05/21/1993 10:30
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: SACCACIO
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: NYCHA
Spiller Address: Not reported
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Responsible Party
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 07/19/93
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 05/25/93
Date Region Sent Summary to Central Office: / /

Region of Spill: 2
Reported to Dept: 05/21/93 10:37
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1

INGERSOLL HOUSES (Continued) S100560313

Quantity Spilled: 0
Units: Not reported
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #6 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #6 FUEL OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 2190
DEC Remarks: Not reported
Spill Cause: DISCOVERED SOIL IN TANK PULL WOULD LIKE CALL BACK.

O58
NNE
1/8-1/4
1124 ft.

INGERSOLL HOUSES
8 MONUMENT WALK
BROOKLYN, NY

LTANKS S100560307
N/A

Relative:
Lower

Actual:
18 ft.

Site 3 of 3 in cluster O

LTANKS:

Spill Number: 9302287
Spill Date: 05/18/1993 15:00
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: SACCACIO
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: NYC HOUSING AUTHORITY
Spiller Address: 8 MONUMENT WALK
BROOKLYN, NY
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /

Region of Spill: 2
Reported to Dept: 05/19/93 10:00
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: (212) 306-8482
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 04/26/94
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 05/20/93
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported

INGERSOLL HOUSES (Continued) S100560307

Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #6 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #6 FUEL OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 2190
DEC Remarks: Not reported
Spill Cause: DICOVERED SOIL IN TANK PULL. SOME SOIL EXCAVATED AND PUT ON POLY.

M59
WSW
1/8-1/4
1143 ft.

MAGIC TOUCH CLEANERS
381 BRIDGE STREET
BROOKLYN, NY 11201

DRYCLEANERS **S106435328**
N/A

Relative:
Higher

Actual:
44 ft.

Site 2 of 2 in cluster M

Drycleaners:
Facility ID : 2-6101-01006
Region : KINGS

60
ESE
1/8-1/4
1156 ft.

GREENPARK CARE CENTER
140 EDWARDS STREET
BROOKLYN, NY 11201

UST **U002034191**
N/A

Relative:
Higher

Actual:
38 ft.

PBS UST:
PBS Number: 2-601843
SPDES Number: Not reported
Operator: PAUL PARAWAN
(718) 858-6400
Emergency Contact: PAUL PARAWAN
(718) 858-6400
Total Tanks: 1
Owner: GREENPARK CARE CENTER
140 ST EDUWARDS STREET
BROOKLYN, NY 11201
(718) 858-6400
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: GREENPARK CARE CENTER
ATTN: PAUL PARAWAN
140 ST EDUWARDS STREET
BROOKLYN, NY 11201
(718) 858-6400
Tank Status: In Service
Capacity (gals): 15000
Tank Location: UNDERGROUND

CBS Number: Not reported
SWIS ID: 6101

GREENPARK CARE CENTER (Continued) U002034191

Tank Id:	001		
Tank Type:	Steel/carbon steel	Install Date:	Not reported
Tank Internal:	NONE	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Pipe Location:	Underground	Pipe Internal:	Not reported
Tank External:	PAINTED/ASPHALT COATING	Pipe Type:	Not reported
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	EARTHEN DIKE		
Leak Detection:	NONE		
Overfill Prot:	None		
Date Tested:	11/23/1999	Dispenser:	Suction
Date Closed:	Not reported	Next Test Date:	11/23/2004
Deleted:	False	Test Method:	21
Dead Letter:	False	Updated:	True
FAMT:	Fiscal amount for registration fee is correct	Owner Screen:	No data missing
Total Capacity:	15000		
Tank Screen:	Minor data missing	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	03/23/1999
Inspected Date:	Not reported	Expiration Date:	05/06/2004
Inspection Result:	Not reported	Inspector:	Not reported
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

61
ENE
1/8-1/4
1157 ft.

WALT WHITMAN
93 SAINT EDWARD'S STREET
BROOKLYN, NY 11205

UST U001839487
N/A

Relative:
Lower

Actual:
21 ft.

PBS UST:

PBS Number:	2-345083		
SPDES Number:	Not reported	CBS Number:	Not reported
Operator:	BROOKLYN PUBLIC LIBRARY (718) 855-1508	SWIS ID:	6101
Emergency Contact:	BUILDINGS P MAINTENANCE (718) 780-7707		
Total Tanks:	0		
Owner:	BROOKLYN PUBLIC LIBRARY 1 GRAND ARMY PLAZA BROOKLYN, NY 11238 (718) 780-7707		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	BROOKLYN PUBLIC LIBRARY 1 GRAND ARMY PLAZA BROOKLYN, NY 11238 (718) 780-7707		
Tank Status:	Closed - In Place		
Capacity (gals):	2500		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	001		
Tank Type:	Steel/carbon steel	Install Date:	Not reported
Tank Internal:	Not reported	Product Stored:	NOS 1,2, OR 4 FUEL OIL
		Pipe Internal:	Not reported

WALT WHITMAN (Continued) U001839487

Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge		
Date Tested:	Not reported	Dispenser:	Suction
Date Closed:	Not reported	Next Test Date:	Not reported
Deleted:	False	Test Method:	Not reported
Dead Letter:	False	Updated:	True
FAMT:	Fiscal amount for registration fee is correct	Owner Screen:	No data missing
Total Capacity:	0		
Tank Screen:	0	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	11/12/1992
Inspected Date:	Not reported	Expiration Date:	12/14/1997
Inspection Result:	Not reported	Inspector:	Not reported
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

P62
NNE
1/8-1/4
1161 ft.

CON ED - M/H 60182
PARK & NAVY ST
BROOKLYN, NY 11205

RCRA-SQG **1007206350**
NYP004008470

Relative:
Lower

Actual:
23 ft.

Site 1 of 2 in cluster P

RCRAInfo:

Contact: ANTHONY G DRUMMINGS
(212) 460-3770

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

P63
NNE
1/8-1/4
1161 ft.

CON ED - MH 60182
PARK AVE & NAVY ST
BROOKLYN, NY 11205

RCRA-SQG **1007206123**
NYP004003927

Relative:
Lower

Actual:
23 ft.

Site 2 of 2 in cluster P

CON ED - MH 60182 (Continued) 1007206123

RCRAInfo:
Contact: ANTHONY G DRUMMINGS
(212) 460-3770

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

Q64
NW
1/8-1/4
1201 ft.

SUNOCO GAS STATION
TILLARY ST / FLATBUSH AV
BROOKLYN, NY

LTANKS S104877140
N/A

Relative:
Higher

Actual:
33 ft.

Site 1 of 2 in cluster Q

LTANKS:
Spill Number: 0008991
Spill Date: 11/03/2000 01:00
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: In Sewer
Spill Cause: Tank Overfill
Water Affected: Not reported
Facility Contact: UNK
Investigator: OKWUOHA
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: CALLER
Spiller: UNK
Spiller Address: UNK
UNK, NY

Region of Spill: 2
Reported to Dept: 11/03/00 01:31
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: (000) 000-0000
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Local Agency
Cleanup Ceased: / /
Last Inspection: / /

PBS Number: Not reported

Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 11/03/00
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 11/03/00
Date Region Sent Summary to Central Office: / /
Tank Test:

SUNOCO GAS STATION (Continued) S104877140

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 25
Units: Gallons
Unknown Qty Spilled: 25
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: CALLER ADVISED THAT 25 GALS SPILLED INTO A CATCH BASIN. NONE HAS BEEN CL EANED UP. CALLER DOSN T KNOW THE NAME OR STREET NUMBER OF THE GAS STATIO N NOR THE DELIVERY COMPANY INFORMATION.

R65
WSW
1/8-1/4
1207 ft.

MAGIC TOUCH CLEANERS
381 BRIDGE ST
BROOKLYN, NY 11201

RCRA-SQG 1001405105
FINDS NYR000018994

Relative:
Higher

Actual:
44 ft.

Site 1 of 3 in cluster R

RCRAInfo:
Owner: MAGIC TOUCH CORP
(718) 852-6500
EPA ID: NYR000018994
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
Resource Conservation and Recovery Act Information system

Q66
NW
1/8-1/4
1207 ft.

ENGINE 207 / LADDER 110
172 TILLARY STREET
BROOKLYN, NY 11201

UST U003241861
AST N/A
NY Spills

Site 2 of 2 in cluster Q

Relative:
Higher

Actual:
34 ft.

SPILLS:

Spill Number: 9705042
Spill Date: 07/28/1997 09:00
ID: Not reported
Dt Call Received: Not reported
Material Spilled 1 :Not reported
Spill Cause: Housekeeping
Water Affected: Not reported
Facility Contact: TONY MARINO
Investigator: KRIMGOLD
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: NYC DEPARTMENT DESIGN & C
Spiller Address: 30-30 THOMPSON AVE, 5TH F
LONG ISLAND CITY, NY 11101

Region of Spill: 2
Reported to Dept: 07/28/97 09:09

Region Close Date Not reported
Amount Spilled 1 : Not reported
Resource Affected: On Land
Spill Source: Other Non Commercial/Industrial
Facility Tele: (718) 391-1062
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

DEC Remarks : Not reported
Remark: LABORATORY RESULTS TAKEN DURING A SUB-SURFACE INVESTIGATION INDICATE SOIL CONTAMINATION.
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329

Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 07/29/97
Is Updated: False
Corrective Action Plan Submitted: / /

PBS Number: Not reported
Cleanup Meets Std:False
Enforcement Date: / /
UST Involvement: False

ENGINE 207 / LADDER 110 (Continued) U003241861

Date Spill Entered In Computer Data File: 07/28/97
Date Region Sent Summary to Central Office: / /
True Date : Not reported

PBS UST:

PBS Number:	2-601790		
SPDES Number:	Not reported	CBS Number:	Not reported
Operator:	COMPANY OFFICER (718) 965-8207	SWIS ID:	6101
Emergency Contact:	F.D.N.Y. (718) 999-2094		
Total Tanks:	1		
Owner:	F.D.N.Y. 9 METROTECH CENTER BROOKLYN, NY 11201 (718) 403-1580		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	F.D.N.Y.- BLDG. MAINTENANCE ATTN: DIRECTOR 48-34 35TH STREET LONG ISLAND CITY, NY 11101 (718) 784-6510		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004		
Tank Type:	Steel/carbon steel	Install Date:	01/01/1997
Tank Internal:	NONE	Product Stored:	DIESEL
Pipe Location:	Underground	Pipe Internal:	NONE
Tank External:	NONE/NONE	Pipe Type:	STEEL/IRON
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None		
Date Tested:	Not reported	Dispenser:	Suction
Date Closed:	01/01/1997	Next Test Date:	Not reported
Deleted:	False	Test Method:	Not reported
Dead Letter:	False	Updated:	True
FAMT:	Fiscal amount for registration fee is correct	Owner Screen:	No data missing
Total Capacity:	2500		
Tank Screen:	No data missing	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	08/13/1999
Inspected Date:	Not reported	Expiration Date:	03/16/2004
Inspection Result:	Not reported	Inspector:	Not reported
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-601790		
SPDES Number:	Not reported	CBS Number:	Not reported
		SWIS ID:	6101

ENGINE 207 / LADDER 110 (Continued) U003241861

Operator: COMPANY OFFICER
(718) 965-8207
Emergency Contact: F.D.N.Y.
(718) 999-2094
Total Tanks: 1
Owner: F.D.N.Y.
9 METROTECH CENTER
BROOKLYN, NY 11201
(718) 403-1580
Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: F.D.N.Y.- BLDG. MAINTENANCE
ATTN: DIRECTOR
48-34 35TH STREET
LONG ISLAND CITY, NY 11101
(718) 784-6510
Tank Status: Closed - In Place
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 005
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE/NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE/NONE
Second Containment: NONE/NONE
Leak Detection: NONE/NONE
Overfill Prot: None
Date Tested: Not reported
Date Closed: 01/01/1997
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 2500
Tank Screen: No data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 01/01/1997
Product Stored: DIESEL
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing

Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 08/13/1999
Expiration Date: 03/16/2004
Inspector: Not reported

PBS Number: 2-601790
SPDES Number: Not reported
Operator: COMPANY OFFICER
(718) 965-8207
Emergency Contact: F.D.N.Y.
(718) 999-2094
Total Tanks: 1
Owner: F.D.N.Y.

CBS Number: Not reported
SWIS ID: 6101

ENGINE 207 / LADDER 110 (Continued) U003241861

9 METROTECH CENTER
BROOKLYN, NY 11201
(718) 403-1580

Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: F.D.N.Y.- BLDG. MAINTENANCE
ATTN: DIRECTOR
48-34 35TH STREET
LONG ISLAND CITY, NY 11101
(718) 784-6510

Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 006
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE/NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE/NONE
Second Containment: NONE/NONE
Leak Detection: NONE/NONE
Overfill Prot: None
Date Tested: Not reported
Date Closed: 01/01/1997
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 2500
Tank Screen: No data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 01/01/1997
Product Stored: UNLEADED GASOLINE
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing

Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 08/13/1999
Expiration Date: 03/16/2004
Inspector: Not reported

PBS Number: 2-601790
SPDES Number: Not reported
Operator: COMPANY OFFICER
(718) 965-8207
Emergency Contact: F.D.N.Y.
(718) 999-2094
Total Tanks: 1
Owner: F.D.N.Y.
9 METROTECH CENTER
BROOKLYN, NY 11201
(718) 403-1580
Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: Not reported

CBS Number: Not reported
SWIS ID: 6101

ENGINE 207 / LADDER 110 (Continued) U003241861

Mailing Address: F.D.N.Y.- BLDG. MAINTENANCE
ATTN: DIRECTOR
48-34 35TH STREET
LONG ISLAND CITY, NY 11101
(718) 784-6510

Tank Status: Closed - In Place
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 007
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE/NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE/NONE
Second Containment: NONE/NONE
Leak Detection: NONE/NONE
Overfill Prot: None
Date Tested: Not reported
Date Closed: 01/01/1997
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 2500
Tank Screen: No data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 01/01/1997
Product Stored: UNLEADED GASOLINE
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing

Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 08/13/1999
Expiration Date: 03/16/2004
Inspector: Not reported

PBS Number: 2-601790
SPDES Number: Not reported
Operator: COMPANY OFFICER
(718) 965-8207
Emergency Contact: F.D.N.Y.
(718) 999-2094
Total Tanks: 1
Owner: F.D.N.Y.
9 METROTECH CENTER
BROOKLYN, NY 11201
(718) 403-1580
Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: F.D.N.Y.- BLDG. MAINTENANCE
ATTN: DIRECTOR
48-34 35TH STREET
LONG ISLAND CITY, NY 11101
(718) 784-6510
Tank Status: Closed - In Place

CBS Number: Not reported
SWIS ID: 6101

ENGINE 207 / LADDER 110 (Continued) U003241861

Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 008
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE/NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE/NONE
Second Containment: NONE/NONE
Leak Detection: NONE/NONE
Overfill Prot: None
Date Tested: Not reported
Date Closed: 01/01/1997
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 2500
Tank Screen: No data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 01/01/1997
Product Stored: UNLEADED GASOLINE
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 08/13/1999
Expiration Date: 03/16/2004
Inspector: Not reported

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access 3 additional NY PBS record(s) in the EDR Site Report.

PBS AST:
PBS Number: 2-601790
SPDES Number: Not reported
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Type: OTHER
Owner Type: Local Government
Owner Sub Type: Not reported
Owner: F.D.N.Y.
9 METROTECH CENTER
BROOKLYN, NY 11201
Owner Phone: (718) 403-1580
Facility Phone: (718) 965-8207
Operator: COMPANY OFFICER
Emergency Name: F.D.N.Y.
Emergency Phone: (718) 999-2094
Total Tanks: 1
Total Capacity: 2500
Tank ID: 002
Capacity (Gal): 550
Missing Data for Tank : No data missing

CBS Number: Not reported
SWIS Code: 6101
Previous PBS#: Not reported

ENGINE 207 / LADDER 110 (Continued) U003241861

Tank Location: ABOVEGROUND
Product Stored: DIESEL
Tank Type: Steel/carbon steel
Install Date: / /
Tank Internal: NONE
Tank External: NONE/NONE
Tank Containment: NONE/NONE
Pipe Type: STEEL/IRON
Pipe Location: Underground
Pipe Internal: NONE
Pipe External: NONE/NONE
Leak Detection: NONE/NONE
Overfill Protection: None
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: True
Date Inspected: Not reported
Result of Inspection: Not reported
Mailing Name: F.D.N.Y.- BLDG. MAINTENANCE
Mailing Address: 48-34 35TH STREET
LONG ISLAND CITY, NY 11101
Mailing Contact: DIRECTOR
Mailing Telephone: (718) 784-6510
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: Not reported
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2
Fiscal Amount for Registration Fee is Correct: True

Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: Not reported

Expiration Date: 03/16/2004
Certification Date: 08/13/1999
Renew Date: / /

PBS Number: 2-601790
SPDES Number: Not reported
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Type: OTHER
Owner Type: Local Government
Owner Sub Type: Not reported
Owner: F.D.N.Y.
9 METROTECH CENTER
BROOKLYN, NY 11201
Owner Phone: (718) 403-1580
Facility Phone: (718) 965-8207
Operator: COMPANY OFFICER
Emergency Name: F.D.N.Y.
Emergency Phone: (718) 999-2094
Total Tanks: 1
Total Capacity: 2500
Tank ID: 003

CBS Number: Not reported
SWIS Code: 6101
Previous PBS#: Not reported

ENGINE 207 / LADDER 110 (Continued) U003241861

Capacity (Gal):	550		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	DIESEL		
Tank Type:	Steel/carbon steel		
Install Date:	/ /		
Tank Internal:	NONE		
Tank External:	NONE/NONE		
Tank Containment:	NONE/NONE		
Pipe Type:	STEEL/IRON		
Pipe Location:	Underground		
Pipe Internal:	NONE		
Pipe External:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Protection:	None		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	F.D.N.Y.- BLDG. MAINTENANCE		
Mailing Address:	48-34 35TH STREET LONG ISLAND CITY, NY 11101		
Mailing Contact:	DIRECTOR		
Mailing Telephone:	(718) 784-6510		
Owner Mark:	First Owner	Expiration Date:	03/16/2004
Certification Flag:	False	Certification Date:	08/13/1999
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	No data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

R67
WSW
1/8-1/4
1217 ft.

ST JOSEPH HIGH SCHOOL
80 WILLOUGHBY ST
BROOKLYN, NY 11201

UST U001837044
N/A

Site 2 of 3 in cluster R

Relative:
Higher

Actual:
45 ft.

PBS UST:

PBS Number:	2-359319	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	SISTER EUGENIA CALABRESE (718) 624-3618		
Emergency Contact:	SISTER EUGENIA CALABRESE (718) 624-3618		
Total Tanks:	2		
Owner:	SISTERS OF ST JOSEPH 80 WILLOUGHBY STREET BROOKLYN, NY 11201 (718) 624-3618		
Owner Type:	Corporate/Commercial		

ST JOSEPH HIGH SCHOOL (Continued) U001837044

Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	SISTERS OF ST JOSEPH 80 WILLOUGHBY ST BROOKLYN, NY 11201 (718) 624-3618		
Tank Status:	In Service		
Capacity (gals):	3000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	0	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	NONE
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/IN-TANK SYSTEM		
Overfill Prot:	Automatic Shut-Off	Dispenser:	None
Date Tested:	09/01/1999	Next Test Date:	09/01/2004
Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	6000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/15/1999
Old PBS Number:	Not reported	Expiration Date:	08/28/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-359319	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	SISTER EUGENIA CALABRESE (718) 624-3618		
Emergency Contact:	SISTER EUGENIA CALABRESE (718) 624-3618		
Total Tanks:	2		
Owner:	SISTERS OF ST JOSEPH 80 WILLOUGHBY STREET BROOKLYN, NY 11201 (718) 624-3618		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	SISTERS OF ST JOSEPH 80 WILLOUGHBY ST BROOKLYN, NY 11201 (718) 624-3618		
Tank Status:	In Service		

ST JOSEPH HIGH SCHOOL (Continued) U001837044

Capacity (gals):	3000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	NONE
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/IN-TANK SYSTEM		
Overfill Prot:	Automatic Shut-Off	Dispenser:	None
Date Tested:	09/01/1999	Next Test Date:	09/01/2004
Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	6000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/15/1999
Old PBS Number:	Not reported	Expiration Date:	08/28/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

R68
SW
1/8-1/4
1226 ft.

BRIDGE CLEANERS
384 BRIDGE STREET
BROOKLYN, NY 11201

RCRA-SQG 1000188813
FINDS NYD981079932
DRYCLEANERS

Site 3 of 3 in cluster R

Relative:
Higher

Actual:
44 ft.

RCRAinfo:

Owner:	Not reported
EPA ID:	NYD981079932
Contact:	Not reported
Classification:	Small Quantity Generator
TSDF Activities:	Not reported
Violation Status:	No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

BRIDGE CLEANERS (Continued) — 1000188813

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
Resource Conservation and Recovery Act Information system

Drycleaners:
Facility ID : 2-6101-00348
Region : KINGS

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69 West 1/8-1/4 1271 ft.

FOREST CITY BRIDGE STREET ASSOCIATES
2 METROTECH CTR
BROOKLYN, NY 11201

RCRA-SQG 1001028426
FINDS NYR000006585

Relative: Higher
Actual: 39 ft.

RCRAInfo:
Owner: FOREST CITY RATNER ENTERPRISES
(718) 797-5990
EPA ID: NYR000006585
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

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70 South 1/8-1/4 1295 ft.

LONG ISLAND UNIVERSITY BROOKLYN CAMPUS
1 UNIVERSITY PLAZA
BROOKLYN, NY 11201

RCRA-SQG 1000105333
FINDS NYD095767679

Relative: Higher
Actual: 33 ft.

RCRAInfo:
Owner: LONG ISLAND UNIVERSITY
(212) 555-1212
EPA ID: NYD095767679
Contact: J GOFFREDO
(212) 555-1212
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: Violations exist

Regulation Violated: multiple
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 11/26/2001
Actual Date Achieved Compliance: 05/14/2003

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/05/1989
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/05/2002
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/15/2002

LONG ISLAND UNIVERSITY BROOKLYN CAMPUS (Continued) 1000105333

Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/27/2002
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 05/14/2003
Penalty Type: Proposed Monetary Penalty

Regulation Violated: Not reported
Area of Violation: GENERATOR-ANNUAL REPORTING REQUIREMENTS
Date Violation Determined: 10/07/1996
Actual Date Achieved Compliance: 11/27/1996

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/07/1996
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 05/30/1989
Actual Date Achieved Compliance: 10/05/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 07/20/1989
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/24/1988
Actual Date Achieved Compliance: 10/05/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/05/1989
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/05/2002
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/15/2002
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/27/2002
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 05/14/2003
Penalty Type: Proposed Monetary Penalty

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	5/14/2003	33000	EPA
Proposed Monetary Penalty	9/27/2002	219833	EPA

There are 4 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20030514
Non-Financial Record Review	GENERATOR-ANNUAL REPORTING REQUIREMENTS	19961127

LONG ISLAND UNIVERSITY BROOKLYN CAMPUS (Continued) 1000105333

Compliance Evaluation Inspection GENERATOR-ALL REQUIREMENTS (OVERSIGHT) 19891005
Compliance Evaluation Inspection GENERATOR-ALL REQUIREMENTS (OVERSIGHT) 19891005

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
Integrated Compliance Information
Resource Conservation and Recovery Act Information system

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71 WSW 1/8-1/4 1301 ft.
75 WILLOUGHBY ST
75 WILLOUGBY STREET
BROOKLYN, NY
LTANKS S102672666
N/A

Relative: Higher
Actual: 45 ft.

LTANKS:
Spill Number: 9410520
Spill Date: 11/07/1994 15:00
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Facility Contact: Not reported
Investigator: TIBBE
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: BAERENKLAU
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: 11/08/94
Spill Notifier: Affected Persons
Cleanup Ceased: 11/08/94
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 12/08/94
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported

Region of Spill: 2
Reported to Dept: 11/07/94 17:50
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Tank Truck
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

75 WILLOUGHBY ST (Continued) S102672666

Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 1
Units: Gallons
Unknown Qty Spilled: Yes
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: DURING DELIVERY, OIL CAME OUT-USED DRYSOL TO CLEAN

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72 SSW 1/8-1/4 1305 ft. **DIME SAVINGS BANK OF NEW YORK**
DE KALB AVE / FULTON ST
BROOKLYN, NY 11201

UST U000416773
N/A

Relative: Higher

Actual: 39 ft.

PBS UST:
PBS Number: 2-109924
SPDES Number: Not reported
Operator: DIME SAVINGS BANK OF NEW YORK
(718) 403-7592
Emergency Contact: DIME SAVINGS BANK OF NEW YORK
(516) 568-3688
Total Tanks: 1
Owner: DIME SAVINGS BANK OF NEW YORK
400 SUNRISE HIGHWAY
VALLEY STREAM, NY 11582
(516) 568-3688
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: DIME SAVINGS BANK OF NEW YORK
ATTN: LENOX DEBRA
FACILITIES DEPARTMENT
400 SUNRISE HIGHWAY
VALLEY STREAM, NY 11582
(516) 568-3688
Tank Status: In Service
Capacity (gals): 15000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 1
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: 2
Date Tested: 11/01/1989
Date Closed: Not reported
Deleted: False

CBS Number: Not reported
SWIS ID: 6101

Install Date: Not reported
Product Stored: NOS 1,2, OR 4 FUEL OIL
Pipe Internal: Not reported
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: 11/01/1994
Test Method: HORNER
Updated: True

DIME SAVINGS BANK OF NEW YORK (Continued) U000416773

Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	15000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/29/1997
Old PBS Number:	Not reported	Expiration Date:	07/10/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-109924	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	DIME SAVINGS BANK OF NEW YORK (718) 403-7592		
Emergency Contact:	DIME SAVINGS BANK OF NEW YORK (516) 568-3688		
Total Tanks:	1		
Owner:	DIME SAVINGS BANK OF NEW YORK 400 SUNRISE HIGHWAY VALLEY STREAM, NY 11582 (516) 568-3688		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	DIME SAVINGS BANK OF NEW YORK ATTN: LENOX DEBRA FACILITIES DEPARTMENT 400 SUNRISE HIGHWAY VALLEY STREAM, NY 11582 (516) 568-3688		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	11/01/1989	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	15000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing

DIME SAVINGS BANK OF NEW YORK (Continued) U000416773

Certification Flag:	False	Certification Date:	07/29/1997
Old PBS Number:	Not reported	Expiration Date:	07/10/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

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73 SW 1/8-1/4 1317 ft.

UNITED INSIGNIA
397 BRIDGE ST
BROOKLYN, NY 11201

RCRA-SQG 1006810700
FINDS NYR000115352

Relative: Higher

Actual: 45 ft.

RCRAInfo:
Owner: JAMES HAHL
(718) 222-3400
EPA ID: NYR000115352
Contact: JOHN HAHL
(718) 222-3400

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

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74 West 1/4-1/2 1509 ft.

POLYTECHNIC UNIVERSITY
333 JAY ST
BROOKLYN, NY 11201

FINDS 1000442411
RCRA-LQG NYD066076225
UST
LTANKS

Relative: Higher

Actual: 47 ft.

RCRAInfo:
Owner: UNKNOWN
(212) 555-1212
EPA ID: NYD066076225
Contact: PROF STARNES
(718) 643-5235

Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2001

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	2629.64	D002	639.02
D003	19.68	D005	15.00
D006	50.00	D007	8.34

POLYTECHNIC UNIVERSITY (Continued) 1000442411

D008	13104.00	D009	33.00
D019	266.89	D022	1334.45
LABP	41.70	P098	2.00
P105	1.00	P108	150.00
U103	8.34	U122	8.34
U188	340.00		

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AIRS/Air Quality Subsystem
Resource Conservation and Recovery Act Information system

LTANKS:

Spill Number: 0105087
Spill Date: 08/10/2001 10:30
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: KEVIN O'ROURKE
Investigator: SANGESLAND
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: KEVIN O'ROURKE
Spiller: POLYTECHNICL UNIVERSITY
Spiller Address: 333 JAY ST
BROOKLYN, NY
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 08/20/01
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 08/10/01
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported

Region of Spill: 2
Reported to Dept: 08/10/01 11:50
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: (718) 260-3040
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: (718) 260-3040

PBS Number: Not reported

POLYTECHNIC UNIVERSITY (Continued) 1000442411

Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: 8/10/2001 - Tony Kloss from Impact Environmetal office 516-453-2790 cel l phone 516-250-3187) Impact has been hired to remove two 4 oil tanks f rom sidewalk vaults on Jay St in front of PolyTech University. Impact di d some geoprobes and found contamination consistant with 4 oil. They a lso opened up the vaults and found 6 of floating product. The plan is t o excavate the site and remove the tanks probably in September 2001) A t that time they will try to over excavate and remove as much as possibl e. If end point samples remain high, they will need to propose a remedi ation. 8/20/2001 - Sangesland spoke with Tony Kloss. Samples came back, , some were high. Mr.Kloss is putting together a map with results and wi ll mail it to the DEC. He also reconfirmed that the tanks will be pulle d in September.
Spill Cause: caller reportng a spill at the jacob s building at above closing 2 tank s and believe spill is from that one tank 001 and tank 002 nys pbs 2-1 58232 no clean up and spill is subsurface

PBS UST:
PBS Number: 2-158232
CBS Number: Not reported
SPDES Number: Not reported
SWIS ID: 6101
Operator: KEVIN O'ROURKE
(718) 260-3040
Emergency Contact: KEVIN O'ROURKE
(516) 661-0592
Total Tanks: 1
Owner: POLYTECHNIC UNIVERSITY
SIX METROTECH CENTER
BROOKLYN, NY 11201
(718) 260-3660
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: POLYTECHNIC UNIVERSITY
ATTN: KEVIN O'ROURKE
SIX METROTECH CENTER
BROOKLYN, NY 11201
(718) 630-3040
Tank Status: In Service
Capacity (gals): 7500
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Id: 001-A
Install Date: 09/01/2001
Tank Type: Fiberglass coated steel
Product Stored: NOS 1,2, OR 4 FUEL OIL

POLYTECHNIC UNIVERSITY (Continued) 1000442411

Tank Internal:	FIBERGLASS LINER [FRP]	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	FIBERGLASS		
Missing Data for Tank:	No Missing Data		
Pipe External:	FIBERGLASS		
Second Containment:	VAULT		
Leak Detection:	VAPOR WELL		
Overfill Prot:	High Level Alarm, Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	7500	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/2001
Old PBS Number:	Not reported	Expiration Date:	06/05/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-158232	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	KEVIN O'ROURKE (718) 260-3040		
Emergency Contact:	KEVIN O'ROURKE (516) 661-0592		
Total Tanks:	1		
Owner:	POLYTECHNIC UNIVERSITY SIX METROTECH CENTER BROOKLYN, NY 11201 (718) 260-3660		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	POLYTECHNIC UNIVERSITY ATTN: KEVIN O'ROURKE SIX METROTECH CENTER BROOKLYN, NY 11201 (718) 630-3040		
Tank Status:	Closed - Removed		
Capacity (gals):	7500		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		

POLYTECHNIC UNIVERSITY (Continued) **1000442411**

Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	09/01/2001	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	7500	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/2001
Old PBS Number:	Not reported	Expiration Date:	06/05/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-158232	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	KEVIN O'ROURKE (718) 260-3040		
Emergency Contact:	KEVIN O'ROURKE (516) 661-0592		
Total Tanks:	1		
Owner:	POLYTECHNIC UNIVERSITY SIX METROTECH CENTER BROOKLYN, NY 11201 (718) 260-3660		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	POLYTECHNIC UNIVERSITY ATTN: KEVIN O'ROURKE SIX METROTECH CENTER BROOKLYN, NY 11201 (718) 630-3040		
Tank Status:	Closed - Removed		
Capacity (gals):	7500		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	002	Install Date:	09/01/2001
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing

POLYTECHNIC UNIVERSITY (Continued) **1000442411**

FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	7500	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/2001
Old PBS Number:	Not reported	Expiration Date:	06/05/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

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75 **LTANKS** **S105998178**
NE **45 N ELLIOT PL** **N/A**
1/4-1/2 **BROOKLYN, NY**
1604 ft.

Relative: Lower
Actual: 19 ft.

LTANKS:

Spill Number:	0211386	Region of Spill:	2
Tank Number:	Not reported	Tank Size :	Not reported
Test Method:	Not reported	Leak Rate:	Not reported
Spill Date:	02/14/03	Reported to Dept:	/ /
ID:	18921	Date Call Received:	02/14/03
Material Spilled 1 :	#2 FUEL OIL	Amount Spilled 1 :	Unknown Gal.
Region Close Dt :	05/10/04		
Resource Affectd:	ON LAND		
Spill Cause:	TANK TEST FAILURE		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL

Spill Number:	0211386	Region of Spill:	2
Tank Number:	Not reported	Tank Size :	Not reported
Test Method:	Not reported	Leak Rate:	Not reported
Spill Date:	02/14/03	Reported to Dept:	/ /
ID:	18922	Date Call Received:	02/14/03
Material Spilled 1 :	#2 FUEL OIL	Amount Spilled 1 :	Unknown Gal.
Region Close Dt :	05/10/04		
Resource Affectd:	ON LAND		
Spill Cause:	TANK TEST FAILURE		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL

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76 **WHITMAN HOUSING** **LTANKS** **S102673286**
East **287 MYRTLE AVENUE** **N/A**
1/4-1/2 **BROOKLYN, NY**
1608 ft.

Relative: Higher
Actual: 51 ft.

LTANKS:

Spill Number:	9515050	Region of Spill:	2
Spill Date:	02/23/1996 11:00	Reported to Dept:	02/23/96 11:22
ID:	Not reported	Date Call Received:	Not reported
Material Spilled 1 :	Not reported	Amount Spilled 1 :	Not reported
Region Close Dt :	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Overfill		
Water Affected:	Not reported	Spill Source:	Other Non Commercial/Industrial
Facility Contact:	FRANK OCELLO	Facility Tele:	(212) 306-3229

WHITMAN HOUSING (Continued) S102673286

Investigator: SACCACIO
SWIS: 61
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: NYC HOUSING AUTHORITY
Spiller Address: 250 BROADWAY
NEW YORK, NY 10007
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 04/22/96
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 02/23/96
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 900
Units: Gallons
Unknown Qty Spilled: 900
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: NYCHA calulates that approximately 900 gallons of 2 oil spilled. Got I nto soil around gas train and gas main entering the building. Soil had to be excavated by hand. 20 drums of soil and 2 drums of speedy-dry rem oved by Winston. A groundwater monitoing well will have to be installed to get a groundwater sample to determine if oil got to the water table.
Spill Cause: CUSTOMER ORDERED 4000 GALLONS AND TANK OVERFLOWED AT 3600 GALLONS. ONTO CONCRETE AND SOIL. FIRE DEPARTMENT ON SCENE. CALLER ENROUTE TO SCENE F OR FURTHER INVESTIGATION.

77 SE 1/4-1/2 1651 ft. — **FORT GREEN PL & DEKALB AV**
FORT GREEN PL / DEKALB AVE
BROOKLYN, NY

LTANKS **S100495079**
N/A

Relative: Higher
Actual: 38 ft.

LTANKS:
Spill Number: 9301100
Spill Date: 04/22/1993 15:30
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: TANG
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: SAME
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt: 04/22/93
Spill Notifier: Other
Cleanup Ceased: 04/22/93
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 07/20/93
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 04/27/93
Date Region Sent Summary to Central Office: / /

Region of Spill: 2
Reported to Dept: 04/22/93 16:32
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Not reported
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #6 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #6 FUEL OIL

FORT GREEN PL & DEKALB AV (Continued) S100495079

Last Date: 07/28/1994
Num Times Material Entry In File: 2190
DEC Remarks: Not reported
Spill Cause: DURING DELIV OIL LEAKED FROM TANK FILL-PIPE TO BASEMENT FLOOR.CUST MAINT PERSONNEL TOLD DRIVER THEY WOULD CLEAN SPILL-MR MCARDLE FROM COASTAL SAI D THEY WOULD CHECK CUST TANK EQUIPT ON 4/23/93

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78 SW 1/4-1/2 1789 ft.

NEW YORK CITY WELFARE FAC
210 LIVINGSTON STREET
BROOKLYN, NY

LTANKS S103558972
N/A

Relative: Higher

Actual: 43 ft.

LTANKS:

Spill Number: 0311816
Tank Number: 1
Test Method: HORNER EZ CHECK
Spill Date: 01/21/04
ID: 35395
Material Spilled 1 #4 FUEL OIL
Region Close Dt : / /
Resource Affectd: GROUNDWATER
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Region of Spill: 2
Tank Size : 10000
Leak Rate: 0.00
Reported to Dept: / /
Date Call Received: 01/21/04
Amount Spilled 1 : Unknown lbs.
Spill Source: OTHER COMM/INDUSTRIAL

Spill Number: 0311816
Tank Number: 1
Test Method: HORNER EZ CHECK
Spill Date: 01/21/04
ID: 35396
Material Spilled 1 #4 FUEL OIL
Region Close Dt : / /
Resource Affectd: GROUNDWATER
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Region of Spill: 2
Tank Size : 10000
Leak Rate: 0.00
Reported to Dept: / /
Date Call Received: 01/21/04
Amount Spilled 1 : Unknown lbs.
Spill Source: OTHER COMM/INDUSTRIAL

Spill Number: 9812016
Spill Date: 12/24/1998 11:00
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Water Affected: Not reported
Region of Spill: 2
Reported to Dept: 12/24/98 11:20
Date Call Received: Not reported
Amount Spilled 1 : Not reported
Spill Source: Other Non Commercial/Industrial
Facility Contact: RALPH MANGANELLO
Facility Tele: (212) 630-9237
Investigator: ROMMEL
SWIS: 61
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: CITY OF NEW YORK
Spiller Address: NEW YORK, NY
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 03/19/99
Spill Notifier: Tank Tester
PBS Number: 2-153184
Cleanup Ceased: / /
Last Inspection: / /

NEW YORK CITY WELFARE FAC (Continued) S103558972

Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 03/19/99
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 12/24/98
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: 1
Test Method: Horner EZ Check
Capacity of Failed Tank: 10000
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Talk Test Failures only pass or fail
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: 2/23/99 Spoke to Morris Kreppel After repair the manhole manifold, the y retested the tank and it passed. He will submit paperwork for my revi ew. 3/1/99 Spoke to Morris Kreppel. After installing a new gasket, the tank passed the retest. Phil Lodico, enforcement attny in Albany, got i nvolved after 3 notices that the tank was overdue for testing. Apparent ly the city operates the tank so Kreppel forwarded the notices to the ci ty who then ignored them. Currently being fined 11K, 10K of which wil l be waived if they comply within 60 days. Told Kreppel that he needs t o submit an exposure affadavit complete with whether or not contaminatio n was encountered during the work. 3/19/99 Spill closed as per 3/4/99 l etter from ABC Tank signedby Mark Salamack indicating that a gasket, nut s and bolts were replaced on the manhole and the system passed the HEZ3 retest and that no contamination was discovered during repairs.
Spill Cause: TANK TEST PERFORMED ON BEHALF OF COMMERCIAL COOLING SERVICE, HELEN, 718) 492-2100. COMMERCIAL COOLING TO BE GIVEN A QUOTE FOR ISOLATING AND RE TESTING THE TANK ONLY.

S79 **PEARLE ST/BKLYN/NYCTA** **LTANKS** **S100168232**
WSW **PEARLE STREET** **N/A**
1/4-1/2 **BROOKLYN, NY**
1826 ft.

Site 1 of 2 in cluster S

Relative:
Higher

LTANKS:
Spill Number: 9011832
Spill Date: 02/09/1991 15:00
ID: Not reported
Material Spilled 1 :Not reported

Actual:
51 ft.

Region of Spill: 2
Reported to Dept: 02/11/91 10:39
Date Call Received:Not reported
Amount Spilled 1 : Not reported

PEARLE ST/BKLYN/NYCTA (Continued) S100168232

Region Close Dt : Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: HALE
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: NYCTA
Spiller Address: 25 CHAPEL STREET
BROOKLYN, NY
Spill Class: Known release that creates potential for fire or hazard. (Highly Improbable)
Spill Closed Dt: 07/29/98
Spill Notifier: Tank Tester
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 08/07/98
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 02/27/91
Date Region Sent Summary to Central Office: / /

Spill Source: Other Non Commercial/Industrial
Facility Tele: (718) 739-7535
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Tank Test:
- PBS Number: Not reported
- Tank Number: Not reported
- Test Method: Not reported
- Capacity of Failed Tank: 0
- Leak Rate Failed Tank: 0.00
- Gross Leak Rate: Not reported

Material:
- Material Class Type: 1
- Quantity Spilled: -1
- Units: Pounds
- Unknown Qty Spilled: -1
- Quantity Recovered: 0
- Unknown Qty Recovered: False
- Material: #2 FUEL OIL
- Class Type: Petroleum
- Chem Abstract Service Number: #2 FUEL OIL
- Last Date: 12/07/1994
- Num Times Material Entry In File: 24464

DEC Remarks: 11/16/94: REASSIGNED FROM SIGONA TO ZHITOMIRSKY ON 11/16/94.
Spill Cause: 11.5K TANK FAILED PETRO TITE WITH A LEAK RATE OF .08GPH.

S80 WSW 1/4-1/2 1826 ft. — **PEARL ST/BKLYN/NYCTA**, **PEARL STREET**, **BROOKLYN, NY** — LTANKS — S100168238 / N/A

Relative: Higher

Actual: 51 ft.

Site 2 of 2 in cluster S

LTANKS:

Spill Number: 9011990
Spill Date: 02/16/1991 09:00
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: HALE
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: NYCTA
Spiller Address: PEARL STREET
BROOKLYN, NY
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 07/29/98
Spill Notifier: Tank Tester
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 08/07/98
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 02/27/91
Date Region Sent Summary to Central Office: / /

Region of Spill: 2
Reported to Dept: 02/16/91 11:30
Date Call Received:Not reported
Amount Spilled 1 : Not reported
Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Tank Test:

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:

Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL

PEARL ST/BKLYN/NYCTA (Continued) S100168238

Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: 11/16/94: REASSIGNED FROM SIGONA TO ZHITOMIRSKY ON 11/16/94.
Spill Cause: 11,275 GAL TANK FAILED PETRO TITE WITH A GROSS LEAK FROM THE TOP OF TANK , WILL EMPTY TANK.

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81 WSW 1/4-1/2 1849 ft. **408 JAY/1427 FULTON /BKLN** **LTANKS** **S100145776**
1427 FULTON/408 JAY ST **N/A**
BKLN, NY

Relative: Higher
Actual: 50 ft.

LTANKS:
Spill Number: 8909337
Spill Date: 12/23/1989 21:30
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: SULLIVAN
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: UNK
Spiller Address: JOSEPH JEMAL
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 11/13/92
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 01/03/90
Date Region Sent Summary to Central Office: / /

Region of Spill: 2
Reported to Dept: 12/26/89 13:09
Date Call Received: Not reported
Amount Spilled 1 : Not reported
Spill Source: Other Commercial/Industrial
Facility Tele: (718) 239-8580
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1

408 JAY/1427 FULTON /BKLN (Continued) S100145776

Quantity Spilled: 1700
Units: Gallons
Unknown Qty Spilled: 1700
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: DRIVER DELIVERED TO WRONG FILL PIPE - CALLER NOT ABLE TO GAIN ACCESS TO BLDG UNTIL 915 ON 12/26 - SUSPECT FUEL SANK THRU CRACKS IN FLOOR - CALLE R OFFERED TO CLEAN SPILL DEODORIZE -PERMISSION DENIED

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82 WSW 1/4-1/2 1938 ft. **BOARD OF EDUCATION**
409 RED HOOK LANE
BROOKLYN, NY

LTANKS S102662624
N/A

Relative: Higher
Actual: 51 ft.

LTANKS:
Spill Number: 9515577 Region of Spill: 2
Spill Date: 12/01/1994 16:33 Reported to Dept: 03/04/96 16:39
ID: Not reported Date Call Received: Not reported
Material Spilled 1 : Not reported Amount Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported Spill Source: Other Commercial/Industrial
Facility Contact: SAME Facility Tele: Not reported
Investigator: GUTIERREZ SWIS: 61
Caller Name: Not reported Caller Agency: Not reported
Caller Phone: Not reported Caller Extension: Not reported
Notifier Name: Not reported Notifier Agency: Not reported
Notifier Phone: Not reported Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: CHARLES BECKER Spiller Phone: (718) 935-5746
Spiller: SAME
Spiller Address: NY
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 12/13/96
Spill Notifier: Other PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 12/13/96
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 03/04/96
Date Region Sent Summary to Central Office: 11/27/96
Tank Test:
PBS Number: Not reported

BOARD OF EDUCATION (Continued) S102662624

Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: THE CALLER FOUND CONTAMINATED SOIL ON MAY 1995, THE SPILL OCCURRED PRIOR TO DECEMBER 1994.
Spill Cause: a 550 gasoline tank was overfilled causing the spill. this occurred may 3 1995 and they actually reported it today.

83
SSE
1/4-1/2
2052 ft.

BROOKLYN ACADEMY OF MUSIC
FULTON ST / ROCKWELL PL
BROOKLYN, NY

LTANKS S102960149
N/A

Relative:
Higher

Actual:
33 ft.

LTANKS:
Spill Number: 9709843
Spill Date: 11/24/1997 12:00
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: DELORES BLACKWELL
Investigator: TOMASELLO
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: DELORES BLACKWELL
Spiller: BROOKLYN ACADEMY OF MUSIC
Spiller Address: FULTON ST & ROCKWELL PL
BROOKLYN
Spill Class: Known release that creates potential for fire or hazard. (Highly Improbable)
Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False

Region of Spill: 2
Reported to Dept: 11/24/97 14:21
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: (718) 391-1297
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: (718) 391-1297

PBS Number: Not reported

BROOKLYN ACADEMY OF MUSIC (Continued) S102960149

Spill Record Last Update: 11/26/97
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 11/24/97
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: UNKNOWN PETROLEUM
Class Type: Petroleum
Chem Abstract Service Number: UNKNOWN PETROLEUM
Last Date: 09/29/1994
Num Times Material Entry In File: 16414
DEC Remarks: Not reported
Spill Cause: DURING CONSTRUCTION WORK DONE AT MUSIC ACADEMY A UNK TANK WAS DISCOVERE D AND BELIEVED TO HAVE CAUSED SOIL CONTAMINATION.TANK HAS BEEN REMOVED AND SOIL TO BE STOCKPILED-SAMPLED AND REMOVED.

84
WSW
1/4-1/2
2116 ft.

MPM REALTY CORP
141 LIVINGSTON STREET
BROOKLYN, NY

LTANKS S102672830
N/A

Relative:
Higher

Actual:
47 ft.

LTANKS:
Spill Number: 9414943
Spill Date: 02/14/1995 07:15
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Facility Contact: Not reported
Investigator: ZHITOMIRSKY
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: UNKNOWN
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: 02/24/95
Spill Notifier: Responsible Party
Cleanup Ceased: 02/24/95
Last Inspection: / /

Region of Spill: 2
Reported to Dept: 02/14/95 07:40
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

MPM REALTY CORP (Continued) S102672830

Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 08/08/95
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 03/16/95
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 20
Units: Gallons
Unknown Qty Spilled: 20
Quantity Recovered: 20
Unknown Qty Recovered: False
Material: #6 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #6 FUEL OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 2190
DEC Remarks: Not reported
Spill Cause: ALL OIL CONTAINED AND IN THE PROCESS OF RECOVERING

T85
South
1/4-1/2
2198 ft.

40 NEVINS ST
BROOKLYN, NY

LTANKS S105054840
N/A

Site 1 of 2 in cluster T

Relative:
Higher

Actual:
40 ft.

LTANKS:
Spill Number: 0101538
Spill Date: 05/09/2001 17:15
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: TIPPLE
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: ANTHONY CACHO
Spiller: RICHARD KAPLON
Spiller Address: 24-16 QUEENS PLAZA SO

Region of Spill: 2
Reported to Dept: 05/09/01 20:31
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: (718) 392-3456
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: (718) 357-7000

(Continued)

S105054840

LONG ISLAND CITY, NY
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 05/10/01
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 05/09/01
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: COMP RCVD A CALL FROM MR KAPLON ASKING TO CHECK INTO WHY HE WAS USING SO MUCH OIL - WHEN SERVICE MAN GOT TO LOCATION HE FOUND THERE WERE LEAKS I N TWO TANKS 275) THAT ARE IN BASEMENT - IT APPEARS THEY MAY HAVE BEEN L EAKING FOR SOME TIME AS THERE WAS SATURATED DIRT THAT HAD BEEN PLACED UN DER TANKS - THE LEGS OF THE TANKS ARE VERY UNSTABLE DUE TO RUSTY CONDIT ION AND MR KAPLON WAS ASVISED THAT SKAGGS/WALSH WANTED TO PUMP OUT THE TANKS FOR SAFETY REASONS - MR KAPLON REFUSED TO ALLOW THEM BACKINTO THE BUILDING AND WHEN THE STORE WHICH IS ALSO A TENNANT OF THE BUILDING WAS CALLED FOR ENTRY MR KAPLON HAD TOLD THEM NOT TO LET ANYONE INTO BUILDIN G - MR KAPLON STATED THAT HE WANTED TO INVESTIGATE THE SITUTATION HIMSE LF BEFORE ANYTHING IS DONE

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
86 ENE 1/4-1/2 2240 ft.	WALT WHITMAN HOUSES 120 CUMBERLAND WALK BROOKLYN, NY	LTANKS	S102672778 N/A

Relative: Higher

Actual: 45 ft.

LTANKS:

Spill Number: 9413432
Spill Date: 01/09/1995 12:00
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Facility Contact: Not reported
Investigator: HEALY
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: NYC HOUSING AUTHORITY
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 01/23/95
Spill Notifier: Local Agency
Cleanup Ceased: 01/23/95
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 02/07/95
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 01/10/95
Date Region Sent Summary to Central Office: / /

Region of Spill: 2
Reported to Dept: 01/09/95 14:40
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: (212) 306-3142
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: 2-474509

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 30
Units: Gallons
Unknown Qty Spilled: 30
Quantity Recovered: 30
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL

WALT WHITMAN HOUSES (Continued) S102672778

Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: TANK OVERFILL. CAME OUT VENT-SIDEWALK AFFECTED. BEING CLEANED BY PROJECT PERSONNEL.

U87
NE
1/4-1/2
2249 ft.

RED HOOK MARINE TRMNL
ADMINISTRATION BLDG
NYC, NY

LTANKS S100145270
N/A

Site 1 of 3 in cluster U

Relative:
Lower

Actual:
18 ft.

LTANKS:
Spill Number: 8806571
Spill Date: 11/05/1988 20:00
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: SULLIVAN
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: PORT AUTH
Spiller Address: Not reported
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 11/13/92
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 11/14/87
Date Region Sent Summary to Central Office: / /

Region of Spill: 2
Reported to Dept: 11/05/88 21:27
Date Call Received:Not reported
Amount Spilled 1 : Not reported
Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: -1

RED HOOK MARINE TRMNL (Continued) S100145270

Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: SYSTEMS FAILURE, TK SIZE UNK. L R= -0.67 GPH. WILL ISOL RETST.

U88
NE
1/4-1/2
2249 ft.

RED HOOK MARINE/PT AUTH
RED HOOK MARINE TERMINAL
BROOKLYN, NY

LTANKS S100145260
N/A

Site 2 of 3 in cluster U

Relative:
Lower

Actual:
18 ft.

LTANKS:
Spill Number: 8806372
Spill Date: 10/30/1988 18:30
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: SIGONA
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: PORT AUTHORITY
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 11/14/94
Spill Notifier: Tank Tester
Cleanup Ceased: 11/14/94
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 11/15/94
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 11/03/88
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported

Region of Spill: 2
Reported to Dept: 10/30/88 19:30
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: 2-365866

RED HOOK MARINE/PT AUTH (Continued) S100145260

Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
DEC Remarks: Not reported
Spill Cause: 2) 4K TANKS FAILED WITH A LEAK RATE OF 0.2366GPH, WILL EXCAVATE ISOLATE BOTH TANKS RETEST.

U89 **RED HOOK TERM/BKLYN/** LTANKS S100145473
NE **RED HOOK TERMINAL** N/A
1/4-1/2 **NEW YORK CITY, NY**
2249 ft.

Site 3 of 3 in cluster U

Relative: **Lower**

Actual: **18 ft.**

LTANKS:
Spill Number: 8903111
Spill Date: 06/25/1989 16:30
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: SULLIVAN
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 11/13/92
Is Updated: False
Corrective Action Plan Submitted: / /

Region of Spill: 2
Reported to Dept: 06/25/89 16:35
Date Call Received: Not reported
Amount Spilled 1 : Not reported
Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

RED HOOK TERM/BKLYN/ (Continued) S100145473

True Date : Not reported
Date Spill Entered In Computer Data File: 01/25/90
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: Not reported

V90 WSW 1/4-1/2 2290 ft. **111 LIVINGSTON ST/NY TEL**
111 LIVINGSTON ST
BKLYN, NY

LTANKS S102671891
N/A

Relative: Higher

Actual: 51 ft.

Site 1 of 3 in cluster V

LTANKS:
Spill Number: 9201880
Spill Date: 05/15/1992 08:00
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Facility Contact: Not reported
Investigator: MILLER
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: NY TEL
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 05/15/92
Spill Notifier: Other
Cleanup Ceased: 05/15/92
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /

Region of Spill: 2
Reported to Dept: 05/15/92 11:21
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

111 LIVINGSTON ST/NY TEL (Continued) S102671891

Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 10/23/92
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 05/20/92
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 25
Units: Gallons
Unknown Qty Spilled: 25
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: FUEL ON SOIL PAVEMENT; CASTLE TEAM CLEANING UP 1250 SPOKE TO NY TELEPHON E RALPH BALZANO-ALL CLEANED UP SATISFACTION

V91
WSW
1/4-1/2
2290 ft.

NY TELEPHONE
111 LIVINGSTON STREET
BROOKLYN, NY

LTANKS S100494171
N/A

Site 2 of 3 in cluster V

Relative:
Higher

Actual:
51 ft.

LTANKS:
Spill Number: 9208281
Spill Date: 10/17/1992 01:94
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: TIBBE
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: NY TELEPHONE
Spiller Address: 111 LIVINGSTON STREET
BROOKLYN, NY

Region of Spill: 2
Reported to Dept: 10/18/92 08:15
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

NY TELEPHONE (Continued) S100494171

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
Cleanup Ceased: / /
PBS Number: Not reported
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 10/28/98
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 12/09/92
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: 10/18/92: REPORTEDLY, TANK 25,000 GALLON NUMBER 2) FAILED HORNER II WIT H LEAK RATE @-0.200GPHL; PLAN TO RETEST. 10/28/98 @1509, MILLER REASSIGN ED SPILL NO. 9208281 TO M. TIBBE SPILL NO. 8703493).
Spill Cause: T.T.F.

V92
WSW
1/4-1/2
2290 ft.

COGEN CORPORATION
111 LIVINGSTON STREET
BROOKLYN, NY 11201

UST U001839463
LTANKS N/A
AIRS

Site 3 of 3 in cluster V

Relative:
Higher

Actual:
51 ft.

LTANKS:
Spill Number: 9907907
Spill Date: 09/29/1999 14:00
ID: Not reported
Material Spilled 1 Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: DAVID MARCUS
Investigator: SIGONA

Region of Spill: 2
Reported to Dept: 09/29/99 15:49
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: (718) 797-2426
SWIS: 61

COGEN CORPORATION (Continued) U001839463

Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: DAVID MARCUS
Spiller: COGEN
Spiller Address: 111 LIVINGSTON ST
BROOKLYN, NY
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 12/29/99
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 09/29/99
Date Region Sent Summary to Central Office: / /

Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: (718) 797-2426
PBS Number: 2-344486

Tank Test:
PBS Number: Not reported
Tank Number: 1
Test Method: Horner EZ Check
Capacity of Failed Tank: 25000
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464

Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: LUBE OIL
Class Type: Petroleum
Chem Abstract Service Number: LUBE OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 295

COGEN CORPORATION (Continued) U001839463

Material: LUBRICATING OIL
Class Type: Petroleum
Chem Abstract Service Number: LUBRICATING OIL
Last Date: Not reported
Num Times Material Entry In File: 292
DEC Remarks: On 12/29/99 DEC Sigona received an update from John Leddy Protest. The tank only test passed, but lines failed. They are considering a site as sessment and tank replacement. They also have test additional tanking p lanned for 2nd 25k UST, and willdiscuss testing the 3K 6 f.o UST.
Spill Cause: Both tanks are under ground one tank is in a vault the other is wrapped in concrete property owners heve been made aware of results and will arr ange for a retest

PBS UST:
PBS Number: 2-344486
SPDES Number: Not reported
Operator: COGEN CORPORATION (718) 330-8383
Emergency Contact: COGEN CORPORATION (718) 330-8383
Total Tanks: 3
Owner: 111 LIVINGSTON LLC 1481 47TH STREET BROOKLYN, NY 11219 (718) 438-5100
Owner Type: Corporate/Commercial
Owner Mark: Second Owner
Owner Subtype: Not reported
Mailing Address: LOUIS STAHL 111 LIVINGSTON LLC 1481 47TH STREET BROOKLYN, NY 11219 (718) 438-5100
Tank Status: Temporarily Out of Service
Capacity (gals): 3000
Tank Location: UNDERGROUND
Tank Id: 003
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: Not reported
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: Not reported
Leak Detection: Not reported
Overfill Prot: Not reported
Date Tested: Not reported
Date Closed: Not reported
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 31000
Tank Screen: Minor data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported

CBS Number: Not reported
SWIS ID: 6101

Install Date: 01/01/1972
Product Stored: LUBE OIL
Pipe Internal: Not reported
Pipe Type: Not reported

Dispenser: Not reported
Next Test Date: 12/27/1987
Test Method: Not reported
Updated: True
Owner Screen: No data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 11/03/2000
Expiration Date: 11/03/2005
Inspector: Not reported

COGEN CORPORATION (Continued) U001839463

Lat/long: Not reported
Facility Type: UTILITY
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

PBS OWNHIST
Operator: NYNEX
Emergency: NYNEX
Emergency Tel: (718) 330-8383
Facility Type: UTILITY
Old PBSNO: Not reported
Facility Owner: NYNEX
Facility Address: 111 LIVINGSTON STREET
111 LIVINGSTON STREET
BROOKLYN, NY 11201

Inspector: Not reported
Insp Result: Not reported
Inspect Date: Not reported
Owner: ABRAHM LESER
Federal ID: 13-5275510
Owner Tel: (718) 438-5100
Owner Subtype: New York Telephone
Owner Type: Corporate/Commercial
Mail Address: ABRAHAM LESER
1481 47TH STREET
BROOKLYN, NY 11219
Owner Mark: Not reported
Certify Date: (212) 338-7881
First Owner
Total Capacity (Gal): 12/14/1997
56000
Expiration: 12/14/1997
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6101
Facility Phone : (718) 330-8383
Num of Active Tanks : 4
Facility Owner: ABRAHM LESER
Facility Address: 1481 47TH STREET

BROOKLYN, NY 11219
Owner Phone: (718) 438-5100
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 11/03/2000
Facility Record Updated: True

PBS Number: 2-344486
SPDES Number: Not reported
CBS Number: Not reported
Operator: COGEN CORPORATION
(718) 330-8383
SWIS ID: 6101
Emergency Contact: COGEN CORPORATION
(718) 330-8383
Total Tanks: 3
Owner: 111 LIVINGSTON LLC
1481 47TH STREET
BROOKLYN, NY 11219

COGEN CORPORATION (Continued) U001839463

Owner Type:	(718) 438-5100		
Owner Mark:	Corporate/Commercial		
Owner Subtype:	Second Owner		
Mailing Address:	Not reported		
	LOUIS STAHL		
	111 LIVINGSTON LLC		
	1481 47TH STREET		
	BROOKLYN, NY 11219		
	(718) 438-5100		
Tank Status:	In Service		
Capacity (gals):	3000		
Tank Location:	UNDERGROUND		
Tank Id:	004		
Tank Type:	Steel/carbon steel	Install Date:	01/01/1972
Tank Internal:	Not reported	Product Stored:	USED OIL
Pipe Location:	Not reported	Pipe Internal:	Not reported
Tank External:	Not reported	Pipe Type:	Not reported
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	Not reported		
Leak Detection:	Not reported		
Overfill Prot:	Not reported		
Date Tested:	Not reported	Dispenser:	Not reported
Date Closed:	Not reported	Next Test Date:	12/27/1987
Deleted:	False	Test Method:	Not reported
Dead Letter:	False	Updated:	True
FAMT:	Fiscal amount for registration fee is correct	Owner Screen:	No data missing
Total Capacity:	31000		
Tank Screen:	Minor data missing	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	11/03/2000
Inspected Date:	Not reported	Expiration Date:	11/03/2005
Inspection Result:	Not reported	Inspector:	Not reported
Lat/long:	Not reported		
Facility Type:	UTILITY		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS OWNHIST

Operator:	NYNEX		
Emergency:	NYNEX		
Emergency Tel:	(718) 330-8383		
Facility Type:	UTILITY	Old PBSNO:	Not reported
Facility Owner:	NYNEX		
Facility Address:	111 LIVINGSTON STREET		
	111 LIVINGSTON STREET		
	BROOKLYN, NY 11201		
Inspector:	Not reported		
Insp Result:	Not reported	Inspect Date:	Not reported
Owner:	ABRAHM LESER	Federal ID:	13-5275510
Owner Tel:	(718) 438-5100		
Owner Subtype:	New York Telephone	Owner Type:	Corporate/Commercial
Mail Address:	ABRAHAM LESER		
	1481 47TH STREET		
	BROOKLYN, NY 11219		

COGEN CORPORATION (Continued) U001839463

Not reported
(212) 338-7881
Owner Mark: First Owner
Certify Date: 12/14/1997
Total Capacity (Gal): 56000 Expiration: 12/14/1997
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6101
Facility Phone : (718) 330-8383
Num of Active Tanks : 4
Facility Owner: ABRAHM LESER
Facility Address: 1481 47TH STREET
BROOKLYN, NY 11219
Owner Phone: (718) 438-5100
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr In Computer : 11/03/2000
Facility Record Updated: True

PBS Number: 2-344486
SPDES Number: Not reported
Operator: COGEN CORPORATION
(718) 330-8383
Emergency Contact: COGEN CORPORATION
(718) 330-8383
Total Tanks: 3
Owner: 111 LIVINGSTON LLC
1481 47TH STREET
BROOKLYN, NY 11219
(718) 438-5100
Owner Type: Corporate/Commercial
Owner Mark: Second Owner
Owner Subtype: Not reported
Mailing Address: LOUIS STAHL
111 LIVINGSTON LLC
1481 47TH STREET
BROOKLYN, NY 11219
(718) 438-5100
Tank Status: In Service
Capacity (gals): 25000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 1
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: 2
Date Tested: 04/01/1993

CBS Number: Not reported
SWIS ID: 6101

Install Date: 01/01/1972
Product Stored: DIESEL
Pipe Internal: Not reported
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: 04/01/1998

COGEN CORPORATION (Continued) U001839463

Date Closed: Not reported
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 31000
Tank Screen: Minor data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: UTILITY
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Test Method: HORNER
Updated: True
Owner Screen: No data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 11/03/2000
Expiration Date: 11/03/2005
Inspector: Not reported

PBS OWNHIST
Operator: NYNEX
Emergency: NYNEX
Emergency Tel: (718) 330-8383
Facility Type: UTILITY
Facility Owner: NYNEX
Facility Address: 111 LIVINGSTON STREET
111 LIVINGSTON STREET
BROOKLYN, NY 11201

Old PBSNO: Not reported

Inspector: Not reported
Insp Result: Not reported
Owner: ABRAHM LESER
Owner Tel: (718) 438-5100
Owner Subtype: New York Telephone
Mail Address: ABRAHAM LESER
1481 47TH STREET
BROOKLYN, NY 11219
Not reported
(212) 338-7881
Owner Mark: First Owner
Certify Date: 12/14/1997
Total Capacity (Gal): 56000
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6101
Facility Phone : (718) 330-8383
Num of Active Tanks : 4
Facility Owner: ABRAHM LESER
Facility Address: 1481 47TH STREET
BROOKLYN, NY 11219
Owner Phone: (718) 438-5100
Facility Status: 1
Certificate Needs Printed :. False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 11/03/2000
Facility Record Updated: True

Inspect Date: Not reported
Federal ID: 13-5275510
Owner Type: Corporate/Commercial
Expiration: 12/14/1997

COGEN CORPORATION (Continued)

U001839463

PBS Number:	2-344486		
SPDES Number:	Not reported	CBS Number:	Not reported
Operator:	COGEN CORPORATION (718) 330-8383	SWIS ID:	6101
Emergency Contact:	COGEN CORPORATION (718) 330-8383		
Total Tanks:	3		
Owner:	111 LIVINGSTON LLC 1481 47TH STREET BROOKLYN, NY 11219 (718) 438-5100		
Owner Type:	Corporate/Commercial		
Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	LOUIS STAHL 111 LIVINGSTON LLC 1481 47TH STREET BROOKLYN, NY 11219 (718) 438-5100		
Tank Status:	Closed - In Place		
Capacity (gals):	25000		
Tank Location:	UNDERGROUND		
Tank Id:	002		
Tank Type:	Steel/carbon steel	Install Date:	01/01/1972
Tank Internal:	Not reported	Product Stored:	DIESEL
Pipe Location:	1	Pipe Internal:	Not reported
Tank External:	Not reported	Pipe Type:	STEEL/IRON
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2		
Date Tested:	04/01/1993	Dispenser:	Suction
Date Closed:	Not reported	Next Test Date:	Not reported
Deleted:	False	Test Method:	HORNER
Dead Letter:	False	Updated:	True
FAMT:	Fiscal amount for registration fee is correct	Owner Screen:	No data missing
Total Capacity:	31000		
Tank Screen:	Minor data missing	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	11/03/2000
Inspected Date:	Not reported	Expiration Date:	11/03/2005
Inspection Result:	Not reported	Inspector:	Not reported
Lat/long:	Not reported		
Facility Type:	UTILITY		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS OWNHIST

Operator:	NYNEX		
Emergency:	NYNEX		
Emergency Tel:	(718) 330-8383	Old PBSNO:	Not reported
Facility Type:	UTILITY		
Facility Owner:	NYNEX		

COGEN CORPORATION (Continued) U001839463

Facility Address: 111 LIVINGSTON STREET
111 LIVINGSTON STREET
BROOKLYN, NY 11201

Inspector: Not reported
Insp Result: Not reported
Inspect Date: Not reported
Owner: ABRAHM LESER
Federal ID: 13-5275510
Owner Tel: (718) 438-5100
Owner Subtype: New York Telephone
Owner Type: Corporate/Commercial
Mail Address: ABRAHAM LESER
1481 47TH STREET
BROOKLYN, NY 11219
Not reported
(212) 338-7881
Owner Mark: First Owner
Certify Date: 12/14/1997
Total Capacity (Gal): 56000
Expiration: 12/14/1997
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6101
Facility Phone : (718) 330-8383
Num of Active Tanks : 4
Facility Owner: ABRAHM LESER
Facility Address: 1481 47TH STREET
BROOKLYN, NY 11219
Owner Phone: (718) 438-5100
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 11/03/2000
Facility Record Updated: True

T93
South
1/4-1/2
2298 ft.

COMMUNITY LIVING
50 NEVINS ST
BROOKLYN, NY

LTANKS S105135276
N/A

Site 2 of 2 in cluster T

Relative:
Higher

Actual:
40 ft.

LTANKS:

Spill Number: 0209832
Tank Number: 1
Test Method: HORNER EZ CHECK
Spill Date: 12/27/02
ID: 16860
Material Spilled 1 #2 FUEL OIL
Region Close Dt : 09/30/03
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported

Region of Spill: 2
Tank Size : 3000
Leak Rate: 0.00
Reported to Dept: / /
Date Call Received:12/27/02
Amount Spilled 1 : Unknown Gal.

Spill Source: OTHER NON COMM/INSTITUTIONAL

Spill Number: 0209832
Tank Number: 1
Test Method: HORNER EZ CHECK
Spill Date: 12/27/02
ID: 16861
Material Spilled 1 #2 FUEL OIL

Region of Spill: 2
Tank Size : 3000
Leak Rate: 0.00
Reported to Dept: / /
Date Call Received:12/27/02
Amount Spilled 1 : Unknown Gal.

COMMUNITY LIVING (Continued) S105135276

Region Close Dt : 09/30/03
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported

Spill Source: OTHER NON COMM/INSTITUTIONAL

Spill Number: 0104574
Spill Date: 07/30/2001 08:45
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: DEAN PETERSON
Investigator: ROMMEL
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: DEAN PETERSON
Spiller: COMMUNITY LIVING
Spiller Address: 50 NEVINS ST
BROOKLYN, NY 11217

Region of Spill: 2
Reported to Dept: 07/30/01 09:27
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: (718) 788-4050
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: (718) 788-4050

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
Cleanup Ceased: / /
Last Inspection: / /

PBS Number: Not reported

Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 07/31/01
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 07/30/01
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL

COMMUNITY LIVING (Continued) S105135276

Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: caller found the tank that may be connected to an abandoned tank and he believes that is why the tank test failed

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94 WSW 1/4-1/2 2334 ft.
BROOKLYN LAW SCHOOL
250 JORALEMON ST
BROOKLYN, NY
LTANKS S105995729 N/A

Relative: Higher
Actual: 59 ft.

LTANKS:

Spill Number: 0200999
Tank Number: Not reported
Test Method: Not reported
Spill Date: 04/24/02
ID: 5032
Material Spilled 1 #2 FUEL OIL
Region Close Dt : / /
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported

Region of Spill: 2
Tank Size : Not reported
Leak Rate: Not reported
Reported to Dept: / /
Date Call Received:04/26/02
Amount Spilled 1 : 0 Gal.

Spill Source: OTHER COMM/INDUSTRIAL

Spill Number: 0200999
Tank Number: Not reported
Test Method: Not reported
Spill Date: 04/24/02
ID: 5033
Material Spilled 1 #2 FUEL OIL
Region Close Dt : / /
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported

Region of Spill: 2
Tank Size : Not reported
Leak Rate: Not reported
Reported to Dept: / /
Date Call Received:04/26/02
Amount Spilled 1 : 0 Gal.

Spill Source: OTHER COMM/INDUSTRIAL

---

95 NW 1/4-1/2 2371 ft.
186 JAY STREET
186 JAY STREEY
BROOKLYN, NY
LTANKS S103560679
NY Spills N/A

Relative: Higher
Actual: 64 ft.

SPILLS:

Spill Number: 9500879
Spill Date: 04/21/1995 12:22
ID: Not reported
Dt Call Received: Not reported
Material Spilled 1 :Not reported
Spill Cause: Other
Water Affected: Not reported
Facility Contact: Not reported
Investigator: TIBBE
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: UNKNOWN

Region of Spill: 2
Reported to Dept: 04/21/95 12:22
Region Close Date Not reported
Amount Spilled 1 : Not reported
Resource Affected: On Land
Spill Source: Non Major Facility > 1,100 gallons
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported

186 JAY STREET (Continued) S103560679

Spiller Address: Not reported
DEC Remarks : 10/10/95: This is additional information about material spilled from the translation of the old spill file: HEATING FUEL. COPY OF MAINTEST TO COME 4/21/95). SOIL REMOVED VERY LITTLE CONTAMINATION.
Remark: 5000 GAL TANK SINGLE WALL STEEL TANK REMOVED FROM LOCATION - TEST DONE ON SOIL AND COMPAIRED TO OTHER SOIL IN AREA SHOWS LESS THAN 100/PARTS PER MILLION SOIL REMOVED TO STORAGE AREA.
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464

Spill Closed Dt: 04/21/95
Spill Notifier: Tank Tester
Cleanup Ceased: / /
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 01/26/98
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 05/12/95
Date Region Sent Summary to Central Office: / /
True Date : Not reported

PBS Number: Not reported
Cleanup Meets Std:False
Enforcement Date: / /
UST Involvement: False

LTANKS:
Spill Number: 9210273
Spill Date: 12/04/1992 12:30
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: BATTISTA
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported

Region of Spill: 2
Reported to Dept: 12/04/92 14:26
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

186 JAY STREET (Continued) S103560679

Spiller Contact: Not reported
Spiller: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 05/09/94
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 12/08/92
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: T.T.F. EXCAVATE/ISOLATE/RETEST

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96 WSW 1/4-1/2 2382 ft.

120 SCHERMERHORN STREET
120 SCHERMERHORN STREET
BROOKLYN, NY

LTANKS S102671978
N/A

Relative: Higher

Actual: 43 ft.

LTANKS:
Spill Number: 9209002
Spill Date: 11/04/1992 11:15
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Facility Contact: Not reported
Investigator: O'DOWD

Region of Spill: 2
Reported to Dept: 11/04/92 11:48
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: Not reported
SWIS: 61

120 SCHERMERHORN STREET (Continued) S102671978

Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 11/04/92
Spill Notifier: Other
Cleanup Ceased: 11/04/92
PBS Number: Not reported
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 11/04/92
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 10
Units: Gallons
Unknown Qty Spilled: 10
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: Not reported
Spill Cause: BLDG SUPT STUCK TANK-TOLD DRIVER TANK WOULD TAKE 6500 GALS-OIL LEAKED OUT VENT TO CONCRETE AND SOIL AREAS AT 6053 GALS-SPILLER CONTAINED SPILL-COASTAL SPILL TEAM TO COMPLETE CLEANUP

W97
NE
1/4-1/2
2412 ft.

BROOKLYN NAVY YARD INDUSTRIAL PARK
63 FLUSHING AVE.
BROOKLYN, NY 11205

UST U003075007
AST N/A
LTANKS
NY Spills

Site 1 of 3 in cluster W

Relative:
Lower

Actual:
15 ft.

SPILLS:

Spill Number: 0106026
Spill Date: 09/06/2001 09:33
ID: Not reported
Dt Call Received: Not reported
Material Spilled 1 :Not reported
Spill Cause: Equipment Failure
Water Affected: DRY DOCK
Facility Contact: MICHAEL BROWN
Investigator: TIPPLE
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: MICHAEL BROWN
Spiller: BROOKLYN NAVY YARD
Spiller Address: 63 FLUSHING AVE
BROOKLYN NY
DEC Remarks : Not reported
Remark: ******drill only - no spill*********
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Region of Spill: 2
Reported to Dept: 09/06/01 09:33
Region Close Date Not reported
Amount Spilled 1 : Not reported
Resource Affected: Surface Water
Spill Source: Other Commercial/Industrial
Facility Tele: (518) 246-0887
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: (518) 246-0887

Tank Test:

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:

Material Class Type: 1
Quantity Spilled: 200000
Units: Gallons
Unknown Qty Spilled: 200000
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464

Spill Closed Dt: / /
Spill Notifier: Responsible Party
Cleanup Ceased: / /
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 09/07/01
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 09/06/01

PBS Number: Not reported
Cleanup Meets Std:False
Enforcement Date: / /
UST Involvement: False

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Date Region Sent Summary to Central Office: / /
True Date : Not reported
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

LTANKS:

Spill Number: 0306663
Tank Number: Not reported
Test Method: Not reported
Spill Date: 09/24/03
ID: 30008
Material Spilled 1 :FERRIC CHLORIDE
Region Close Dt : 09/25/03
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: Not reported

Region of Spill: 2
Tank Size : Not reported
Leak Rate: Not reported
Reported to Dept: / /
Date Call Received:09/24/03
Amount Spilled 1 : Unknown Gal.

Spill Source: OTHER COMM/INDUSTRIAL

Spill Number: 0306663
Tank Number: Not reported
Test Method: Not reported
Spill Date: 09/24/03
ID: 30009
Material Spilled 1 :FERRIC CHLORIDE
Region Close Dt : 09/25/03
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: Not reported

Region of Spill: 2
Tank Size : Not reported
Leak Rate: Not reported
Reported to Dept: / /
Date Call Received:09/24/03
Amount Spilled 1 : Unknown Gal.

Spill Source: OTHER COMM/INDUSTRIAL

Spill Number: 0002791
Spill Date: 06/05/2000 14:30
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: NICHOLAS MANN
Investigator: TOMASELLO
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: NICHOLAS MANN
Spiller: BROOKYN NAVY YARD
Spiller Address: 63 FLUSHING AVE
BROOKLYN, NY 11205
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /

Region of Spill: 2
Reported to Dept: 06/05/00 15:51
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: (718) 852-1441
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: (718) 852-1441

PBS Number: 2-602406

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 11/05/01
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 06/05/00
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: 174
Test Method: Tankology [Vacutect]
Capacity of Failed Tank: 1000
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Talk Test Failures only pass or fail
PBS Number: Not reported
Tank Number: 174
Test Method: Tankology [Vacutect]
Capacity of Failed Tank: 1000
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Talk Test Failures only pass or fail
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: 11/05/01: MF-R9 1-1K GASOLINE UST FAILED TT. TANK REMOVED EXCAVATION SAMPLED. NO CONTAMINATED SOIL.
Spill Cause: ullage lost

PBS UST:
PBS Number: 2-602406
SPDES Number: Not reported
Operator: B.N.Y.D.C.
(718) 852-1441
Emergency Contact: NICHOLAS A. MANN
(718) 852-1441
Total Tanks: 10
CBS Number: Not reported
SWIS ID: 6101
Owner: BROOKLYN NAVY YARD DEVELOPMENT CORP
63 FLUSHING AVENUE
BROOKLYN, NY 11205
(718) 852-1441
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: BROOKLYN NAVY YARD DEVELOPMENT CORP
ATTN: JAMES CORLEY, JR.
BROOKLYN NAVY YARD
63 FLUSHING AVENUE
BROOKLYN, NY 11205

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

(718) 852-1441
Tank Status: Closed - Removed
Capacity (gals): 850
Tank Location: UNDERGROUND
Tank Id: 13-11
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Aboveground
Tank External: NONE/NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE/NONE
Second Containment: NONE/NONE
Leak Detection: NONE/NONE
Overfill Prot: None
Date Tested: Not reported
Date Closed: 03/01/1999
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 79500
Tank Screen: No data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: Not reported
Product Stored: DIESEL
Pipe Internal: NONE
Pipe Type: STEEL/IRON
Dispenser: None
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 11/16/2001
Expiration Date: 08/17/2005
Inspector: Not reported

PBS Number: 2-602406
SPDES Number: Not reported
Operator: B.N.Y.D.C.
(718) 852-1441
Emergency Contact: NICHOLAS A. MANN
(718) 852-1441
Total Tanks: 10
Owner: BROOKLYN NAVY YARD DEVELOPMENT CORP
63 FLUSHING AVENUE
BROOKLYN, NY 11205
(718) 852-1441
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: BROOKLYN NAVY YARD DEVELOPMENT CORP
ATTN: JAMES CORLEY, JR.
BROOKLYN NAVY YARD
63 FLUSHING AVENUE
BROOKLYN, NY 11205
(718) 852-1441

CBS Number: Not reported
SWIS ID: 6101

Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 14-PCM

Install Date: Not reported

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	None
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1999	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	79500	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/16/2001
Old PBS Number:	Not reported	Expiration Date:	08/17/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-602406	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	B.N.Y.D.C. (718) 852-1441		
Emergency Contact:	NICHOLAS A. MANN (718) 852-1441		
Total Tanks:	10		
Owner:	BROOKLYN NAVY YARD DEVELOPMENT CORP 63 FLUSHING AVENUE BROOKLYN, NY 11205 (718) 852-1441		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	BROOKLYN NAVY YARD DEVELOPMENT CORP ATTN: JAMES CORLEY, JR. BROOKLYN NAVY YARD 63 FLUSHING AVENUE BROOKLYN, NY 11205 (718) 852-1441		

Tank Status:	Temporarily Out of Service		
Capacity (gals):	1000		
Tank Location:	UNDERGROUND		
Tank Id:	1-74		
Tank Type:	Steel/carbon steel	Install Date:	Not reported
Tank Internal:	NONE	Product Stored:	UNLEADED GASOLINE
Pipe Location:	Underground	Pipe Internal:	NONE
Tank External:	NONE/SACRIFICIAL ANODE	Pipe Type:	FIBERGLASS [FRP]
Missing Data for Tank:	No Missing Data		

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Pipe External:	NONE/FIBERGLASS		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/IN-TANK SYSTEM		
Overfill Prot:	High Level Alarm, Catch Basin	Dispenser:	Suction
Date Tested:	11/01/1995	Next Test Date:	Not reported
Date Closed:	03/01/1999	Test Method:	TANKOLOGY [VACUTECT]
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	79500	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/16/2001
Old PBS Number:	Not reported	Expiration Date:	08/17/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-602406	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	B.N.Y.D.C. (718) 852-1441		
Emergency Contact:	NICHOLAS A. MANN (718) 852-1441		
Total Tanks:	10		
Owner:	BROOKLYN NAVY YARD DEVELOPMENT CORP 63 FLUSHING AVENUE BROOKLYN, NY 11205 (718) 852-1441		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	BROOKLYN NAVY YARD DEVELOPMENT CORP ATTN: JAMES CORLEY, JR. BROOKLYN NAVY YARD 63 FLUSHING AVENUE BROOKLYN, NY 11205 (718) 852-1441		
Tank Status:	In Service		
Capacity (gals):	1500		
Tank Location:	UNDERGROUND		
Tank Id:	2-74		
Tank Type:	Steel/carbon steel	Install Date:	Not reported
Tank Internal:	NONE	Product Stored:	UNLEADED GASOLINE
Pipe Location:	Underground	Pipe Internal:	NONE
Tank External:	NONE/SACRIFICIAL ANODE	Pipe Type:	FIBERGLASS [FRP]
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/FIBERGLASS		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/IN-TANK SYSTEM		
Overfill Prot:	High Level Alarm, Catch Basin	Dispenser:	Suction
Date Tested:	06/05/2000	Next Test Date:	Not reported

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Date Closed:	03/01/1999	Test Method:	TANKOLOGY [VACUTECT]
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	79500	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/16/2001
Old PBS Number:	Not reported	Expiration Date:	08/17/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-602406	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	B.N.Y.D.C. (718) 852-1441		
Emergency Contact:	NICHOLAS A. MANN (718) 852-1441		
Total Tanks:	10		
Owner:	BROOKLYN NAVY YARD DEVELOPMENT CORP 63 FLUSHING AVENUE BROOKLYN, NY 11205 (718) 852-1441		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	BROOKLYN NAVY YARD DEVELOPMENT CORP ATTN: JAMES CORLEY, JR. BROOKLYN NAVY YARD 63 FLUSHING AVENUE BROOKLYN, NY 11205 (718) 852-1441		
Tank Status:	In Service		
Capacity (gals):	10000		
Tank Location:	UNDERGROUND		
Tank Id:	3-275		
Tank Type:	Steel/carbon steel	Install Date:	Not reported
Tank Internal:	EPOXY LINER	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Pipe Location:	Underground	Pipe Internal:	NONE
Tank External:	NONE/NONE	Pipe Type:	STEEL/IRON
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	06/05/2000	Next Test Date:	06/05/2005
Date Closed:	Not reported	Test Method:	TANKOLOGY [VACUTECT]
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	79500	Renewal Date:	Not reported

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/16/2001
Old PBS Number:	Not reported	Expiration Date:	08/17/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
5 additional NY PBS record(s) in the EDR Site Report.

PBS AST:

PBS Number:	2-602406	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6101
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	OTHER		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	BROOKLYN NAVY YARD DEVELOPMENT CORP 63 FLUSHING AVENUE BROOKLYN, NY 11205		
Owner Phone:	(718) 852-1441		
Facility Phone:	(718) 852-1441		
Operator:	B.N.Y.D.C.		
Emergency Name:	NICHOLAS A. MANN		
Emergency Phone:	(718) 852-1441		
Total Tanks:	10		
Total Capacity:	79500		
Tank ID:	9-270		
Capacity (Gal):	8000		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	07/01/1993		
Tank Internal:	NONE		
Tank External:	NONE/NONE		
Tank Containment:	IMPERVIOUS UNDERLAYMENT/CONCRETE DIKE		
Pipe Type:	STEEL/IRON		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Protection:	Product Level Gauge, Vent Whistle		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Result of Inspection: Not reported
Mailing Name: BROOKLYN NAVY YARD DEVELOPMENT CORP
Mailing Address: BROOKLYN NAVY YARD
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Mailing Contact: JAMES CORLEY, JR.
Mailing Telephone: (718) 852-1441
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: Not reported
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2
Fiscal Amount for Registration Fee is Correct: True

Expiration Date: 08/17/2005
Certification Date: 11/16/2001
Renew Date: / /

PBS Number: 2-602406
SPDES Number: Not reported
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

CBS Number: Not reported
SWIS Code: 6101
Previous PBS#: Not reported

Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: BROOKLYN NAVY YARD DEVELOPMENT CORP
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Owner Phone: (718) 852-1441
Facility Phone: (718) 852-1441
Operator: B.N.Y.D.C.
Emergency Name: NICHOLAS A. MANN
Emergency Phone: (718) 852-1441
Total Tanks: 10
Total Capacity: 79500
Tank ID: 10-41A
Capacity (Gal): 14500
Missing Data for Tank: No data missing
Tank Location: ABOVEGROUND
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Install Date: / /
Tank Internal: NONE
Tank External: NONE/NONE
Tank Containment: NONE/PREFABRICATED STEEL DIKE
Pipe Type: STEEL/IRON
Pipe Location: Aboveground
Pipe Internal: NONE
Pipe External: NONE/NONE
Leak Detection: NONE/NONE
Overfill Protection: Automatic Shut-Off, Catch Basin
Dispenser Method: Suction
Date Tested: / /

Next Test Date: / /

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Date Closed:	/ /		
Updated:	True	Test Method:	Not reported
Date Inspected:	Not reported	Deleted:	False
Result of Inspection:	Not reported	Inspector:	Not reported
Mailing Name:	BROOKLYN NAVY YARD DEVELOPMENT CORP		
Mailing Address:	BROOKLYN NAVY YARD 63 FLUSHING AVENUE BROOKLYN, NY 11205		
Mailing Contact:	JAMES CORLEY, JR.		
Mailing Telephone:	(718) 852-1441		
Owner Mark:	First Owner		
Certification Flag:	False	Expiration Date:	08/17/2005
Renew Flag:	False	Certification Date:	11/16/2001
Lat/Long:	Not reported	Renew Date:	/ /
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	No data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-602406		
SPDES Number:	Not reported	CBS Number:	Not reported
Federal ID:	Not reported	SWIS Code:	6101
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.	Previous PBS#:	Not reported
Facility Type:	OTHER		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	BROOKLYN NAVY YARD DEVELOPMENT CORP 63 FLUSHING AVENUE BROOKLYN, NY 11205		
Owner Phone:	(718) 852-1441		
Facility Phone:	(718) 852-1441		
Operator:	B.N.Y.D.C.		
Emergency Name:	NICHOLAS A. MANN		
Emergency Phone:	(718) 852-1441		
Total Tanks:	10		
Total Capacity:	79500		
Tank ID:	11-41A		
Capacity (Gal):	14500		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	/ /		
Tank Internal:	NONE		
Tank External:	NONE/NONE		
Tank Containment:	NONE/PREFABRICATED STEEL DIKE		
Pipe Type:	STEEL/IRON		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE/NONE		
Leak Detection:	NONE/NONE		

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Overfill Protection: Automatic Shut-Off, Catch Basin
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: True
Date Inspected: Not reported
Result of Inspection: Not reported
Mailing Name: BROOKLYN NAVY YARD DEVELOPMENT CORP
Mailing Address: BROOKLYN NAVY YARD
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Mailing Contact: JAMES CORLEY, JR.
Mailing Telephone: (718) 852-1441
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: Not reported
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2
Fiscal Amount for Registration Fee is Correct: True

Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: Not reported

Expiration Date: 08/17/2005
Certification Date: 11/16/2001
Renew Date: / /

PBS Number: 2-602406
SPDES Number: Not reported
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: BROOKLYN NAVY YARD DEVELOPMENT CORP
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Owner Phone: (718) 852-1441
Facility Phone: (718) 852-1441
Operator: B.N.Y.D.C.
Emergency Name: NICHOLAS A. MANN
Emergency Phone: (718) 852-1441
Total Tanks: 10
Total Capacity: 79500
Tank ID: 12-41A
Capacity (Gal): 15000
Missing Data for Tank : No data missing
Tank Location: ABOVEGROUND
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Install Date: / /
Tank Internal: NONE
Tank External: NONE/NONE
Tank Containment: NONE/PREFABRICATED STEEL DIKE
Pipe Type: STEEL/IRON
Pipe Location: Aboveground

CBS Number: Not reported
SWIS Code: 6101
Previous PBS#: Not reported

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Pipe Internal: NONE
Pipe External: NONE/NONE
Leak Detection: NONE/NONE
Overfill Protection: Automatic Shut-Off, Catch Basin
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: True
Date Inspected: Not reported
Result of Inspection: Not reported
Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: Not reported
Mailing Name: BROOKLYN NAVY YARD DEVELOPMENT CORP
Mailing Address: BROOKLYN NAVY YARD
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Mailing Contact: JAMES CORLEY, JR.
Mailing Telephone: (718) 852-1441
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: Not reported
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2
Expiration Date: 08/17/2005
Certification Date: 11/16/2001
Renew Date: / /
Fiscal Amount for Registration Fee is Correct: True

PBS Number: 2-602406
SPDES Number: Not reported
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
CBS Number: Not reported
SWIS Code: 6101
Previous PBS#: Not reported
Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: BROOKLYN NAVY YARD DEVELOPMENT CORP
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Owner Phone: (718) 852-1441
Facility Phone: (718) 852-1441
Operator: B.N.Y.D.C.
Emergency Name: NICHOLAS A. MANN
Emergency Phone: (718) 852-1441
Total Tanks: 10
Total Capacity: 79500
Tank ID: 13-542
Capacity (Gal): 5000
Missing Data for Tank : No data missing
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Product Stored: DIESEL
Tank Type: Steel/carbon steel
Install Date: 11/01/1999
Tank Internal: NONE
Tank External: NONE/PAINTED/ASPHALT COATING

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Tank Containment: NONE/PREFABRICATED STEEL DIKE
Pipe Type: STEEL/IRON
Pipe Location: Aboveground
Pipe Internal: NONE
Pipe External: NONE/PAINTED/ASPHALT COATING
Leak Detection: NONE/IN-TANK SYSTEM
Overfill Protection: High Level Alarm, Catch Basin
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: True
Date Inspected: Not reported
Result of Inspection: Not reported
Mailing Name: BROOKLYN NAVY YARD DEVELOPMENT CORP
Mailing Address: BROOKLYN NAVY YARD
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Mailing Contact: JAMES CORLEY, JR.
Mailing Telephone: (718) 852-1441
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: Not reported
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2
Fiscal Amount for Registration Fee is Correct: True

Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: Not reported

Expiration Date: 08/17/2005
Certification Date: 11/16/2001
Renew Date: / /

PBS Number: 2-602406
SPDES Number: Not reported
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: BROOKLYN NAVY YARD DEVELOPMENT CORP
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Owner Phone: (718) 852-1441
Facility Phone: (718) 852-1441
Operator: B.N.Y.D.C.
Emergency Name: NICHOLAS A. MANN
Emergency Phone: (718) 852-1441
Total Tanks: 10
Total Capacity: 79500
Tank ID: 14-542
Capacity (Gal): 5000
Missing Data for Tank : No data missing
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Product Stored: DIESEL
Tank Type: Steel/carbon steel

CBS Number: Not reported
SWIS Code: 6101
Previous PBS#: Not reported

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Install Date: 11/01/1999
Tank Internal: NONE
Tank External: NONE/PAINTED/ASPHALT COATING
Tank Containment: NONE/PREFABRICATED STEEL DIKE
Pipe Type: STEEL/IRON
Pipe Location: Aboveground
Pipe Internal: NONE
Pipe External: NONE/PAINTED/ASPHALT COATING
Leak Detection: NONE/IN-TANK SYSTEM
Overfill Protection: High Level Alarm, Catch Basin
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: True
Date Inspected: Not reported
Result of Inspection: Not reported
Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: Not reported
Mailing Name: BROOKLYN NAVY YARD DEVELOPMENT CORP
Mailing Address: BROOKLYN NAVY YARD
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Mailing Contact: JAMES CORLEY, JR.
Mailing Telephone: (718) 852-1441
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: Not reported
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2
Expiration Date: 08/17/2005
Certification Date: 11/16/2001
Renew Date: / /
Fiscal Amount for Registration Fee is Correct: True

PBS Number: 2-602406
SPDES Number: Not reported
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
CBS Number: Not reported
SWIS Code: 6101
Previous PBS#: Not reported
Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: BROOKLYN NAVY YARD DEVELOPMENT CORP
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Owner Phone: (718) 852-1441
Facility Phone: (718) 852-1441
Operator: B.N.Y.D.C.
Emergency Name: NICHOLAS A. MANN
Emergency Phone: (718) 852-1441
Total Tanks: 10
Total Capacity: 79500
Tank ID: 15-542
Capacity (Gal): 5000
Missing Data for Tank : No data missing

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Product Stored: DIESEL
Tank Type: Steel/carbon steel
Install Date: 11/01/1999
Tank Internal: NONE
Tank External: NONE/PAINTED/ASPHALT COATING
Tank Containment: NONE/PREFABRICATED STEEL DIKE
Pipe Type: STEEL/IRON
Pipe Location: Aboveground
Pipe Internal: NONE
Pipe External: NONE/PAINTED/ASPHALT COATING
Leak Detection: NONE/IN-TANK SYSTEM
Overfill Protection: High Level Alarm, Catch Basin
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: True
Date Inspected: Not reported
Result of Inspection: Not reported
Mailing Name: BROOKLYN NAVY YARD DEVELOPMENT CORP
Mailing Address: BROOKLYN NAVY YARD
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Mailing Contact: JAMES CORLEY, JR.
Mailing Telephone: (718) 852-1441
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: Not reported
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2
Fiscal Amount for Registration Fee Is Correct: True

Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: Not reported

Expiration Date: 08/17/2005
Certification Date: 11/16/2001
Renew Date: / /

W98
NE
1/4-1/2
2412 ft.

RED HOOK WATER POLLUTION CONTROL PLANT
63 FLUSHING AVENUE
BROOKLYN, NY 11205

CBS AST S104879106
LTANKS N/A
NY Spills

Site 2 of 3 in cluster W

Relative:
Lower

Actual:
15 ft.

SPILLS:

Spill Number: 0209778
Tank Number: Not reported
Test Method: Not reported
Spill Date: 12/24/02
ID: 16789
Date Call Received: 12/24/02
Region Close Date : 12/24/02
Material Spilled 1 :DIESEL
Spill Cause: ON LAND
Water Affected: Not reported

Region of Spill: 2
Tank Size : Not reported
Leak Rate: Not reported
Reported to Dept: / /

Amount Spilled 1 : 10 Gal.
Resource Affected: ON LAND
Spill Source: COMMERCIAL VEHICLE

This is the most recent NY SPILLS record for this site.

RED HOOK WATER POLLUTION CONTROL PLANT (Continued) S104879106

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

CBS AST:

CBS Number:	2-000369		
Owner:	NYC DEP BUREAU OF WASTEWATER POLLUTION CONTROL 96-05 HORACE HARDING EXPRESSWAY CORONA, NY 11368 (718) 595-5050	Telephone:	(718) 935-1507
Facility Status:	Active		
Total Tanks	8		
Tank Status:	In Service		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	Not reported		
Capacity (Gal):	12000		
Tank Type:	Fiberglass reinforced plastic [FRP]		
Substance:	Single Hazardous Substance on DEC List		
Extml Protection:	Fiberglass		
Intml Protection:	Glass Liner		
Tank Containment:	Diking		
Pipe Type:	PLASTIC		
Pipe Internal:	None	Pipe Location:	Aboveground
Pipe External:	None		
Pipe Containment:	None		
Leak Detection:	Vapor Well	Haz Percent:	15
Overfill Protection:	Not reported		
Chemical:	Sodium hypochlorite		
Tank Closed:	Not reported		
PBS Number:	Not reported		
Federal ID:	Not reported	SWIS Code:	6101
MOSF Number:	Not reported		
SPDES Number:	Not reported	CAS Number:	7681529
Facility Type:	Municipality	ICS Number:	Not reported
Operator:	GUY PAPPACCENO		
Emrgncy Contact:	WATCH ENGINEER	Facility Town:	NEW YORK CITY
Certified Date:	01/02/2001	Emrgncy Phone:	(718) 935-1507
Owner type:	Local Government	Expiration Date:	11/21/2002
Owner Sub Type:	Not reported		
Mail Name:	NYCDEP BUREAU OF WASTEWATER TREATMENT		
Mail Contact:	THOMAS A PAKENIS - DEPUTY DIR 96-05 HORACE HARDING EXPRESSWAY 2ND FLOOR CORONA, NY 11368		
Mail Phone:	(718) 595-5134		
Tank Secret:	False		
Last Test:	Not reported	Date Entered:	11/21/2000 09:35:33
Pipe Flag:	False	Due Date:	Not reported
Renew Date:	Not reported	Owner Mark:	1
Is It There:	False	Date Expired:	Not reported
Owner Status:	F	Is Updated:	False

Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	False
Total Capacity of All Active Tanks(gal):	49200
Unique Tank Id Number:	4203
Date Pre-Printed Renewal App Form Was Last Printed:	/ /

RED HOOK WATER POLLUTION CONTROL PLANT (Continued) S104879106

CBS Number: 2-000369
Owner: NYC DEP BUREAU OF WASTEWATER POLLUTION CONTROL
96-05 HORACE HARDING EXPRESSWAY
CORONA, NY 11368
(718) 595-5050
Telephone: (718) 935-1507
Facility Status: Active
Total Tanks 8
Tank Status: In Service
Tank Error Status: No Missing Data
Tank Location: Aboveground
Install Date: Not reported
Capacity (Gal): 1000
Tank Type: Fiberglass reinforced plastic [FRP]
Substance: Single Hazardous Substance on DEC List
Extml Protection: None
Intml Protection: None
Tank Containment: None
Pipe Type: PLASTIC
Pipe Location: Aboveground
Pipe Internal: None
Pipe External: None
Pipe Containment: None
Leak Detection: None
Haz Percent: 15
Overfill Protection: Not reported
Chemical: Sodium hypochlorite
Tank Closed: Not reported
PBS Number: Not reported
Federal ID: Not reported
SWIS Code: 6101
MOSF Number: Not reported
SPDES Number: Not reported
CAS Number: 7681529
ICS Number: Not reported
Facility Type: Municipality
Operator: GUY PAPPACCENO
Emrgncy Contact: WATCH ENGINEER
Facility Town: NEW YORK CITY
Emrgncy Phone: (718) 935-1507
Certified Date: 01/02/2001
Expiration Date: 11/21/2002
Owner type: Local Government
Owner Sub Type: Not reported
Mail Name: NYCDEP BUREAU OF WASTEWATER TREATMENT
Mail Contact: THOMAS A PAKENIS - DEPUTY DIR
96-05 HORACE HARDING EXPRESSWAY
2ND FLOOR
CORONA, NY 11368
Mail Phone: (718) 595-5134
Tank Secret: False
Last Test: Not reported
Date Entered: 11/21/2000 09:38:41
Pipe Flag: False
Due Date: Not reported
Renew Date: Not reported
Owner Mark: 1
Is It There: False
Date Expired: Not reported
Owner Status: F
Is Updated: False
Certificate Needs to be Printed: False
Fiscal Amt for Registration Fee Correct: True
Renewal Has Been Printed for Facility: False
Total Capacity of All Active Tanks(gal): 49200
Unique Tank Id Number: 4200EO
Date Pre-Printed Renewal App Form Was Last Printed: / /

CBS Number: 2-000369
Owner: NYC DEP BUREAU OF WASTEWATER POLLUTION CONTROL
Telephone: (718) 935-1507

RED HOOK WATER POLLUTION CONTROL PLANT (Continued) S104879106

96-05 HORACE HARDING EXPRESSWAY
CORONA, NY 11368
(718) 595-5050

Facility Status:	Active		
Total Tanks	8		
Tank Status:	In Service		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	06/92		
Capacity (Gal):	6200		
Tank Type:	Fiberglass reinforced plastic [FRP]		
Substance:	Single Hazardous Substance on DEC List		
Extml Protection:	Fiberglass		
Intml Protection:	Glass Liner		
Tank Containment:	Double-Walled		
Pipe Type:	OTHER		
Pipe Internal:	Fiberglass Liner (FRP)	Pipe Location:	Aboveground
Pipe External:	Other		
Pipe Containment:	Other		
Leak Detection:	In-tank System	Haz Percent:	100
Overfill Protection:	Not reported		
Chemical:	Ferric chloride		
Tank Closed:	Not reported		
PBS Number:	Not reported		
Federal ID:	Not reported	SWIS Code:	6101
MOSF Number:	Not reported		
SPDES Number:	Not reported	CAS Number:	7705080
Facility Type:	Municipality	ICS Number:	Not reported
Operator:	GUY PAPPACCENO		
Emrgncy Contact:	WATCH ENGINEER	Facility Town:	NEW YORK CITY
Certified Date:	01/02/2001	Emrgncy Phone:	(718) 935-1507
Owner type:	Local Government	Expiration Date:	11/21/2002
Owner Sub Type:	Not reported		
Mail Name:	NYCDEP BUREAU OF WASTEWATER TREATMENT		
Mail Contact:	THOMAS A PAKENIS - DEPUTY DIR 96-05 HORACE HARDING EXPRESSWAY 2ND FLOOR CORONA, NY 11368		
Mail Phone:	(718) 595-5134		
Tank Secret:	False		
Last Test:	Not reported	Date Entered:	11/21/2000 09:39:28
Pipe Flag:	False	Due Date:	Not reported
Renew Date:	Not reported	Owner Mark:	1
Is It There:	False	Date Expired:	Not reported
Owner Status:	F	Is Updated:	False

Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	False
Total Capacity of All Active Tanks(gal):	49200
Unique Tank Id Number:	575000
Date Pre-Printed Renewal App Form Was Last Printed:	/ /

CBS Number: 2-000369
Owner: NYC DEP BUREAU OF WASTEWATER POLLUTION CONTROL
96-05 HORACE HARDING EXPRESSWAY
CORONA, NY 11368
(718) 595-5050
Telephone: (718) 935-1507

RED HOOK WATER POLLUTION CONTROL PLANT (Continued) S104879106

Facility Status: Active
Total Tanks 8
Tank Status: In Service
Tank Error Status: No Missing Data
Tank Location: Aboveground
Install Date: Not reported
Capacity (Gal): 12000
Tank Type: Fiberglass reinforced plastic [FRP]
Substance: Single Hazardous Substance on DEC List
Extml Protection: Fiberglass
Intml Protection: Glass Liner
Tank Containment: Diking
Pipe Type: PLASTIC
Pipe Internal: None
Pipe Location: Aboveground
Pipe External: None
Pipe Containment: None
Leak Detection: Vapor Well
Haz Percent: 15
Overfill Protection: Not reported
Chemical: Sodium hypochlorite
Tank Closed: Not reported
PBS Number: Not reported
Federal ID: Not reported
SWIS Code: 6101
MOSF Number: Not reported
SPDES Number: Not reported
CAS Number: 7681529
Facility Type: Municipality
ICS Number: Not reported
Operator: GUY PAPPACCENO
Emrgncy Contact: WATCH ENGINEER
Facility Town: NEW YORK CITY
Certified Date: 01/02/2001
Emrgncy Phone: (718) 935-1507
Owner type: Local Government
Expiration Date: 11/21/2002
Owner Sub Type: Not reported
Mail Name: NYCDEP BUREAU OF WASTEWATER TREATMENT
Mail Contact: THOMAS A PAKENIS - DEPUTY DIR
96-05 HORACE HARDING EXPRESSWAY
2ND FLOOR
CORONA, NY 11368
Mail Phone: (718) 595-5134
Tank Secret: False
Last Test: Not reported
Date Entered: 11/21/2000 09:40:49
Pipe Flag: False
Due Date: Not reported
Renew Date: Not reported
Owner Mark: 1
Is it There: False
Date Expired: Not reported
Owner Status: F
Is Updated: False
Certificate Needs to be Printed: False
Fiscal Amt for Registration Fee Correct: True
Renewal Has Been Printed for Facility: False
Total Capacity of All Active Tanks(gal): 49200
Unique Tank Id Number: 4202
Date Pre-Printed Renewal App Form Was Last Printed: / /

This is the most recent NY CBS AST data for this site.

Click this hyperlink while viewing on your computer to access 3 additional NY CBS AST record(s) in the EDR Site Report.

LTANKS:
Spill Number: 0306899
Tank Number: 1
Region of Spill: 2
Test Method: HORNER EZ CHECK
Tank Size : 1500
Leak Rate: 0.00

90 CARLTON AVE (Continued) S102663363

Date Spill Entered In Computer Data File: 07/25/97
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: FD 31 BATTALLION UNIT, 917 769-0431, WAS ON SCENE, SPOKE TO FIRE HAZMAT AT 2:00 PM SAID THAT CONSOLIDATE OIL CO- HAS TAKEN UP CLEAN-UP AND DISPO SAL RESPONSIBILITY.
Spill Cause: CALL FOM DEP-CONSOLIDATED REFUSING TO CLEAN UP A TANK OVERFILL FIRE DEP T ON SCENE PUT DOWN PADS AND ABSORBANT AND BARRELLED EXCESS

X100
SSE
1/4-1/2
2465 ft.

620 FULTON ST.
620 FULTON ST.
BROOKLYN, NY

LTANKS S100879265
N/A

Relative:
Higher

Site 1 of 2 in cluster X

Actual:
39 ft.

LTANKS:
Spill Number: 9313579
Spill Date: 02/18/1994 09:30
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: O'DOWD
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: RENDEL FORBES - OWNER
Spiller Address: Not reported
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False

Region of Spill: 2
Reported to Dept: 02/18/94 14:30
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Gas Station
Facility Tele: (718) 852-5212
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

620 FULTON ST. (Continued) S100879265

Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 02/22/94
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: SOIL FOUND IN TANK PULLS 13 TANKS HAVE BEEN PULLED - TO STOCK PILE SOIL

X101
SSE
1/4-1/2
2465 ft.

CITGO
620 FULTON ST.
BROOKLYN, NY

LTANKS S100167816
N/A

Site 2 of 2 in cluster X

Relative:
Higher

Actual:
39 ft.

LTANKS:
Spill Number: 8911007
Spill Date: 02/19/1990 18:15
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: SULLIVAN
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: CITGO
Spiller Address: Not reported

Region of Spill: 2
Reported to Dept: 02/19/90 20:40
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Gas Station
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

CITGO (Continued) S100167816

Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Fire Department PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 11/13/92
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 03/01/90
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: 02/19/90: TO RETEST.
Spill Cause: 6-550 S MANIFOLDED -.096GPH

W102
NE
1/4-1/2
2488 ft.

58-02 FLUSHING AVE/QUEENS
58-02 FLUSHING AVENUE
NEW YORK CITY, NY

LTANKS S105230168
N/A

Relative:
Lower

Site 3 of 3 in cluster W

Actual:
15 ft.

LTANKS:
Spill Number: 9005372
Spill Date: 08/14/1990 17:00
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: SULLIVAN
Caller Name: Not reported
Caller Phone: Not reported

Region of Spill: 2
Reported to Dept: 08/15/90 08:23
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Gas Station
Facility Tele: (718) 326-7265
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported

58-02 FLUSHING AVE/QUEENS (Continued) S105230168

Notifier Name: Not reported
Notifier Phone: Not reported
Notifier Agency: Not reported
PBS : Not reported
Notifier Extension: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
Cleanup Ceased: / /
PBS Number: Not reported
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 12/10/01
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 08/20/90
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: 8) 550 GAL TANKS FAILED AN AIR PRESSURE TEST WITH AN UNDETERMINED LEAK RATE, UNKNOWN ACTION.

Y103
West
1/4-1/2
2510 ft.

ADVANCED MANAGEMENT
26 COURT ST
BROOKLYN, NY

LTANKS S102672301
NY Spills N/A

Relative:
Higher

Actual:
67 ft.

Site 1 of 2 in cluster Y

SPILLS:
Spill Number: 0400897
Tank Number: Not reported
Test Method: Not reported
Spill Date: 04/27/04
ID: 39911
Region of Spill: 2
Tank Size : Not reported
Leak Rate: Not reported
Reported to Dept: / /

ADVANCED MANAGEMENT (Continued) S102672301

Date Call Received: 04/27/04
Region Close Date : / /
Material Spilled 1 #2 FUEL OIL — Amount Spilled 1 : 1200 Gal.
Spill Cause: ON LAND — Resource Affected: ON LAND
Water Affected: Not reported — Spill Source: PRIVATE DWELLING
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

LTANKS:
Spill Number: 9311635 — Region of Spill: 2
Spill Date: 12/30/1993 00:45 — Reported to Dept: 12/30/93 00:58
ID: Not reported — Date Call Received: Not reported
Material Spilled 1 : Not reported — Amount Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported — Spill Source: Other Commercial/Industrial
Facility Contact: Not reported — Facility Tele: (718) 979-4491
Investigator: SIGONA/ENGELHAD — SWIS: 61
Caller Name: Not reported — Caller Agency: Not reported
Caller Phone: Not reported — Caller Extension: Not reported
Notifier Name: Not reported — Notifier Agency: Not reported
Notifier Phone: Not reported — Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: Not reported — Spiller Phone: Not reported
Spiller: KC FUEL TRANSPORT.
Spiller Address: 430 CARROL ST.
BROOKLYN
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 12/30/93
Spill Notifier: Responsible Party — PBS Number: Not reported
Cleanup Ceased: 12/30/93
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 08/31/94
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 12/30/93
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 50

ADVANCED MANAGEMENT (Continued) S102672301

Units: Gallons
Unknown Qty Spilled: 50
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: Not reported
Spill Cause: OVERFILLED THE TANK IN PROCESS OF CLEANING UP WOTH SPEEDY DRY 917)269-6 129 BEEPER. ACCORDING TO SPILLER THE SITE IS CLEAN.

Z104
NE
1/4-1/2
2522 ft.

Relative:
Lower

Actual:
15 ft.

BROOKLYN NAVY YARD - NYC DEP
FLUSHING AVE AT CUMBERLAND
BROOKLYN, NY 11205

RCRA-SQG 1000446347
FINDS NYD986910685
VCP

Site 1 of 2 in cluster Z

RCRAInfo:
Owner: BROOKLYN NAVY YARD CORP
(212) 555-1212
EPA ID: NYD986910685
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ANNUAL REPORTING REQUIREMENTS
Date Violation Determined: 10/07/1996
Actual Date Achieved Compliance: 02/05/1997

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/07/1996
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 02/05/1997
Penalty Type: Proposed Monetary Penalty

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Proposed Monetary Penalty	2/5/1997	1200	STATE

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	GENERATOR-ANNUAL REPORTING REQUIREMENTS	19970205

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

BROOKLYN NAVY YARD - NYC DEP (Continued) 1000446347

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

NY VCP:
Facility ID : V00120
Region : 2

Z105 NE 1/4-1/2 2522 ft. **BROOKLYN NAVY YARD**
FLUSHING AV/CUMBERLAND ST
BROOKLYN, NY
LTANKS **S102233303**
N/A

Site 2 of 2 in cluster Z

Relative: Lower

Actual: 15 ft.

LTANKS:
Spill Number: 9516674
Region of Spill: 2
Spill Date: 03/26/1996 16:30
Reported to Dept: 03/26/96 19:02
ID: Not reported
Date Call Received: Not reported
Material Spilled 1 : Not reported
Amount Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Spill Source: Commercial Vehicle
Facility Contact: MARK KHAN
Facility Tele: (718) 852-1441
Investigator: TOMASELLO
SWIS: 61
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: MARK KHAN
Spiller Phone: (718) 852-1441
Spiller: KHAN TRUCKING
Spiller Address: BROOKLYN NAVY YARD
BROOKLYN, NY 11205
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 03/27/96
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 04/03/96
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 03/26/96
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

BROOKLYN NAVY YARD (Continued) S102233303

Material:
Material Class Type: 1
Quantity Spilled: 10
Units: Gallons
Unknown Qty Spilled: 10
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
DEC Remarks: Not reported
Spill Cause: tractor trailor hit a pot hole and ruptured tank clean up crew enroute

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Y106 West 1/4-1/2 2525 ft.
32 COURT STREET
32 COURT ST
BROOKLYN, NY
LTANKS S101509060 N/A

Relative: Higher
Actual: 66 ft.

Site 2 of 2 in cluster Y

LTANKS:
Spill Number: 9501294
Spill Date: 05/01/1995 09:00
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: MULQUEEN
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: UNKNOWN
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Fire Department
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 05/18/95
Date Region Sent Summary to Central Office: / /
Tank Test:

Region of Spill: 2
Reported to Dept: 05/01/95 11:15
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

32 COURT STREET (Continued) S101509060

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Gallons
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #6 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #6 FUEL OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 2190
DEC Remarks: Not reported
Spill Cause: TANK LEAKING - AST DIKED - CONTINOUS LEAK LOCATION

---

107 WSW 1/4-1/2 2624 ft. **LVINGSTON ASSOC.**
88 LIVINGSTON ST
BROOKLYN, NY

LTANKS S105997861
N/A

Relative: Higher

Actual: 58 ft.

LTANKS:

Spill Number: 0210205
Tank Number: 1
Test Method: HORNER EZ CHECK
Spill Date: 01/09/03
ID: 17348
Material Spilled 1 #2 FUEL OIL
Region Close Dt : 11/12/03
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported

Region of Spill: 2
Tank Size : 2500
Leak Rate: 0.00
Reported to Dept: / /
Date Call Received:01/09/03
Amount Spilled 1 : 0 Gal.

Spill Source: OTHER COMM/INDUSTRIAL

Spill Number: 0210205
Tank Number: 1
Test Method: HORNER EZ CHECK
Spill Date: 01/09/03
ID: 17349
Material Spilled 1 #2 FUEL OIL
Region Close Dt : 11/12/03
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported

Region of Spill: 2
Tank Size : 2500
Leak Rate: 0.00
Reported to Dept: / /
Date Call Received:01/09/03
Amount Spilled 1 : 0 Gal.

Spill Source: OTHER COMM/INDUSTRIAL

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
AA108 North 1/2-1 3227 ft. Relative: Higher Actual: 39 ft.	BROOKLYN GAS LIGHT CO. 220 FRONT ST. BROOKLYN, NY 11201 Site 1 of 2 in cluster AA COAL GAS SITE DESCRIPTION: Site is on the corner of Front St. and Gold St. (C12) ©Copyright 1993 Real Property Scan, Inc.	Coal Gas	G000000387 N/A
AA109 North 1/2-1 3227 ft. Relative: Higher Actual: 39 ft.	BROOKLYN UNION GAS LIGHT CO. 220 FRONT ST. BROOKLYN, NY 11201 Site 2 of 2 in cluster AA COAL GAS SITE DESCRIPTION: Site is a gas holder. Site is between Front St. and York St., and between Bridge St. and Gold St. (C12) ©Copyright 1993 Real Property Scan, Inc.	Coal Gas	G000000396 N/A
110 ENE 1/2-1 3235 ft. Relative: Lower Actual: 30 ft.	NAVY BARRACKS BKLYN BROOKLYN, NY FUDS: Federal Facility ID: NY9799F7852 Facility Name: NAVY BARRACKS BKLYN City: BROOKLYN State: NY EPA Region: 2 County: KINGS Congressional District: 10 US Army District: New York District (NAN) Fiscal Year: 2003 First Name: GREGORY Last name: GOEPFERT Phone: 212-264-9113 Inst ID: 56453 CTC: Not reported RAB: Not reported	FUDS	1007211607 N/A
111 North 1/2-1 3723 ft. Relative: Lower Actual: 23 ft.	BROOKLYN GAS LIGHT CO. 274 PLYMOUTH ST. BROOKLYN, NY 11201 COAL GAS SITE DESCRIPTION: Site is a Gas Holder. (C12) ©Copyright 1993 Real Property Scan, Inc.	Coal Gas	G000000388 N/A

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
112 NNW 1/2-1 4030 ft.	NATIONAL LEAD CO. 80 JOHN ST. BROOKLYN, NY 11201	Coal Gas	G000000393 N/A

Relative: Lower

Actual: 10 ft.

COAL GAS SITE DESCRIPTION:
Site is on the northern side of John St. between Hudson Ave. and Gold St. Site continues north to the East River. (C12)

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113 SSW 1/2-1 5104 ft.	FULTON MUNICIPAL GAS CO. 263 NEVINS ST. BROOKLYN, NY 11217	Coal Gas	G000000435 N/A

Relative: Lower

Actual: 8 ft.

COAL GAS SITE DESCRIPTION:
Site is on the western half of two blocks on Nevins St. between Douglass St. and Sackett St. Site includes the block between Sackett St. and Degraw St. west of Nevins St., ending at the Gowanus Canal. Site later called Brooklyn Union Gas Co. (C13) Site is a CERCLIS Site I.D. #NYD980531982. CERCLIS address is poor.

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City	EDR ID	Site Name	Site Address	Zip	Database(s)
BROOKLYN	S103484621	ON THE BQE E/B	BTWN FLUSHING/TILLARY ST		NY Spills
BROOKLYN	1000323245	EMANUEL CELLLARD FEDERAL BUILDING	225 CADMAN PLZ	11201	RCRA-SQG, FINDS, CERC-NFRAP
BROOKLYN	S104787288	4TH AVE	CAROL ST		NY Spills
BROOKLYN	S106123970	INTERSECTION OF SHORE RD	CONEY ISLAND AVE BRIDGE		LTANKS
BROOKLYN	S104510171	BETWEEN AVE S & FIRST CT	COONEY ISLAND AV		NY Spills
BROOKLYN	1004762551	NYCT - DEKALB AVE STATION D LINE	COR OF DEKALB AVE &	11201	RCRA-SQG, FINDS
BROOKLYN	S104192448	MANHOLE 4707	SW COR PARK/RALPH AVE		NY Spills
BROOKLYN	S103939048	MANHOLE #580	NE COR PARK AVE/N ELIOTT		NY Spills
BROOKLYN	1007205503	BELL ATLANTIC-NY	DUFFIELD ST/FULTON ST		RCRA-SQG
BROOKLYN	S105140941	EUCLID AVE AND	DUMONT STREET		NY Spills
BROOKLYN	1007205158	NEW YORK TELEPHONE	FLATBUSH & 36	11201	RCRA-SQG
BROOKLYN	1007205247	NYNEX-MANHOLE	FLATBUSH & NEWKIRK AVE		RCRA-SQG
BROOKLYN	1004762203	NYCTA-FULTON ST. / BRIDGE ST. STOR	FULTON & BRIDGE ST CORNER	11201	FINDS, RCRA-LQG
BROOKLYN	S102143030	GERRITSON & AVE U/TEXACO	GERRITSON / AVE U/TEXACO		NY Spills
BROOKLYN	1007206707	CON ED - MH 691	E/S GOLD ST 250' S/O YORK ST	11201	RCRA-SQG
BROOKLYN	S106017383	BETWEEN PLYMOUTH & HUDSON	ON GOLD ST		NY Spills
BROOKLYN	S103574828	NASSAU ST	GOLD ST		NY Spills
BROOKLYN	1007205229	NYNEX-MANHOLE	JOHNSON & BUSHWICK AVES	11201	RCRA-SQG
BROOKLYN	S104880717	MANHOLE #1947	JOHNSON DRIVE/NAVY ST		NY Spills
BROOKLYN	S105586296	BROOKLYN NAVY YARD - 13 ACRE PARCE	KENT AVENUE	11205	SHWS
BROOKLYN	1007206483	CON ED-MH 1971	S/S MYRTLE AVE	11205	RCRA-SQG
BROOKLYN	S106435373	MODE/MODERN AGE CLEANERS INC.	409 MYRTLE AVAENUE	11205	DRYCLEANERS
BROOKLYN	1007206161	CON ED - MH 1950	N/S MYRTLE AVE 180' W/O	11201	RCRA-SQG
BROOKLYN	S104952819	MANHOLE 02117	MYRTLE AV/SKILLAMN ST		NY Spills
BROOKLYN	S105056976	MANHOLE 1930	MYRTLE AVE/FLAT BUSH EXT		NY Spills
BROOKLYN	S102560407	4 CHASE METROTEK CENTER	MYRTLE/GOLD STS		NY Spills
BROOKLYN	S104652603	PLUM BEACH/JAMACIA BAY	NAP ST/FLATBUSH		NY Spills
BROOKLYN	1007205257	CON ED - MH 60360	W/S NAVY ST 68 N/O SANDS ST	11205	RCRA-SQG
BROOKLYN	1007206297	CON ED - MH 60385	E/S NAVY ST	11205	RCRA-SQG
BROOKLYN	1001224574	NYSDOT REGION 2 BROOKLYN QUEENS EX	NAVY ST AT BROOKLYN QUEENS EXP	11201	RCRA-SQG, FINDS
BROOKLYN	1007206087	CON ED-MH 1947	NAVY ST & JOHNSON	11201	RCRA-SQG
BROOKLYN	1007206529	CON ED - NAVY ST & WILLOUGHBY ST	NAVY ST & WILLOUGHBY ST	11201	RCRA-SQG
BROOKLYN	S102147197	NAVY YARD - DECK #4	NAVY YARD - DECK #4		NY Spills
BROOKLYN	S106007405	MANHOLE #723	NAVY ST / SAND ST		NY Spills
NEW YORK CITY	1007207361	MH1952	S/S MYRTLE AVE. 210' W/O ASHLA	11201	RCRA-SQG
NEW YORK CITY	1007207464	MH1957	MYRTLE AVE E/O ASHLAND PL.	11201	RCRA-SQG
NEW YORK CITY	1007207124	M639	N/W/C SANDS STREET AND NAVY ST	11205	RCRA-SQG
NEW YORK CITY	1007207416	MH639	NAVY ST. AND SANDS	11205	RCRA-SQG
NEW YORK CITY	1007207095	MH60182	N/S PARK AVENUE 32' E/O NAVY S	11205	RCRA-SQG
NEW YORK CITY	1007207267	M801	S/S PARK AVENUE 45' W/O TAFFEE	11205	RCRA-SQG
NEW YORK CITY	1007207143	MH60507	S/E/C CONCORD STREET AND GOLD	11205	RCRA-SQG
NEW YORK CITY	1007207320	TM2470	YORK ST. AND HUDSON AVE	11205	RCRA-SQG

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D019	CARBON TETRACHLORIDE
D022	CHLOROFORM
LABP	LAB PACK
P098	POTASSIUM CYANIDE
P098	POTASSIUM CYANIDE K(CN)
P105	SODIUM AZIDE
P108	STRYCHNIDIN-10-ONE, & SALTS
P108	STRYCHNINE, & SALTS
U103	DIMETHYL SULFATE
U103	SULFURIC ACID, DIMETHYL ESTER

EPA Waste Codes Addendum

Code	Description
U122	FORMALDEHYDE
U188	PHENOL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List
Source: EPA
Telephone: N/A
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/12/04
Date Made Active at EDR: 12/09/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/02/04
Elapsed ASTM days: 37
Date of Last EDR Contact: 11/02/04

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 6
Telephone: 214-655-6659

EPA Region 8
Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: N/A

Date of Government Version: 09/23/04
Date Made Active at EDR: 12/09/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/02/04
Elapsed ASTM days: 37
Date of Last EDR Contact: 11/02/04

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 08/10/04
Date Made Active at EDR: 10/27/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/21/04
Elapsed ASTM days: 36
Date of Last EDR Contact: 09/21/04

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 08/10/04
Date Made Active at EDR: 10/27/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/21/04
Elapsed ASTM days: 36
Date of Last EDR Contact: 09/21/04

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/23/04
Date Made Active at EDR: 11/18/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 10/07/04
Elapsed ASTM days: 42
Date of Last EDR Contact: 12/07/04

RCRA: Resource Conservation and Recovery Act Information
Source: EPA
Telephone: 800-424-9346
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 08/10/04
Date Made Active at EDR: 10/11/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 08/24/04
Elapsed ASTM days: 48
Date of Last EDR Contact: 11/24/04

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/26/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 10/25/04

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 09/20/04
Date of Next Scheduled EDR Contact: 12/13/04

CONSENT: Superfund (CERCLA) Consent Decrees
Source: Department of Justice, Consent Decree Library
Telephone: Varies
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/05/04
Database Release Frequency: Varies

Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

ROD: Records Of Decision
Source: EPA
Telephone: 703-416-0223
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/09/04
Database Release Frequency: Annually

Date of Last EDR Contact: 10/06/04
Date of Next Scheduled EDR Contact: 01/03/05

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: N/A
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/12/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/02/04
Date of Next Scheduled EDR Contact: 01/31/05

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: N/A
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 09/09/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/08/04
Date of Next Scheduled EDR Contact: 01/03/05

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/08/04
Database Release Frequency: Annually

Date of Last EDR Contact: 10/28/04
Date of Next Scheduled EDR Contact: 01/17/05

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/15/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/04/04
Date of Next Scheduled EDR Contact: 01/03/05

MINES: Mines Master Index File
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 09/13/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/28/04
Date of Next Scheduled EDR Contact: 12/27/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 202-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 11/22/04
Date of Next Scheduled EDR Contact: 02/21/05

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-564-3887
PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/29/04
Database Release Frequency: Annually
Date of Last EDR Contact: 11/12/04
Date of Next Scheduled EDR Contact: 02/07/05

DOD: Department of Defense Sites
Source: USGS
Telephone: 703-692-8801
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 11/12/04
Date of Next Scheduled EDR Contact: 02/07/05

UMTRA: Uranium Mill Tailings Sites
Source: Department of Energy
Telephone: 505-845-0011
Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 04/22/04
Database Release Frequency: Varies
Date of Last EDR Contact: 09/20/04
Date of Next Scheduled EDR Contact: 12/20/04

ODI: Open Dump Inventory
Source: Environmental Protection Agency
Telephone: 800-424-9346
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/85
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 05/23/95
Date of Next Scheduled EDR Contact: N/A

FUDS: Formerly Used Defense Sites
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/03
Database Release Frequency: Varies
Date of Last EDR Contact: 10/04/04
Date of Next Scheduled EDR Contact: 01/03/05

INDIAN RESERV: Indian Reservations
Source: USGS
Telephone: 202-208-3710
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/12/04
Date of Next Scheduled EDR Contact: 02/07/05

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/06/04
Date of Next Scheduled EDR Contact: 03/07/05

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 09/20/04
Date of Next Scheduled EDR Contact: 12/20/04

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 12/06/04
Date of Next Scheduled EDR Contact: 03/07/05

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-564-2501

Date of Government Version: 04/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/20/04

SSTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-5008
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 10/18/04
Date of Next Scheduled EDR Contact: 01/17/05

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 09/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/20/04

STATE OF NEW YORK ASTM STANDARD RECORDS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State
Source: Department of Environmental Conservation
Telephone: 518-402-9553
State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 04/01/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 02/27/04
Elapsed ASTM days: 14
Date of Last EDR Contact: 11/23/04

SWF/LF: Facility Register
Source: Department of Environmental Conservation
Telephone: 518-457-2051
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/01/04
Date Made Active at EDR: 11/29/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/01/04
Elapsed ASTM days: 28
Date of Last EDR Contact: 11/01/04

LTANKS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 07/26/04
Date Made Active at EDR: 08/26/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 08/04/04
Elapsed ASTM days: 22
Date of Last EDR Contact: 10/25/04

UST: Petroleum Bulk Storage (PBS) Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 01/01/02
Date Made Active at EDR: 03/22/02
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/20/02
Elapsed ASTM days: 30
Date of Last EDR Contact: 10/25/04

CBS UST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/02
Date Made Active at EDR: 03/22/02
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/20/02
Elapsed ASTM days: 30
Date of Last EDR Contact: 10/25/04

MOSF UST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/02
Date Made Active at EDR: 03/22/02
Database Release Frequency: Varies

Date of Data Arrival at EDR: 02/20/02
Elapsed ASTM days: 30
Date of Last EDR Contact: 10/25/04

VCP: Voluntary Cleanup Agreements
Source: Department of Environmental Conservation
Telephone: 518-402-9711
The voluntary remedial program uses private monies to get contaminated sites r emediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

Date of Government Version: 06/29/04
Date Made Active at EDR: 08/16/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/29/04
Elapsed ASTM days: 48
Date of Last EDR Contact: 09/27/04

SWRCY: Registered Recycling Facility List
Source: Department of Environmental Conservation
Telephone: 518-402-8705
A listing of recycling facilities.

Date of Government Version: 11/15/04
Date Made Active at EDR: 12/15/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/15/04
Elapsed ASTM days: 30
Date of Last EDR Contact: 11/15/04

SWTIRE: Registered Waste Tire Storage & Facility List
Source: Department of Environmental Conservation
Telephone: 518-402-8694

Date of Government Version: 04/01/04
Date Made Active at EDR: 06/25/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 05/19/04
Elapsed ASTM days: 37
Date of Last EDR Contact: 11/18/04

STATE OF NEW YORK ASTM SUPPLEMENTAL RECORDS

HSWDS: Hazardous Substance Waste Disposal Site Inventory
Source: Department of Environmental Conservation
Telephone: 518-402-9564
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 09/01/02
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/29/04
Date of Next Scheduled EDR Contact: 02/28/05

AST: Petroleum Bulk Storage
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Registered Aboveground Storage Tanks.

Date of Government Version: 01/01/02
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

CBS AST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/02
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

MOSF AST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/02
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

SPILLS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 07/26/04
Database Release Frequency: Varies

Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

DEL SHWS: Delisted Registry Sites
Source: Department of Environmental Conservation
Telephone: 518-402-9553
A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 04/01/04
Database Release Frequency: Annually

Date of Last EDR Contact: 11/23/04
Date of Next Scheduled EDR Contact: 02/21/05

DRYCLEANERS: Registered Drycleaners
Source: Department of Environmental Conservation
Telephone: 518-402-8403
A listing of all registered drycleaning facilities.

Date of Government Version: 06/15/04
Database Release Frequency: Varies

Date of Last EDR Contact: 05/21/04
Date of Next Scheduled EDR Contact: N/A

SPDES: State Pollutant Discharge Elimination System
Source: Department of Environmental Conservation
Telephone: 518-402-8233
New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 09/23/04
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/10/04
Date of Next Scheduled EDR Contact: 02/07/05

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AIRS: Air Emissions Data
Source: Department of Environmental Conservation
Telephone: 518-402-8452

Date of Government Version: 12/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 12/06/04
Date of Next Scheduled EDR Contact: 02/21/05

LOCAL RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing
Source: Cortland County Health Department
Telephone: 607-753-5035

Date of Government Version: 10/07/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/29/04
Date of Next Scheduled EDR Contact: 02/28/05

Cortland County Storage Tank Listing
Source: Cortland County Health Department
Telephone: 607-753-5035

Date of Government Version: 10/07/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/29/04
Date of Next Scheduled EDR Contact: 02/28/05

NASSAU COUNTY:

Registered Tank Database
Source: Nassau County Health Department
Telephone: 516-571-3314

Date of Government Version: 05/21/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/01/04
Date of Next Scheduled EDR Contact: 01/31/05

Registered Tank Database
Source: Nassau County Health Department
Telephone: 516-571-3314

Date of Government Version: 05/21/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/01/04
Date of Next Scheduled EDR Contact: 01/31/05

Storage Tank Database
Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000

Date of Government Version: 05/25/04
Database Release Frequency: Varies

Date of Last EDR Contact: 11/08/04
Date of Next Scheduled EDR Contact: 02/07/05

Storage Tank Database
Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000

Date of Government Version: 05/25/04
Database Release Frequency: Varies

Date of Last EDR Contact: 11/08/04
Date of Next Scheduled EDR Contact: 02/07/05

ROCKLAND COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Petroleum Bulk Storage Database
Source: Rockland County Health Department
Telephone: 914-364-2605

Date of Government Version: 10/27/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/04/04
Date of Next Scheduled EDR Contact: 01/03/05

Petroleum Bulk Storage Database
Source: Rockland County Health Department
Telephone: 914-364-2605

Date of Government Version: 10/27/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/04/04
Date of Next Scheduled EDR Contact: 01/03/05

SUFFOLK COUNTY:

Storage Tank Database
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521

Date of Government Version: 04/16/04
Database Release Frequency: Annually

Date of Last EDR Contact: 11/29/04
Date of Next Scheduled EDR Contact: 02/28/05

Storage Tank Database
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521

Date of Government Version: 04/16/04
Database Release Frequency: Annually

Date of Last EDR Contact: 11/29/04
Date of Next Scheduled EDR Contact: 02/28/05

WESTCHESTER COUNTY:

Listing of Storage Tanks
Source: Westchester County Department of Health
Telephone: 914-813-5161
Listing of underground storage tanks in Westchester County.

Date of Government Version: 08/16/04
Database Release Frequency: Varies

Date of Last EDR Contact: 10/13/04
Date of Next Scheduled EDR Contact: 02/28/05

Listing of Storage Tanks
Source: Westchester County Department of Health
Telephone: 914-813-5161
Listing of aboveground storage tanks in Westchester County.

Date of Government Version: 08/16/04
Database Release Frequency: Varies

Date of Last EDR Contact: 10/13/04
Date of Next Scheduled EDR Contact: 02/28/05

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS DATABASES

Brownfields: Brownfields Site List
Source: Department of Environmental Conservation
Telephone: 518-402-9764

Date of Government Version: 06/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/27/04
Date of Next Scheduled EDR Contact: 12/13/04

VCP: Voluntary Cleanup Agreements
Source: Department of Environmental Conservation
Telephone: 518-402-9711
The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

Date of Government Version: 06/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/27/04
Date of Next Scheduled EDR Contact: 12/13/04

US BROWNFIELDS: A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

New York State Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961
Coverages are based on official New York State Freshwater Wetlands Maps as described in Article 24-0301 of the Environmental Conservation Law.

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

180 MYRTLE AVE
180 MYRTLE AVE
BROOKLYN, NY 11201

TARGET PROPERTY COORDINATES

Latitude (North):	40.693581 - 40' 41' 36.9"
Longitude (West):	73.981773 - 73' 58' 54.4"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	586033.1
UTM Y (Meters):	4505029.5
Elevation:	31 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

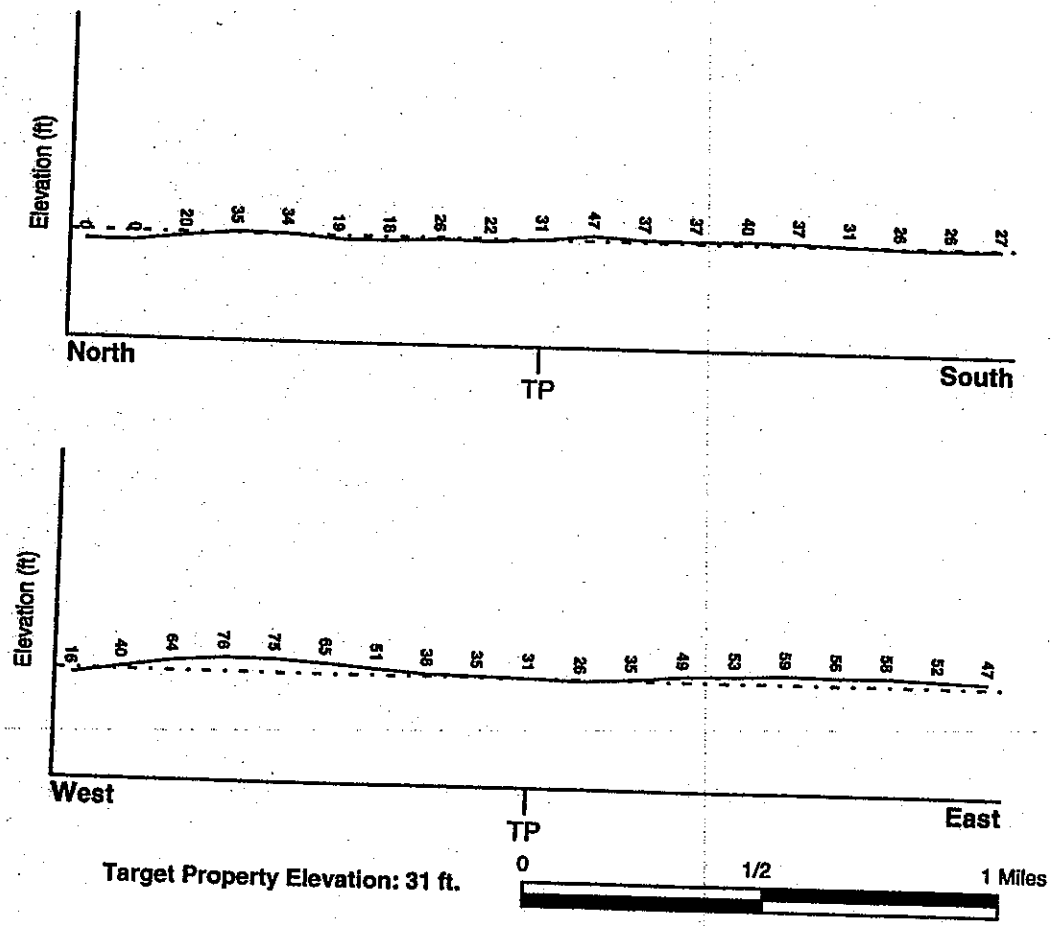
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map:	40073-F8 BROOKLYN, NY
General Topographic Gradient:	General NNE
Source:	USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 31 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
KINGS, NY	Not Available

Flood Plain Panel at Target Property:	3604970063B
Additional Panels in search area:	3604970055B

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BROOKLYN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile ENE
Site Name:	Naval Station Ny
Site EPA ID Number:	NY5170022250
Groundwater Flow Direction:	NOT AVAILABLE.
Measured Depth to Water:	14 feet in a well located 1 mile southeast of the site.
Hydraulic Connection:	Information is not available about the hydraulic connection between the surficial aquifer (upper glacial till) and underlying aquifer(s). Bedrock is present at an estimated depth of 100 feet.
Sole Source Aquifer:	A sole source aquifer is persent at or near the site
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

*©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Mesozoic
System:	Cretaceous
Series:	Upper Cretaceous
Code:	uK *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

Soil Layer Information

	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:	loamy sand silt loam sandy loam fine sandy loam
Surficial Soil Types:	loamy sand silt loam sandy loam fine sandy loam
Shallow Soil Types:	sandy loam
Deeper Soil Types:	very gravelly - loamy sand unweathered bedrock stratified sandy loam

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS0761186	0 - 1/8 Mile West
2	USGS0761196	1/8 - 1/4 Mile NNE
A3	USGS0761118	1/8 - 1/4 Mile SSW
4	USGS0761184	1/8 - 1/4 Mile East
A5	USGS0761116	1/8 - 1/4 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
6	USGS0761194	1/8 - 1/4 Mile NW
7	USGS0761180	1/4 - 1/2 Mile ESE
B8	USGS0761113	1/4 - 1/2 Mile South
B9	USGS0761112	1/4 - 1/2 Mile South
10	USGS0761185	1/4 - 1/2 Mile West
C11	USGS0761111	1/4 - 1/2 Mile South
12	USGS0761219	1/4 - 1/2 Mile NW
C13	USGS0761110	1/4 - 1/2 Mile South
14	USGS0761179	1/4 - 1/2 Mile SW
15	USGS0761122	1/4 - 1/2 Mile WNW
B16	USGS0761178	1/4 - 1/2 Mile South
17	USGS0761177	1/4 - 1/2 Mile SSE
18	USGS0761176	1/4 - 1/2 Mile South
19	USGS0761193	1/4 - 1/2 Mile ENE
20	USGS0761224	1/4 - 1/2 Mile NNW
22	USGS0761188	1/4 - 1/2 Mile East
23	USGS0761173	1/2 - 1 Mile SSE
24	USGS0761171	1/2 - 1 Mile South
25	USGS0761233	1/2 - 1 Mile NNW
D26	USGS0761170	1/2 - 1 Mile SSW
D27	USGS0761169	1/2 - 1 Mile SSW
28	USGS0761108	1/2 - 1 Mile SSE
29	USGS0761238	1/2 - 1 Mile NNW
30	USGS0761221	1/2 - 1 Mile WNW
31	USGS0761183	1/2 - 1 Mile East
E32	USGS0761107	1/2 - 1 Mile SSW
33	USGS0761220	1/2 - 1 Mile ENE
F34	USGS0761121	1/2 - 1 Mile East
E35	USGS0761105	1/2 - 1 Mile SSW
F36	USGS0761189	1/2 - 1 Mile ENE
F37	USGS0761129	1/2 - 1 Mile ENE
38	USGS0761222	1/2 - 1 Mile WNW
G39	USGS0761192	1/2 - 1 Mile ENE
H40	USGS0761165	1/2 - 1 Mile SSE
G41	USGS0761125	1/2 - 1 Mile ENE
42	USGS0761166	1/2 - 1 Mile South
43	USGS0761117	1/2 - 1 Mile WSW
44	USGS0761307	1/2 - 1 Mile NNW
G45	USGS0761191	1/2 - 1 Mile ENE
G46	USGS0761218	1/2 - 1 Mile ENE
G47	USGS0761195	1/2 - 1 Mile ENE
H48	USGS0761161	1/2 - 1 Mile SSE
49	USGS0761104	1/2 - 1 Mile SW
50	USGS0761308	1/2 - 1 Mile NNW
I51	USGS0761123	1/2 - 1 Mile East
I52	USGS0761124	1/2 - 1 Mile East
I53	USGS0761128	1/2 - 1 Mile ENE
54	USGS0761244	1/2 - 1 Mile NW
55	USGS0761099	1/2 - 1 Mile SSE
56	USGS0761306	1/2 - 1 Mile NE
57	USGS0761101	1/2 - 1 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
21	NY0003335	1/4 - 1/2 Mile WNW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 01327082.1r

0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- (GI) Indeterminate Groundwater Flow at Location
- (GV) Groundwater Flow Varies at Location
- (HD) Closest Hydrogeological Data

TARGET PROPERTY:	180 Myrtle Ave	CUSTOMER:	American Env. Solutions
ADDRESS:	180 Myrtle Ave	CONTACT:	Brian Pendergast
CITY/STATE/ZIP:	Brooklyn NY 11201	INQUIRY #:	01327082.1r
LAT/LONG:	40.6936 / 73.9818	DATE:	December 15, 2004 3:19 pm

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GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 West 0 - 1/8 Mile Higher		FED USGS	USGS0761186

Agency:	USGS	Site ID:	404136073590201
Site Name:	K 730. 1		
Dec. Latitude:	40.69344		
Dec. Longitude:	-73.98347		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	36.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	134.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

2 NNE 1/8 - 1/4 Mile Lower		FED USGS	USGS0761196

Agency:	USGS	Site ID:	404148073585201
Site Name:	K 15. 1		
Dec. Latitude:	40.69677		
Dec. Longitude:	-73.98069		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	15.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	114.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

A3 SSW 1/8 - 1/4 Mile Higher		FED USGS	USGS0761118

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	404125073590001
Site Name:	K 1347. 1		
Dec. Latitude:	40.69038		
Dec. Longitude:	-73.98292		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	40.3		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112GLCLU		
Aquifer type:	Not Reported		
Well depth:	71.		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 344

Date	Feet below Surface	Feet to Sealevel
1977-03-28		3.51
1976-06-28		3.03
1975-12-16		4.05
1975-06-30		3.84
1974-12-20		3.50
1974-06-26		2.38
1974-01-09		3.85
1973-07-09		2.88
1972-12-27		2.51
1972-07-10		2.70
1972-01-13		2.98
1971-08-08		2.83
1970-03-13		-2.83
1969-09-03		0.95
1968-04-23		-0.94
1967-03-29		1.05
1966-05-04		0.33
1965-09-14		-1.10
1964-10-30		-0.90
1963-04-26		-0.01
1961-12-28		-0.65
1960-09-15		-3.32
1956-12-20		-2.98
1954-10-27		-4.43
1954-05-27		-4.97
1954-03-30		-4.04
1954-01-28		-4.49
1953-12-02		-4.99
1953-10-02		-7.22
1953-08-03		-5.21
1953-05-25		-6.04
1953-03-25		-5.25
1953-02-11		-6.17
1952-12-05		-7.56
1952-09-22		-10.32
1952-07-23		-10.82
1976-10-05		3.32
1976-03-23		4.40
1975-10-07		3.47
1975-03-26		3.54
1974-09-05		2.74
1974-03-19		4.70
1973-09-25		2.08
1973-04-03		2.72
1972-09-29		2.02
1972-03-28		3.30
1971-09-27		2.76
1970-10-30		-2.06
1969-11-10		1.19
1969-04-22		1.74
1967-10-20		0.80
1966-10-25		0.11
1965-10-27		-0.48
1965-05-04		0.87
1964-04-23		-0.46
1962-04-26		0.83
1961-01-05		-0.38
1959-03-16		-1.20
1956-02-13		-3.28
1954-06-29		-6.16
1954-04-28		-4.27
1954-02-25		-4.11
1953-12-23		-4.83
1953-10-28		-5.71
1953-08-28		-4.81
1953-06-24		-6.16
1953-04-27		-4.73
1953-02-27		-5.78
1952-12-23		-7.17
1952-11-03		-8.40
1952-08-25		-10.77
1952-06-24		-10.67

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1952-05-27		-10.26
1952-03-24		-11.81
1952-01-29		-12.93
1951-11-28		-13.76
1951-09-27		-16.72
1951-07-26		-16.27
1951-05-29		-15.55
1951-03-27		-15.39
1951-01-30		-16.70
1950-11-28		-16.71
1950-09-27		-18.17
1950-07-27		-18.82
1950-06-05		-16.10
1950-03-29		-16.41
1950-01-26		-17.23
1949-11-28		-17.07
1949-09-28		-18.49
1949-07-28		-19.52
1949-06-01		-17.62
1949-04-04		-17.58
1949-01-26		-18.78
1948-12-14		-19.15
1948-10-04		-20.82
1948-07-26		-20.91
1948-06-02		-20.66
1948-03-26		-21.12
1948-02-03		-21.77
1947-12-16		-21.85
1947-11-19		-21.93
1947-10-14		-22.21
1947-09-30		-23.25
1947-08-27		-23.62
1947-07-30		-23.73
1947-07-16		-23.68
1947-07-02		-22.50
1947-06-30		-21.43
1947-06-20		-21.95
1947-06-06		-21.54
1947-05-23		-21.11
1947-05-10		-21.32
1947-04-26		-21.21
1947-04-12		-21.41
1947-03-29		-21.57
1947-03-15		-21.67
1947-03-01		-21.78
1947-02-15		-21.85
1947-02-01		-21.91
1947-01-18		-21.94
1947-01-04		-22.03
1946-12-21		-21.93
1946-12-07		-21.73
1946-11-23		-21.86
1946-11-09		-21.97
1946-10-26		-22.13
1946-10-12		-22.50

Date	Feet below Surface	Feet to Sealevel
1952-04-29		-10.64
1952-02-20		-12.57
1951-12-20		-13.71
1951-11-02		-14.24
1951-08-28		-17.51
1951-06-28		-16.09
1951-05-02		-14.47
1951-02-27		-16.08
1950-12-20		-17.07
1950-10-31		-17.18
1950-08-29		-19.58
1950-06-29		-17.48
1950-04-27		-15.42
1950-03-01		-16.92
1949-12-28		-17.27
1949-10-31		-17.65
1949-08-31		-19.80
1949-07-01		-17.80
1949-04-28		-16.76
1949-02-21		-18.35
1948-12-28		-19.12
1948-11-04		-19.58
1948-08-30		-22.10
1948-06-30		-21.66
1948-04-27		-20.64
1948-03-02		-21.45
1948-01-07		-21.93
1947-11-26		-21.97
1947-10-31		-22.00
1947-10-07		-22.35
1947-09-15		-23.13
1947-08-13		-23.62
1947-07-23		-23.26
1947-07-07		-22.48
1947-07-01		-23.24
1947-06-24		-22.02
1947-06-13		-22.27
1947-05-29		-22.27
1947-05-17		-21.21
1947-05-03		-21.23
1947-04-19		-21.27
1947-04-05		-21.59
1947-03-22		-21.63
1947-03-08		-21.70
1947-02-22		-21.62
1947-02-08		-21.86
1947-01-25		-21.95
1947-01-11		-21.97
1946-12-28		-21.98
1946-12-14		-21.80
1946-11-30		-21.78
1946-11-16		-21.93
1946-11-02		-22.10
1946-10-19		-22.35
1946-10-05		-22.80

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1946-09-30		-23.25
1946-09-16		-23.05
1946-08-19		-21.61
1946-07-08		-23.26
1946-05-27		-21.97
1946-05-13		-20.68
1946-04-29		-20.56
1946-04-15		-20.45
1946-04-01		-20.38
1946-03-18		-19.58
1946-03-04		-20.80
1946-02-18		-20.98
1946-02-04		-21.23
1946-01-21		-21.43
1946-01-07		-21.72
1945-12-24		-21.92
1945-12-10		-22.04
1945-11-26		-22.30
1945-11-12		-22.40
1945-10-29		-22.53
1945-10-15		-22.92
1945-10-01		-23.37
1945-09-17		-23.54
1945-09-04		-23.99
1945-08-20		-23.77
1945-08-06		-23.40
1945-07-23		-23.03
1945-07-07		-22.41
1945-06-23		-21.92
1945-06-09		-20.67
1945-05-26		-20.31
1945-05-12		-20.47
1945-04-28		-20.29
1945-04-14		-20.27
1945-03-31		-20.28
1945-03-17		-20.41
1945-03-03		-20.53
1945-02-19		-20.65
1945-02-03		-20.83
1945-01-20		-21.05
1945-01-06		-21.31
1944-12-23		-21.53
1944-12-09		-21.72
1944-11-25		-21.85
1944-11-11		-22.00
1944-10-28		-22.20
1944-10-14		-22.19
1944-09-30		-22.43
1944-09-16		-23.51
1944-09-02		-23.55
1944-08-19		-23.36
1944-08-05		-23.07
1944-07-22		-23.10
1944-07-01		-22.18
1944-06-17		-21.84

Date	Feet below Surface	Feet to Sealevel
1946-09-23		-23.95
1946-08-30		-23.18
1946-07-30		-21.70
1946-06-10		-21.53
1946-05-20		-20.47
1946-05-06		-20.56
1946-04-22		-20.45
1946-04-08		-20.33
1946-03-25		-20.51
1946-03-11		-20.75
1946-02-25		-20.87
1946-02-11		-21.12
1946-01-28		-21.33
1946-01-14		-21.58
1945-12-31		-21.80
1945-12-17		-22.02
1945-12-03		-22.16
1945-11-19		-22.37
1945-11-05		-22.43
1945-10-22		-22.60
1945-10-08		-23.01
1945-09-24		-23.09
1945-09-10		-24.16
1945-08-27		-23.42
1945-08-13		-23.91
1945-07-30		-22.87
1945-07-16		-23.03
1945-06-30		-22.10
1945-06-16		-21.97
1945-06-02		-20.49
1945-05-19		-20.31
1945-05-05		-20.40
1945-04-21		-20.19
1945-04-07		-20.37
1945-03-24		-20.37
1945-03-10		-20.46
1945-02-24		-20.60
1945-02-10		-20.73
1945-01-27		-20.87
1945-01-13		-21.20
1944-12-30		-21.41
1944-12-16		-21.59
1944-12-02		-21.80
1944-11-18		-21.96
1944-11-04		-22.02
1944-10-21		-22.14
1944-10-07		-22.24
1944-09-23		-23.36
1944-09-09		-23.72
1944-08-26		-23.63
1944-08-12		-23.18
1944-07-29		-23.13
1944-07-15		-23.04
1944-06-24		-22.26
1944-06-10		-20.44

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1944-06-03		-20.83
1944-05-13		-20.08
1944-03-30		-20.46
1944-03-11		-20.55
1944-02-26		-20.63
1944-02-05		-20.90
1944-01-08		-21.19
1943-12-18		-21.51
1943-12-04		-21.53
1943-11-20		-21.73
1943-09-25		-22.41
1943-09-11		-23.37
1943-08-28		-22.93
1943-08-14		-22.93
1943-07-31		-23.43
1943-07-17		-22.90
1943-07-03		-22.61
1943-06-19		-22.44
1943-06-05		-21.50
1943-05-22		-20.69
1943-05-08		-20.09
1943-04-24		-19.92
1943-04-10		-20.02
1943-03-27		-20.18
1943-02-20		-20.64
1942-12-22		-21.21
1944-05-27		-20.07
1944-05-05		-20.33
1944-03-18		-20.54
1944-03-04		-20.67
1944-02-12		-20.79
1944-01-29		-20.92
1944-01-01		-21.33
1943-12-11		-21.65
1943-11-27		-21.67
1943-10-30		-21.96
1943-09-18		-22.81
1943-09-04		-23.29
1943-08-21		-22.92
1943-08-07		-23.09
1943-07-23		-23.23
1943-07-09		-22.37
1943-06-26		-22.09
1943-06-12		-20.81
1943-05-29		-20.42
1943-05-15		-20.30
1943-05-01		-20.16
1943-04-17		-19.98
1943-04-03		-20.07
1943-03-20		-20.38
1943-01-22		-21.02
1942-10-15		-21.92

4
East
1/8 - 1/4 Mile
Higher

FED USGS **USGS0761184**

Agency:	USGS	Site ID:	404135073584001
Site Name:	K 3276. 1		
Dec. Latitude:	40.69316		
Dec. Longitude:	-73.97736		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	38.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112GLCLU		
Aquifer type:	Not Reported		
Well depth:	54.		
Hole depth:	54.	Source:	Not Reported
Project no:	Not Reported		

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 175

Date	Feet below Surface	Feet to Sealevel
2003-06-25		5.83
2003-04-28		5.80
2003-01-28		5.65
2002-11-26		5.35
2002-09-25		4.80
2002-07-22		4.75
2002-05-29		4.93
2002-03-21		5.04
2002-01-28		5.12
2001-11-15		5.34
2001-09-26		5.37
2001-07-24		5.45
2001-05-24		5.70
2001-03-20		5.53
2001-01-17		5.33
2000-11-28		5.22
2000-09-27		5.28
2000-07-27		5.21
2000-05-23		5.26
2000-03-22		5.27
1999-12-13		5.12
1999-10-19		5.27
1999-08-17		4.95
1999-06-24		5.10
1999-04-28		5.52
1999-03-02		5.49
1998-11-24		5.43
1998-09-29		5.48
1998-07-28		5.89
1998-05-20		6.27
1998-03-25		5.93
1997-12-17		5.48
1997-11-05		5.39
1997-07-23		5.47
1997-05-29		5.64
1997-02-28		5.85
1997-01-07		5.95
1996-07-02		5.64
1995-11-28		5.46
1995-05-23		5.53
1995-01-25		5.79
1994-10-18		5.85
1994-08-24		5.78
1994-06-20		5.96
1994-04-26		6.20
1993-12-27		5.46
1993-10-28		5.52
1993-08-18		5.37
1993-06-22		5.78
1993-04-29		6.18
1993-02-24		5.82
1992-12-29		5.38
1992-10-28		5.26
1992-08-25		5.29
1992-06-23		5.37

Date	Feet below Surface	Feet to Sealevel
2003-05-20		5.66
2003-03-17		5.85
2002-12-27		5.62
2002-10-21		5.03
2002-08-30		4.68
2002-06-19		4.80
2002-04-24		4.97
2002-02-27		5.01
2001-12-28		5.18
2001-10-24		5.41
2001-08-29		5.36
2001-06-28		5.56
2001-04-25		5.91
2001-02-22		5.47
2000-12-19		5.31
2000-10-24		5.33
2000-08-24		5.35
2000-06-28		5.30
2000-04-27		5.35
2000-02-29		5.31
1999-11-23		5.31
1999-09-23		5.18
1999-07-20		4.99
1999-05-18		5.33
1999-03-23		5.48
1999-01-27		5.40
1998-10-29		5.37
1998-09-01		5.63
1998-06-10		6.09
1998-04-29		6.01
1998-01-29		5.84
1997-11-26		5.57
1997-09-29		5.46
1997-06-26		5.58
1997-03-18		5.83
1997-01-24		5.79
1996-09-19		5.54
1996-03-13		5.68
1995-09-26		5.16
1995-03-14		5.72
1994-12-13		5.74
1994-09-21		5.77
1994-07-27		5.83
1994-05-17		6.25
1994-03-25		6.11
1993-11-18		5.50
1993-09-15		5.33
1993-07-15		5.62
1993-05-20		6.08
1993-03-23		5.59
1993-01-26		5.44
1992-11-24		5.25
1992-09-16		5.32
1992-07-15		5.30
1992-06-15		5.37

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1992-05-12		5.59
1992-03-18		5.66
1992-01-22		5.72
1991-11-14		5.84
1991-09-24		5.66
1991-04-15		6.13
1991-02-21		5.65
1990-12-10		5.84
1990-10-10		5.96
1990-08-14		5.71
1990-06-20		5.68
1990-04-24		5.87
1990-03-27		5.61
1990-01-24		5.79
1989-11-21		5.89
1989-09-29		5.84
1989-07-25		5.97
1989-05-22		5.48
1989-03-29		5.05
1989-01-17		5.62
1988-11-16		5.01
1988-09-14		5.08
1988-07-22		5.04
1988-06-01		5.73
1985-05-21		5.30
1984-10-04		6.14
1984-03-16		6.33
1983-09-28		6.16
1983-03-25		5.98
1982-10-06		5.78
1982-04-01		5.98
1981-09-23		5.23
1981-04-01		5.98

Date	Feet below Surface	Feet to Sealevel
1992-04-14		5.70
1992-02-19		5.83
1991-12-18		5.81
1991-10-16		5.78
1991-05-15		6.02
1991-03-20		6.01
1991-01-24		5.89
1990-11-13		6.01
1990-09-12		5.91
1990-07-12		5.67
1990-05-25		5.59
1990-04-04		5.67
1990-02-26		6.33
1989-12-28		6.02
1989-10-27		6.00
1989-08-31		5.83
1989-06-22		5.90
1989-04-28		5.23
1989-02-28		5.50
1988-12-09		5.61
1988-10-19		5.16
1988-08-31		5.08
1988-06-17		5.06
1985-10-01		4.30
1984-12-18		6.03
1984-06-28		6.64
1984-01-05		6.71
1983-06-29		5.63
1982-12-21		5.55
1982-06-30		5.82
1981-12-29		5.80
1981-06-29		5.09

A5
South
1/8 - 1/4 Mile
Higher

FED USGS **USGS0761116**

Agency:	USGS		
Site Name:	K 1302. 1	Site ID:	404124073585701
Dec. Latitude:	40.6901		
Dec. Longitude:	-73.98208		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	40.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112GLCLU		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	79.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
6 NW 1/8 - 1/4 Mile Higher		FED USGS	USGS0761194

Agency:	USGS	Site ID:	404147073590601
Site Name:	K 728. 1		
Dec. Latitude:	40.69649		
Dec. Longitude:	-73.98458		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	36.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	132.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

7 ESE 1/4 - 1/2 Mile Higher		FED USGS	USGS0761180

Agency:	USGS	Site ID:	404130073584001
Site Name:	K 661. 1		
Dec. Latitude:	40.69177		
Dec. Longitude:	-73.97736		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	54.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	148.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

B8 South 1/4 - 1/2 Mile Higher		FED USGS	USGS0761113

Agency:	USGS	Site ID:	404120073585901
Site Name:	K 259. 1		
Dec. Latitude:	40.68899		
Dec. Longitude:	-73.98264		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	40.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	86.		
Hole depth:	113.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

B9
South
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761112**

Agency:	USGS	Site ID:	404119073585701
Site Name:	K 320. 1		
Dec. Latitude:	40.68871		
Dec. Longitude:	-73.98208		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	38.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	114.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

10
West
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761185**

Agency:	USGS	Site ID:	404135073591901
Site Name:	K 2044. 1		
Dec. Latitude:	40.69316		
Dec. Longitude:	-73.98819		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	48.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	140.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

C11
South
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761111**

Agency:	USGS	Site ID:	404119073585301
Site Name:	K 660. 1		
Dec. Latitude:	40.68871		
Dec. Longitude:	-73.98097		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	35.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	125.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

12
NW
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761219**

Agency:	USGS	Site ID:	404150073591201
Site Name:	K 12. 1		
Dec. Latitude:	40.69732		
Dec. Longitude:	-73.98625		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	49.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	99.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

C13
South
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761110**

Agency:	USGS	Site ID:	404118073585401
Site Name:	K 277. 1		
Dec. Latitude:	40.68844		
Dec. Longitude:	-73.98125		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	37.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	83.		
Hole depth:	146.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

14
SW
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761179**

Agency:	USGS	Site ID:	404126073591601
Site Name:	K 261. 1		
Dec. Latitude:	40.69066		
Dec. Longitude:	-73.98736		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	35.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	95.		
Hole depth:	95.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

15
WNW
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761122**

Agency:	USGS	Site ID:	404144073591901
Site Name:	K 2172. 1		
Dec. Latitude:	40.69566		
Dec. Longitude:	-73.98819		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	50.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	116.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

B16
South
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761178**

Agency:	USGS	Site ID:	404117073590001
Site Name:	K 290. 1		
Dec. Latitude:	40.68816		
Dec. Longitude:	-73.98292		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	39.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	104.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

17
SSE
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761177**

Agency:	USGS	Site ID:	404117073584801
Site Name:	K 1073. 1		
Dec. Latitude:	40.68816		
Dec. Longitude:	-73.97958		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	32.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	120.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

18
South
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761176**

Agency:	USGS	Site ID:	404115073585601
Site Name:	K 656. 1		
Dec. Latitude:	40.6876		
Dec. Longitude:	-73.98181		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	43.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	159.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

19
ENE
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761193**

Agency:	USGS	Site ID:	404147073583101
Site Name:	K 665. 1		
Dec. Latitude:	40.69649		
Dec. Longitude:	-73.97486		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	12.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	169.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

20
NNW
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761224**

Agency:	USGS	Site ID:	404156073590901
Site Name:	K 709. 1		
Dec. Latitude:	40.69899		
Dec. Longitude:	-73.98542		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	56.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	139.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

21
WNW
1/4 - 1/2 Mile
Higher

FRDS PWS **NY0003335**

PWS ID:	NY0003335	PWS Status:	Active
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	SPRING GLEN LAKE BLOOMINGBURG, NY 12721		
Addressee / Facility:	System Owner/Responsible Party BUDD HERBERT H & H BUDD EARTH MOVING EX CO MOUNTAINDALE RD. SPRING GLEN, NY 12483		
Facility Latitude:	40 41 42	Facility Longitude:	073 59 24
Facility Latitude:	41 39 03	Facility Longitude:	074 26 30
City Served:	MAMAKATING (T)		
Treatment Class	Not Reported	Population:	Not Reported

PWS currently has or had major violation(s) or enforcement: No

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22
East
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761188**

Agency:	USGS	Site ID:	404141073582601
Site Name:	K 729. 1		
Dec. Latitude:	40.69483		
Dec. Longitude:	-73.97347		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	45.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		

Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	175.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

23
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS0761173**

Agency:	USGS	Site ID:	404111073584601
Site Name:	K 659. 1		
Dec. Latitude:	40.68649		
Dec. Longitude:	-73.97903		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	38.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	170.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

24
South
1/2 - 1 Mile
Higher

FED USGS **USGS0761171**

Agency:	USGS	Site ID:	404109073585901
Site Name:	K 655. 1		
Dec. Latitude:	40.68594		
Dec. Longitude:	-73.98264		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	39.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	214.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
25 NNW 1/2 - 1 Mile Higher		FED USGS	USGS0761233

Agency:	USGS	Site ID:	404202073591401
Site Name:	K 723. 1		
Dec. Latitude:	40.70066		
Dec. Longitude:	-73.98681		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	57.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	141.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

D26 SSW 1/2 - 1 Mile Lower		FED USGS	USGS0761170

Agency:	USGS	Site ID:	404108073591001
Site Name:	K 676. 1		
Dec. Latitude:	40.68566		
Dec. Longitude:	-73.98569		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	28.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	163.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

D27 SSW 1/2 - 1 Mile Lower		FED USGS	USGS0761169

Agency:	USGS	Site ID:	404107073591401
Site Name:	K 731. 1		
Dec. Latitude:	40.68538		
Dec. Longitude:	-73.98681		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	23.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	210.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

28
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS0761108**

Agency:	USGS	Site ID:	404106073584001
Site Name:	K 18. 1		
Dec. Latitude:	40.6851		
Dec. Longitude:	-73.97736		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	48.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112GLCLU		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

29
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS0761238**

Agency:	USGS	Site ID:	404209073590601
Site Name:	K 671. 1		
Dec. Latitude:	40.7026		
Dec. Longitude:	-73.98458		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	37.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	135.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

30
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS0761221**

Agency:	USGS	Site ID:	404152073593801
Site Name:	K 1029. 1		
Dec. Latitude:	40.69788		
Dec. Longitude:	-73.99347		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	78.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112GLCLU		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

31
East
1/2 - 1 Mile
Higher

FED USGS **USGS0761183**

Agency:	USGS	Site ID:	404135073580901
Site Name:	K 658. 1		
Dec. Latitude:	40.69316		
Dec. Longitude:	-73.96875		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	61.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	201.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

E32
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS0761107**

Agency:	USGS	Site ID:	404105073591801
Site Name:	K 694. 1		
Dec. Latitude:	40.68483		
Dec. Longitude:	-73.98792		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	16.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	117.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

33
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS0761220**

Agency:	USGS	Site ID:	404152073581301
Site Name:	K 663. 1		
Dec. Latitude:	40.69788		
Dec. Longitude:	-73.96986		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	14.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	195.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

F34
East
1/2 - 1 Mile
Higher

FED USGS **USGS0761121**

Agency:	USGS	Site ID:	404143073580901
Site Name:	K 1288. 1		
Dec. Latitude:	40.69538		
Dec. Longitude:	-73.96875		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	30.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	108.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

E35
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS0761105**

Agency:	USGS	Site ID:	404104073592201
Site Name:	K 725. 1		
Dec. Latitude:	40.68455		
Dec. Longitude:	-73.98903		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	14.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	115.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

F36
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS0761189**

Agency:	USGS	Site ID:	404146073580702
Site Name:	K 1018. 1		
Dec. Latitude:	40.69621		
Dec. Longitude:	-73.96819		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	18.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	116.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

F37
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS0761129**

Agency:	USGS	Site ID:	404146073580701
Site Name:	K 1015. 1		
Dec. Latitude:	40.69621		
Dec. Longitude:	-73.96819		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	20.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	92.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

38
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS0761222**

Agency:	USGS	Site ID:	404154073594301
Site Name:	K 110. 1		
Dec. Latitude:	40.69844		
Dec. Longitude:	-73.99486		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	72.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	160.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

G39
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS0761192**

Agency:	USGS	Site ID:	404147073580501
Site Name:	K 1488. 1		
Dec. Latitude:	40.69649		
Dec. Longitude:	-73.96764		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	25.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	108.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

H40
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS0761165**

Agency:	USGS	Site ID:	404057073583701
Site Name:	K 19. 1		
Dec. Latitude:	40.68288		
Dec. Longitude:	-73.97736		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	46.9		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112JMCO		
Aquifer type:	Not Reported		
Well depth:	186.		
Hole depth:	186.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 276

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2003-03-17		8.15	2002-03-21		7.73
2001-03-21		8.15	2000-03-22		8.01
1999-03-23		8.43	1998-05-28		8.88
1998-04-29		8.67	1998-03-25		8.49
1998-02-26		8.49	1998-01-26		8.27
1997-12-29		8.33	1997-11-26		8.48
1997-10-29		8.39	1997-09-29		8.56
1997-03-18		8.57	1996-07-12		8.31
1995-09-29		7.73	1995-06-22		7.87
1995-03-15		8.28	1995-01-03		8.59

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1994-06-28		8.97
1993-08-25		8.38
1993-06-22		8.66
1993-04-28		8.91
1993-01-19		8.41
1992-11-19		8.25
1992-09-18		8.37
1992-07-14		8.31
1988-06-01		8.17
1987-03-10		7.79
1986-06-13		7.59
1985-10-01		7.57
1984-12-18		10.17
1984-06-28		10.27
1984-01-05		9.80
1983-03-25		8.83
1982-10-06		8.56
1982-04-02		9.08
1981-09-23		8.47
1981-03-27		9.41
1980-09-23		9.87
1980-03-13		9.46
1979-09-17		10.47
1978-06-14		10.18
1976-12-21		8.00
1976-07-09		7.97
1975-10-07		8.41
1975-03-26		7.85
1974-09-25		7.62
1974-06-28		7.98
1974-01-09		8.24
1973-07-09		7.77
1972-12-27		7.37
1972-07-10		7.67
1972-01-13		6.94
1971-07-28		8.33
1971-03-08		5.38
1970-10-30		6.38
1970-03-13		6.38
1969-11-10		5.90
1969-08-04		5.48
1969-05-28		5.00
1969-04-01		4.79
1969-01-30		4.57
1968-12-03		4.07
1968-09-30		3.94
1968-07-29		4.13
1968-05-28		4.12
1968-03-27		4.29
1968-02-05		4.29
1967-11-29		3.93
1967-09-26		3.82
1967-07-28		3.56
1967-05-31		3.67
1967-03-29		3.48

Date	Feet below Surface	Feet to Sealevel
1993-11-22		8.35
1993-07-22		8.51
1993-05-24		8.82
1993-03-23		8.44
1992-12-28		8.39
1992-10-27		8.29
1992-08-24		8.34
1989-03-08		8.14
1987-09-10		7.97
1986-09-10		7.46
1985-12-03		7.64
1985-05-21		8.48
1984-10-05		9.78
1984-03-16		9.83
1983-09-28		8.34
1982-12-21		8.27
1982-06-30		8.87
1981-12-29		8.77
1981-06-25		8.96
1980-12-30		9.60
1980-06-19		10.29
1979-12-18		10.02
1979-06-28		10.58
1977-03-29		7.77
1976-09-22		7.99
1975-12-16		8.03
1975-06-30		7.50
1974-12-20		7.83
1974-09-05		7.95
1974-03-19		8.20
1973-09-25		7.29
1973-04-03		7.58
1972-09-29		7.04
1972-03-28		6.77
1971-09-23		7.01
1971-05-05		7.33
1971-02-09		6.59
1970-05-08		6.67
1970-02-06		5.97
1969-09-02		5.69
1969-07-02		5.14
1969-04-22		4.99
1969-03-01		4.59
1969-01-08		4.39
1968-11-06		3.87
1968-08-28		3.92
1968-06-26		4.15
1968-04-22		4.40
1968-03-06		4.01
1968-01-02		4.63
1967-10-20		3.62
1967-09-07		3.82
1967-07-06		3.57
1967-05-04		3.38
1967-02-24		3.25

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1967-01-31		1.93
1966-12-01		2.96
1966-09-30		2.66
1966-07-29		2.59
1966-05-26		3.17
1966-03-30		3.31
1966-01-28		3.08
1965-12-02		3.12
1965-10-07		3.07
1965-07-23		3.13
1965-05-24		3.28
1965-03-25		3.03
1965-01-29		2.80
1964-11-25		2.69
1964-10-01		2.57
1964-07-27		2.89
1964-05-28		2.74
1964-03-30		2.85
1964-01-28		2.45
1963-12-05		2.14
1963-09-30		2.23
1963-07-30		2.43
1963-06-03		2.92
1963-03-29		3.04
1963-01-31		3.06
1962-12-04		3.07
1962-08-31		3.03
1962-07-02		3.37
1962-04-26		3.75
1962-03-05		3.27
1961-12-28		3.08
1961-10-31		2.42
1961-08-31		2.88
1961-06-29		2.60
1961-04-26		2.61
1961-03-01		2.12
1960-12-06		1.57
1960-09-28		1.23
1960-08-02		1.10
1960-06-02		1.44
1960-03-29		1.26
1960-01-27		0.94
1959-12-01		0.60
1959-10-06		0.53
1959-08-04		0.87
1959-06-01		1.41
1959-04-03		1.54
1959-01-29		1.34
1958-10-30		1.16
1958-07-29		1.14
1958-05-29		1.20
1958-04-08		0.59
1958-01-28		0.16
1957-11-22		-0.19
1957-09-24		-0.43

Date	Feet below Surface	Feet to Sealevel
1966-12-23		3.09
1966-10-25		2.68
1966-08-29		2.64
1966-06-27		2.94
1966-05-04		3.16
1966-03-02		3.07
1965-12-30		3.41
1965-10-28		3.09
1965-09-09		3.09
1965-06-24		3.15
1965-05-04		3.31
1965-02-24		3.00
1964-12-31		2.49
1964-11-02		2.72
1964-09-02		2.32
1964-07-06		2.79
1964-04-23		2.76
1964-02-28		2.58
1963-12-31		2.20
1963-11-05		2.14
1963-09-03		2.44
1963-07-02		2.61
1963-04-25		3.04
1963-02-28		3.02
1963-01-03		3.17
1962-10-03		2.96
1962-07-30		3.45
1962-05-29		4.36
1962-03-27		3.36
1962-01-31		3.00
1961-11-28		2.89
1961-09-28		2.63
1961-08-01		2.59
1961-05-31		2.91
1961-03-28		2.43
1961-01-30		1.97
1960-11-02		1.46
1960-08-30		1.09
1960-06-30		1.24
1960-05-04		1.32
1960-03-08		1.16
1960-01-05		0.93
1959-11-02		0.71
1959-09-03		0.73
1959-07-02		1.12
1959-05-06		1.36
1959-03-02		1.59
1959-01-07		1.47
1958-08-28		0.94
1958-06-30		1.14
1958-05-01		0.79
1958-03-03		0.40
1957-12-31		-0.04
1957-10-30		-0.23
1957-09-04		-0.21

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1957-07-24		-0.24
1957-05-28		0.09
1957-03-27		0.07
1957-01-25		-0.03
1956-11-29		-0.18
1956-09-04		-0.41
1956-07-03		-0.33
1956-05-03		-0.28
1956-03-05		-0.69
1955-12-22		-1.11
1955-11-04		-1.66
1955-08-25		-2.01
1955-06-23		-1.71
1955-04-26		-1.34
1955-02-21		-1.71
1954-12-27		-2.03
1954-10-28		-2.61
1954-08-25		-2.62
1957-06-27		-0.12
1957-04-24		0.17
1957-02-27		0.21
1956-12-20		-0.16
1956-10-02		-0.31
1956-08-02		-0.35
1956-06-05		-0.17
1956-03-29		-0.56
1956-02-03		-0.96
1955-12-02		-1.43
1955-10-07		-1.88
1955-07-26		-1.97
1955-05-24		-1.47
1955-03-29		-1.54
1955-01-25		-1.77
1954-12-02		-2.29
1954-10-05		-2.79
1954-07-29		-2.74

G41
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS0761125**

Agency:	USGS	Site ID:	404145073580401
Site Name:	K 1548. 1		
Dec. Latitude:	40.69594		
Dec. Longitude:	-73.96736		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	38.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	116.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

42
South
1/2 - 1 Mile
Lower

FED USGS **USGS0761166**

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	404057073585901
Site Name:	K 3259. 1		
Dec. Latitude:	40.68233		
Dec. Longitude:	-73.98292		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	23.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112GLCLU		
Aquifer type:	Not Reported		
Well depth:	30.		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 45

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1995-03-14		13.98	1995-01-03		13.34
1994-06-28		13.99	1994-03-25		14.42
1993-11-22		12.15	1993-08-25		12.04
1993-07-22		12.75	1993-06-22		13.30
1993-06-14		13.47	1993-03-23		13.46
1993-01-19		13.09	1992-12-28		12.92
1992-11-19		12.13	1992-10-27		11.90
1992-09-18		12.32	1992-07-14		12.76
1992-03-18		11.35	1991-03-20		12.45
1990-03-27		12.47	1989-04-11		12.81
1988-06-01		13.38	1985-10-01		12.45
1985-05-21		12.53	1984-12-18		12.91
1984-10-05		13.24	1984-06-28		13.60
1984-03-16		13.38	1984-01-05		5.13
1983-09-28		5.98	1983-06-29		12.13
1983-03-25		12.38	1982-12-21		11.88
1982-10-06		13.28	1982-06-30		13.66
1982-03-24		13.42	1981-12-29		13.90
1981-09-23		14.24	1981-06-25		13.76
1981-03-20		13.94	1981-02-10		13.43
1980-12-30		13.16	1980-09-23		13.35
1980-06-24		13.06	1980-06-10		14.02
1980-04-11		12.13			

43
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS0761117**

Agency:	USGS	Site ID:	404124073594701
Site Name:	K 1365. 1		
Dec. Latitude:	40.6901		
Dec. Longitude:	-73.99597		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	42.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	103.		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 24

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1969-04-23		-1.43	1968-04-23		-1.32
1967-10-23		0.46	1967-03-29		0.07
1966-10-25		0.04	1966-05-04		-0.80
1965-10-27		-1.16	1965-09-14		-1.01
1965-05-04		-0.28	1964-11-02		-0.78
1964-04-23		0.05	1963-04-25		0.02
1962-04-26		0.58	1961-12-27		-0.10
1961-01-05		-0.73	1960-01-11		-1.61
1959-03-11		-4.72	1954-12-17		-4.06
1953-12-23		-4.32	1953-01-13		-5.29
1951-01-02		-4.66	1950-12-12		-11.26
1950-03-24		-10.77	1950-02-28		-11.14

44
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS0761307**

Agency:	USGS	Site ID:	404216073591301
Site Name:	K 685. 1		
Dec. Latitude:	40.70455		
Dec. Longitude:	-73.98653		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	7.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	91.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation	Database	EDR ID Number
G45 **ENE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS0761191**

Agency:	USGS	Site ID:	404147073580201
Site Name:	K 82. 1		
Dec. Latitude:	40.69649		
Dec. Longitude:	-73.9668		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	20.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	120.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

G46 **ENE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS0761218**

Agency:	USGS	Site ID:	404150073580301
Site Name:	K 1051. 1		
Dec. Latitude:	40.69732		
Dec. Longitude:	-73.96708		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	20.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	86.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

G47 **ENE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS0761195**

Agency:	USGS	Site ID:	404148073580208
Site Name:	K 81. 1		
Dec. Latitude:	40.69677		
Dec. Longitude:	-73.9668		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	Not Reported		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	96.		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 20

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1969-04-22		1.53	1968-11-06		-0.94
1968-04-22		-0.29	1967-10-20		0.28
1967-03-28		0.05	1966-10-25		-0.94
1966-05-03		-0.79	1965-10-27		-1.36
1965-09-14		-1.21	1965-05-24		-0.91
1964-10-30		-1.69	1964-04-23		-1.62
1963-04-26		-2.40	1962-04-26		-2.24
1961-12-28		-2.83	1961-01-09		-5.61
1960-01-14		-5.75	1959-03-16		-4.51
1954-12-17		-15.64	1953-01-22		-15.11

H48
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS0761161**

Agency:	USGS	Site ID:	404055073583801
Site Name:	K 657. 1		
Dec. Latitude:	40.68205		
Dec. Longitude:	-73.97681		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	44.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	227.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation		Database	EDR ID Number
49 **SW** **1/2 - 1 Mile** **Lower**		**FED USGS**	**USGS0761104**

Agency:	USGS	Site ID:	404102073593301
Site Name:	K 654. 1		
Dec. Latitude:	40.68399		
Dec. Longitude:	-73.99208		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	25.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	158.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

50 **NNW** **1/2 - 1 Mile** **Lower**		**FED USGS**	**USGS0761308**

Agency:	USGS	Site ID:	404216073592401
Site Name:	K 662. 1		
Dec. Latitude:	40.70455		
Dec. Longitude:	-73.98958		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	Not Reported		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	108.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

I51 **East** **1/2 - 1 Mile** **Higher**		**FED USGS**	**USGS0761123**

Agency:	USGS	Site ID:	404145073575701
Site Name:	K 1319. 1		
Dec. Latitude:	40.69594		
Dec. Longitude:	-73.96542		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	31.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	145.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

I52
East
1/2 - 1 Mile
Higher

FED USGS **USGS0761124**

Agency:	USGS	Site ID:	404145073575702
Site Name:	K 1340. 1		
Dec. Latitude:	40.69594		
Dec. Longitude:	-73.96542		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	25.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	145.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

I53
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS0761128**

Agency:	USGS	Site ID:	404146073575601
Site Name:	K 1313. 1		
Dec. Latitude:	40.69621		
Dec. Longitude:	-73.96514		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	31.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	161.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

54
NW
1/2 - 1 Mile
Lower

FED USGS **USGS0761244**

Agency:	USGS	Site ID:	404212073594001
Site Name:	K 684. 1		
Dec. Latitude:	40.70344		
Dec. Longitude:	-73.99403		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	5.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	104.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

55
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS0761099**

Agency:	USGS	Site ID:	404054073582401
Site Name:	K 20. 1		
Dec. Latitude:	40.68177		
Dec. Longitude:	-73.97292		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	40.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112GLCLU		
Aquifer type:	Not Reported		
Well depth:	126.		
Hole depth:	136.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

56
NE
1/2 - 1 Mile
Lower

FED USGS **USGS0761306**

Agency:	USGS	Site ID:	404215073581601
Site Name:	K 2173. 1		
Dec. Latitude:	40.70427		
Dec. Longitude:	-73.97069		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	5.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	115.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

57
SW
1/2 - 1 Mile
Higher

FED USGS **USGS0761101**

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	404058073593601
Site Name:	K 702. 1		
Dec. Latitude:	40.68288		
Dec. Longitude:	-73.99292		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	28.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	140.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

Zip	Num Sites	< 4 Pci/L	>= 4 Pci/L	>= 20 Pci/L	Avg > 4 Pci/L	Max Pci/L
11201	12	11 (91.7%)	1 (8.3%)	0 (0%)	1.84	7.5

Federal EPA Radon Zone for KINGS County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for KINGS COUNTY, NY

Number of sites tested: 51

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.750 pCi/L	100%	0%	0%
Basement	1.370 pCi/L	88%	10%	2%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

New York State Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961
Coverages are based on official New York State Freshwater Wetlands Maps as described in Article 24-0301 of the Environmental Conservation Law.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

New York Facility and Manifest Data
Source: NYSDEC
Telephone: 518-457-6585
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

The EDR Radius Map
with GeoCheck®

180 Myrtle Ave
180 Myrtle Ave
Brooklyn, NY 11201

Inquiry Number: 01327082.1r

December 15, 2004

EDR™ Environmental Data Resources Inc

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

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FORM-GIL

TABLE OF CONTENTS

SECTION	PAGE
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	6
Orphan Summary	191
EPA Waste Codes	EPA-1
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	A-46

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

180 MYRTLE AVE
BROOKLYN, NY 11201

COORDINATES

Latitude (North):	40.693580 - 40' 41' 36.9"
Longitude (West):	73.981770 - 73' 58' 54.4"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	586033.1
UTM Y (Meters):	4505029.5
Elevation:	31 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	40073-F8 BROOKLYN, NY
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the ASTM E 1527-00 search radius around the target property for the following databases:

FEDERAL ASTM STANDARD

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP..... CERCLIS No Further Remedial Action Planned
CORRACTS..... Corrective Action Report
RCRA-TSDF..... Resource Conservation and Recovery Act Information
RCRA-LQG..... Resource Conservation and Recovery Act Information
ERNS..... Emergency Response Notification System

STATE ASTM STANDARD

SHWS..... Inactive Hazardous Waste Disposal Sites in New York State

EXECUTIVE SUMMARY

SWF/LF	Facility Register
CBS UST	Chemical Bulk Storage Database
MOSF UST	Major Oil Storage Facilities Database
SWTIRE	Registered Waste Tire Storage & Facility List
SWRCY	Registered Recycling Facility List

FEDERAL ASTM SUPPLEMENTAL

CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
Delisted NPL	National Priority List Deletions
FINDS	Facility Index System/Facility Identification Initiative Program Summary Report
HMIRS	Hazardous Materials Information Reporting System
MLTS	Material Licensing Tracking System
MINES	Mines Master Index File
NPL Liens	Federal Superfund Liens
PADS	PCB Activity Database System
INDIAN RESERV	Indian Reservations
UMTRA	Uranium Mill Tailings Sites
ODL	Open Dump Inventory
DOD	Department of Defense Sites
RAATS	RCRA Administrative Action Tracking System
TRIS	Toxic Chemical Release Inventory System
TSCA	Toxic Substances Control Act
SSTS	Section 7 Tracking Systems
FTTS INSP	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

STATE OR LOCAL ASTM SUPPLEMENTAL

HSWDS	Hazardous Substance Waste Disposal Site Inventory
AST	Petroleum Bulk Storage
CBS AST	Chemical Bulk Storage Database
MOSF AST	Major Oil Storage Facilities Database
DEL SHWS	Delisted Registry Sites
AIRS	Air Emissions Data
SPDES	State Pollutant Discharge Elimination System

BROWNFIELDS DATABASES

US BROWNFIELDS	A Listing of Brownfields Sites
Brownfields	Brownfields Site List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

FEDERAL ASTM STANDARD

RCRAInfo: RCRAInfo is EPA's comprehensive information system, providing access to data supporting and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 08/10/2004 has revealed that there are 25 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
R & P DRY CLEANERS	*167 MYRTLE AVE*	*0 - 1/8 W*	*A2*	*7*
CHASE MANHATTAN BANK	*4 CHASE METROTECH CENTE*	*0 - 1/8 W*	*B7*	*16*
LONG ISLAND COLLEGE HOSPITAL	*LONG ISLAND COLLEGE HOS*	*1/8 - 1/4 SSE*	*29*	*46*
SUNOCO SERVICE STATION	85 FLATBUSH AVE EXT	1/8 - 1/4 SW	I32	48
SUNOCO SERVICE STATION	*85 FLATBUSH EXT*	*1/8 - 1/4 SW*	*I34*	*54*
LONG ISLAND UNIVERSITY	*UNIVERSITY PLAZA*	*1/8 - 1/4 S*	*37*	*58*
KINGSVIEW HOMES INC	*125 ASHLAND PL*	*1/8 - 1/4 ESE*	*J39*	*61*
MERIT OIL CORP	*132 FLATBUSH AVE EXT*	*1/8 - 1/4 NW*	*L48*	*84*
NEW YORK TELEPHONE CO	*101 WILLOUGHBY ST*	*1/8 - 1/4 WSW*	*M49*	*89*
CON ED - V 3268	264 BRIDGE ST	1/8 - 1/4 WNW	N51	91
CON ED - MH 10126	BRIDGE ST & JOHNSON AVE	1/8 - 1/4 WNW	N52	91
VERIZON - BRIDGE ST CO	*360 BRIDGE ST*	*1/8 - 1/4 WSW*	*53*	*91*
SHELL SERVICE STATION	*112 FLATBUSH AVE*	*1/8 - 1/4 NW*	*L55*	*97*
MAGIC TOUCH CLEANERS	*381 BRIDGE ST*	*1/8 - 1/4 WSW*	*R65*	*106*
BRIDGE CLEANERS	*384 BRIDGE STREET*	*1/8 - 1/4 SW*	*R68*	*116*
FOREST CITY BRIDGE STREET ASSO	*2 METROTECH CTR*	*1/8 - 1/4 W*	*69*	*117*
LONG ISLAND UNIVERSITY BROOKLY	*1 UNIVERSITY PLAZA*	*1/8 - 1/4 S*	*70*	*117*
UNITED INSIGNIA	*397 BRIDGE ST*	*1/8 - 1/4 SW*	*73*	*122*

Lower Elevation	Address	Dist / Dir	Map ID	Page
MOBIL OIL CORP SS #EGA	*185 FLATBUSH AVE EXT*	*0 - 1/8 WNW*	*C13*	*26*
PEPPER & POTTER INC	*329 GOLD ST*	*0 - 1/8 NW*	*F18*	*30*
TEAM OBSOLETE	*315 GOLD ST*	*0 - 1/8 NW*	*F22*	*36*
NYCHA - INGERSOL HOUSES	*120 NAVY WALK*	*1/8 - 1/4 NNE*	*G31*	*48*
300 GOLD ST	300 GOLD ST	1/8 - 1/4 NNW	K43	71
CON ED - M/H 60182	PARK & NAVY ST	1/8 - 1/4 NNE	P62	104
CON ED - MH 60182	PARK AVE & NAVY ST	1/8 - 1/4 NNE	P63	104

STATE ASTM STANDARD

LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage

tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the LTANKS list, as provided by EDR, and dated 07/26/2004 has revealed that there are 44 LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
N Y TELEPHONE	101 FLEET PL	0 - 1/8 SSW	8	16
130 MYRTLE ST	130 MYRTLE ST	0 - 1/8 W	24	37
1 UNIVERSITY PLAZA	***1 UNIVERSITY PLAZA***	***1/8 - 1/4 S***	***H27***	***42***
316 FLATBUSH AV	316 FLATBUSH AV	1/8 - 1/4 S	E28	45
APARTMENT BUILDING	125 ASHLAND PLACE	1/8 - 1/4 ESE	J38	60
SUNOCO GAS STATION	TILLARY ST / FLATBUSH	1/8 - 1/4 NW	Q64	105
75 WILLOUGHBY ST	75 WILLOUGBY STREET	1/8 - 1/4 WSW	71	119
POLYTECHNIC UNIVERSITY	***333 JAY ST***	***1/4 - 1/2 W***	***74***	***122***
WHITMAN HOUSING	287 MYRTLE AVENUE	1/4 - 1/2 E	76	127
FORT GREEN PL & DEKALB AV	FORT GREEN PL / DEKALB	1/4 - 1/2 SE	77	129
NEW YORK CITY WELFARE FAC	210 LIVINGSTON STREET	1/4 - 1/2 SW	78	130
PEARLE ST/BKLYN/NYCTA	PEARLE STREET	1/4 - 1/2 WSW	S79	131
PEARL ST/BKLYN/NYCTA	PEARL STREET	1/4 - 1/2 WSW	S80	133
408 JAY/1427 FULTON /BKLN	1427 FULTON/408 JAY ST	1/4 - 1/2 WSW	81	134
BOARD OF EDUCATION	409 RED HOOK LANE	1/4 - 1/2 WSW	82	135
BROOKLYN ACADEMY OF MUSIC	FULTON ST / ROCKWELL	1/4 - 1/2 SSE	83	136
MPM REALTY CORP	141 LIVINGSTON STREET	1/4 - 1/2 WSW	84	137
Not reported	40 NEVINS ST	1/4 - 1/2 S	T85	138
WALT WHITMAN HOUSES	120 CUMBERLAND WALK	1/4 - 1/2 ENE	86	140
111 LIVINGSTON ST/NY TEL	111 LIVINGSTON ST	1/4 - 1/2 WSW	V90	144
NY TELEPHONE	111 LIVINGSTON STREET	1/4 - 1/2 WSW	V91	145
COGEN CORPORATION	***111 LIVINGSTON STREET***	***1/4 - 1/2 WSW***	***V92***	***146***
COMMUNITY LIVING	50 NEVINS ST	1/4 - 1/2 S	T93	154
BROOKLYN LAW SCHOOL	250 JORALEMON ST	1/4 - 1/2 WSW	94	156
186 JAY STREET	***186 JAY STREEY***	***1/4 - 1/2 NW***	***95***	***156***
120 SCHERMERHORN STREET	120 SCHERMERHORN STREET	1/4 - 1/2 WSW	96	158
90 CARLTON AVE	90 CARLTON AVE	1/4 - 1/2 ENE	99	179
620 FULTON ST.	620 FULTON ST.	1/4 - 1/2 SSE	X100	180
CITGO	620 FULTON ST.	1/4 - 1/2 SSE	X101	181
ADVANCED MANAGEMENT	***26 COURT ST***	***1/4 - 1/2 W***	***Y103***	***183***
32 COURT STREET	32 COURT ST	1/4 - 1/2 W	Y106	187
LVINGSTON ASSOC.	88 LIVINGSTON ST	1/4 - 1/2 WSW	107	188

Lower Elevation	Address	Dist / Dir	Map ID	Page
NYPD 84 PRECINCT	301 GOLD ST	1/8 - 1/4 NNW	K40	63
NYCPD 84TH PRECINCT	***301 GOLD STREET***	***1/8 - 1/4 NNW***	***K44***	***72***
INGERSOLL HOUSES	22 MONUMENT WALK	1/8 - 1/4 NE	O57	100
INGERSOLL HOUSES	8 MONUMENT WALK	1/8 - 1/4 NNE	O58	101
Not reported	45 N ELLIOT PL	1/4 - 1/2 NE	75	127
RED HOOK MARINE TRMNL	ADMINISTRATION BLDG	1/4 - 1/2 NE	U87	141
RED HOOK MARINE/PT AUTH	RED HOOK MARINE TERMINA	1/4 - 1/2 NE	U88	142
RED HOOK TERM/BKLYN/	RED HOOK TERMINAL	1/4 - 1/2 NE	U89	143
BROOKLYN NAVY YARD INDUSTRIAL	***63 FLUSHING AVE.***	***1/4 - 1/2 NE***	***W97***	***160***
RED HOOK WATER POLLUTION CONTR	***63 FLUSHING AVENUE***	***1/4 - 1/2 NE***	***W98***	***174***
58-02 FLUSHING AVE/QUEENS	58-02 FLUSHING AVENUE	1/4 - 1/2 NE	W102	182
BROOKLYN NAVY YARD	FLUSHING AV/CUMBERLAND	1/4 - 1/2 NE	Z105	186

EXECUTIVE SUMMARY

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 29 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
147 PRINCE ST.	147 PRINCE STREET	0 - 1/8 WSW	A1	6
NEW YORK TELEPHONE	101 FLEET PLACE	0 - 1/8 S	3	8
UNIVERSITY TOWERS APTS	175 WILLOUGHBY ST	0 - 1/8 S	E17	29
UNIVERSITY TOWERS APTS CORP.	191 WILLOUGHBY ST	0 - 1/8 S	E20	34
NYC DEPARTMENT OF HEALTH	FORT GREENE DISTRICT HE	0 - 1/8 SSW	21	35
BROOKLYN COMPUS LIU	1 UNIVERSITY PLAZA	1/8 - 1/4 S	H26	39
INSTITUTE OF DESIGN AND CONST	141 WILLOUGHBY ST	1/8 - 1/4 SW	30	47
SUNOCO 0007-1548	85 FLATBUSH AVE	1/8 - 1/4 SW	I33	49
UNIVERSITY TOWERS APTS CORP.	122 ASHLAND PLACE	1/8 - 1/4 ESE	J36	57
KINGSVIEW HOMES INC	***125 ASHLAND PL***	***1/8 - 1/4 ESE***	***J39***	***61***
POLYTECHNIC UNIVERSITY	305 BRIDGE STREET	1/8 - 1/4 WNW	45	76
UNITED DUFFIELD CO.	214 DUFFIELD ST	1/8 - 1/4 SW	47	82
MERIT OIL CORP	***132 FLATBUSH AVE EXT***	***1/8 - 1/4 NW***	***L48***	***84***
POLYTECHNIC UNIVERSITY	122 JOHNSON ST	1/8 - 1/4 WNW	N50	90
SHELL	112 FLATBUSH AVE	1/8 - 1/4 NW	L54	92
GREENPARK CARE CENTER	140 EDWARDS STREET	1/8 - 1/4 ESE	60	102
ENGINE 207 / LADDER 110	***172 TILLARY STREET***	***1/8 - 1/4 NW***	***Q66***	***107***
ST JOSEPH HIGH SCHOOL	80 WILLOUGHBY ST	1/8 - 1/4 WSW	R67	114
DIME SAVINGS BANK OF NEW YORK	DE KALB AVE / FULTON ST	1/8 - 1/4 SSW	72	120

Lower Elevation	Address	Dist / Dir	Map ID	Page
EXXONMOBIL S/S 17-EGA	185 FLATBUSH AVE EXT	0 - 1/8 WNW	C12	21
LUBA ORGANIZATION	176 JOHNSON STREET	0 - 1/8 NNW	D14	27
PEPPER & POTTER, INC	***329 GOLD ST***	***0 - 1/8 NW***	***F19***	***31***
MIM IMPORT CORP	78 PRINCE ST	1/8 - 1/4 NNW	25	38
INGERSOLL	85 NAVY WALK	1/8 - 1/4 NNE	G35	54
TA POLICE ACADEMY	***300 GOLD ST***	***1/8 - 1/4 NNW***	***K41***	***64***
84TH PRECINCT	301 GOLD ST	1/8 - 1/4 NNW	K42	67
MET TECH MOTOR	125 FLATBUSH AVENUE EXT	1/8 - 1/4 NW	L46	78
INGERSOLL HOUSES	25 MONUMENT WALK	1/8 - 1/4 NE	O56	97
WALT WHITMAN	93 SAINT EDWARD'S STREE	1/8 - 1/4 ENE	61	103

NY VCP: Voluntary Cleanup Agreements. The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

A review of the VCP list, as provided by EDR, and dated 06/29/2004 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
BROOKLYN NAVY YARD - NYC DEP	***FLUSHING AVE AT CUMBERL***	***1/4 - 1/2 NE***	***Z104***	***185***

EXECUTIVE SUMMARY

FEDERAL ASTM SUPPLEMENTAL

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 12/31/2003 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
NAVY BARRACKS BKLYN		1/2 - 1 ENE	110	189

STATE OR LOCAL ASTM SUPPLEMENTAL

SPILLS: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 07/26/2004 has revealed that there are 10 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MANHOLE 1925	MYRTLE AVE/FLATBUSH AVE	0 - 1/8 W	B4	13
MANHOLE 61101	FLATBUSH AV/MYRTLE AV	0 - 1/8 W	B5	14
APARTMENT BUILDING	175 WILLOUGHBY ST	0 - 1/8 S	E16	29

Lower Elevation	Address	Dist / Dir	Map ID	Page
HUDSON AV SUBSTATION	111 HUDSON AV	0 - 1/8 NE	6	15
MAHOLE #1929	IFO 343 GOLD ST	0 - 1/8 WNW	C9	18
MANHOLE #60331	PRINCE ST / JOHNSON A	0 - 1/8 NNW	D10	19
MANHOLE	JOHNSON ST / PRINCE S	0 - 1/8 NNW	D11	20
MOBIL OIL CORP SS #EGA	***185 FLATBUSH AVE EXT***	***0 - 1/8 WNW***	***C13***	***26***
176 JOHNSON STREET	176 JOHNSON ST	0 - 1/8 NNW	D15	28
HUDSON AVE GENERATING ST	1-11 HUDSON AVENUE	0 - 1/8 NNE	G23	36

DRYCLEANERS: A listing of all registered drycleaning facilities.

A review of the DRYCLEANERS list, as provided by EDR, and dated 06/15/2004 has revealed that there are 2 DRYCLEANERS sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
MAGIC TOUCH CLEANERS	381 BRIDGE STREET	1/8 - 1/4 WSW	M59	102
BRIDGE CLEANERS	***384 BRIDGE STREET***	***1/8 - 1/4 SW***	***R68***	***116***

PROPRIETARY DATABASES

Former Manufactured Gas (Coal Gas) Sites:
The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative

A review of the Coal Gas list, as provided by EDR, has revealed that there are 5 Coal Gas sites

within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Dist / Dir	Map ID	Page
BROOKLYN GAS LIGHT CO.	220 FRONT ST.	1/2 - 1 N	AA108	189
BROOKLYN UNION GAS LIGHT CO.	220 FRONT ST.	1/2 - 1 N	AA109	189

Lower Elevation	Address	Dist / Dir	Map ID	Page
BROOKLYN GAS LIGHT CO.	274 PLYMOUTH ST.	1/2 - 1 N	111	189
NATIONAL LEAD CO.	80 JOHN ST.	1/2 - 1 NNW	112	190
FULTON MUNICIPAL GAS CO.	263 NEVINS ST.	1/2 - 1 SSW	113	190

BROWNFIELDS DATABASES

NY VCP: Voluntary Cleanup Agreements. The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

A review of the VCP list, as provided by EDR, and dated 06/29/2004 has revealed that there is 1 VCP site within approximately 0.5 miles of the target property.

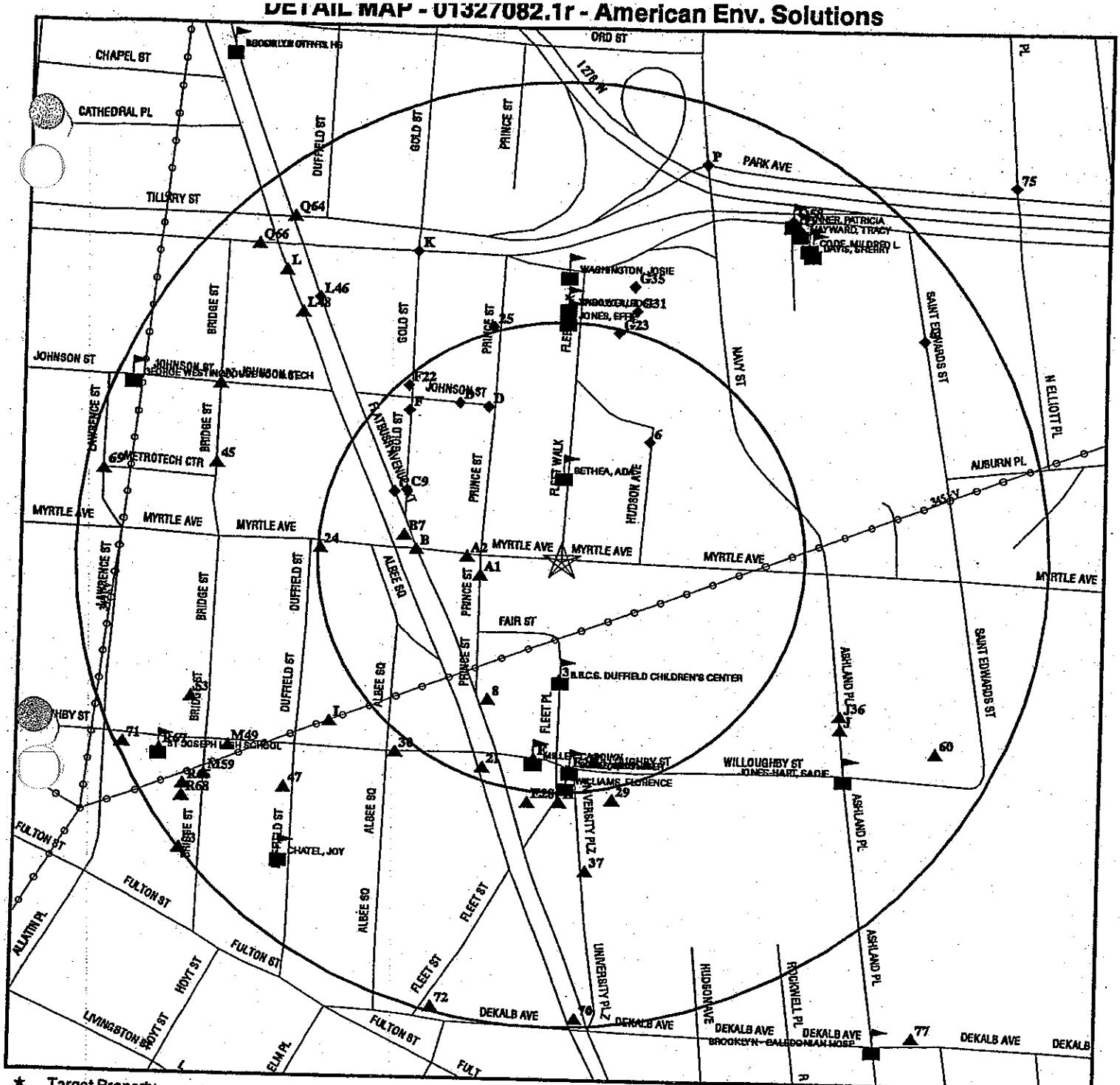
Lower Elevation	Address	Dist / Dir	Map ID	Page
BROOKLYN NAVY YARD - NYC DEP	*FLUSHING AVE AT CUMBERL*	*1/4 - 1/2 NE*	*Z104*	*185*

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
BROOKLYN NAVY YARD - 13 ACRE PARCE	SHWS
EMANUEL CELLLARD FEDERAL BUILDING	RCRA-SQG, FINDS, CERC-NFRAP
MODE/MODERN AGE CLEANERS INC.	DRYCLEANERS
INTERSECTION OF SHORE RD	LTANKS
NYCT - DEKALB AVE STATION D LINE	RCRA-SQG, FINDS
BELL ATLANTIC-NY	RCRA-SQG
NEW YORK TELEPHONE	RCRA-SQG
NYNEX-MANHOLE	RCRA-SQG
CON ED - MH 691	RCRA-SQG
NYNEX-MANHOLE	RCRA-SQG
CON ED-MH 1971	RCRA-SQG
CON ED - MH 1950	RCRA-SQG
CON ED - MH 60360	RCRA-SQG
CON ED - MH 60385	RCRA-SQG
NYSDOT REGION 2 BROOKLYN QUEENS EX	RCRA-SQG, FINDS
CON ED-MH 1947	RCRA-SQG
CON ED - NAVY ST & WILLOUGHBY ST	RCRA-SQG
MH1952	RCRA-SQG
MH1957	RCRA-SQG
M639	RCRA-SQG
MH639	RCRA-SQG
MH60182	RCRA-SQG
M801	RCRA-SQG
MH60507	RCRA-SQG
TM2470	RCRA-SQG
NYCTA-FULTON ST. / BRIDGE ST. STOR	FINDS, RCRA-LQG
ON THE BQE E/B	NY Spills
4TH AVE	NY Spills
BETWEEN AVE S & FIRST CT	NY Spills
MANHOLE 4707	NY Spills
MANHOLE #580	NY Spills
EUCLID AVE AND	NY Spills
GERRITSON & AVE U/TEXACO	NY Spills
BETWEEN PLYMOUTH & HUDSON	NY Spills
NASSAU ST	NY Spills
MANHOLE #1947	NY Spills
MANHOLE 02117	NY Spills
MANHOLE 1930	NY Spills
4 CHASE METROTEK CENTER	NY Spills
PLUM BEACH/JAMACIA BAY	NY Spills
NAVY YARD - DECK #4	NY Spills
MANHOLE #723	NY Spills

DETAIL MAP - 01327082.1r - American Env. Solutions



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Coal Gasification Sites
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites
- Dept. Defense Sites
- Indian Reservations BIA
- County Boundary
- Power transmission lines
- Oil & Gas pipelines

TARGET PROPERTY:	180 Myrtle Ave	CUSTOMER:	American Env. Solutions
ADDRESS:	180 Myrtle Ave	CONTACT:	Brian Pendergast
CITY/STATE/ZIP:	Brooklyn NY 11201	INQUIRY #:	01327082.1r
LAT/LONG:	40.6936 / 73.9818	DATE:	December 15, 2004 3:18 pm

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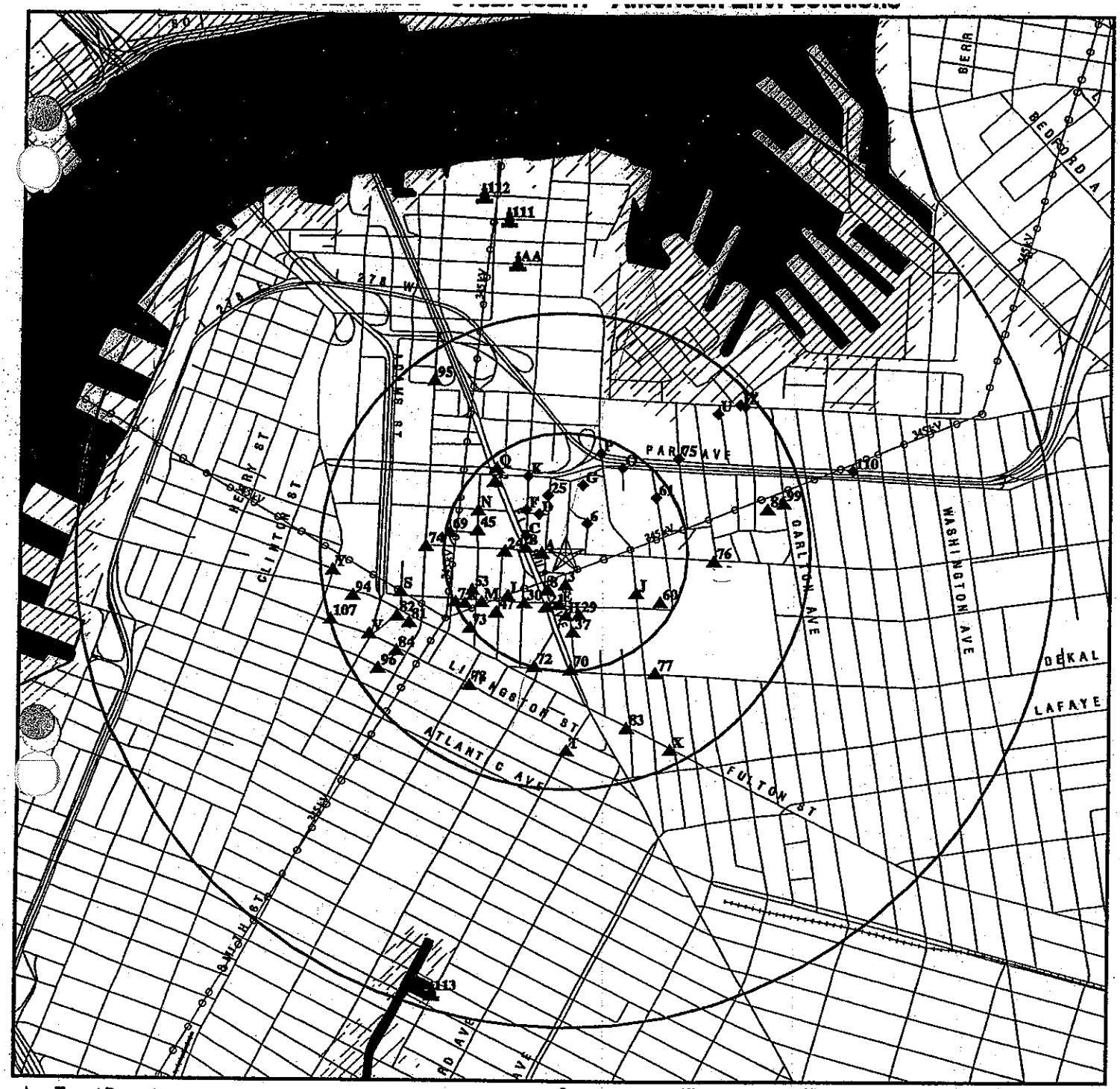

★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

Coal Gasification Sites

National Priority List Sites

Landfill Sites

Dept. Defense Sites

Indian Reservations BIA

County Boundary

Power transmission lines

Oil & Gas pipelines

100-year flood zone

500-year flood zone

Federal Wetlands

State Wetlands

TARGET PROPERTY:	180 Myrtle Ave	CUSTOMER:	American Env. Solutions
ADDRESS:	180 Myrtle Ave	CONTACT:	Brian Pendergast
CITY/STATE/ZIP:	Brooklyn NY 11201	INQUIRY #:	01327082.1r
LAT/LONG:	40.6936 / 73.9818	DATE:	December 15, 2004 3:16 pm

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MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
FEDERAL ASTM STANDARD								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.250	0	0	NR	NR	NR	0
CORRACTS		1.000	0	0	0	0	NR	0
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	0	0	NR	NR	NR	0
RCRA Sm. Quan. Gen.		0.250	5	20	NR	NR	NR	25
ERNS		TP	NR	NR	NR	NR	NR	0
STATE ASTM STANDARD								
State Haz. Waste		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LTANKS		0.500	2	9	33	NR	NR	44
UST		0.250	8	21	NR	NR	NR	29
CBS UST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	1	NR	NR	1
SWTIRE		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
FEDERAL ASTM SUPPLEMENTAL								
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
INDIAN RESERV		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	1	NR	1
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
STATE OR LOCAL ASTM SUPPLEMENTAL								
HSWDS		0.500	0	0	0	NR	NR	0

MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST		TP	NR	NR	NR	NR	NR	0
CBS AST		0.250	0	0	NR	NR	NR	0
MOSF AST		0.500	0	0	0	NR	NR	0
NY Spills		0.125	10	NR	NR	NR	NR	10
DEL SHWS		1.000	0	0	0	0	NR	0
DRYCLEANERS		0.250	0	2	NR	NR	NR	2
AIRS		TP	NR	NR	NR	NR	NR	0
SPDES		TP	NR	NR	NR	NR	NR	0
EDR PROPRIETARY HISTORICAL DATABASES								
Coal Gas		1.000	0	0	0	5	NR	5
BROWNFIELDS DATABASES								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
Brownfields		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	1	NR	NR	1

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
A1 WSW < 1/8 223 ft.	147 PRINCE ST. 147 PRINCE STREET BROOKLYN, NY 11201	UST	U003790758 N/A

Site 1 of 2 in cluster A

Relative: Higher

Actual: 33 ft.

PBS UST:

PBS Number:	2-600220	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	A. TAUROG (718) 237-8833		
Emergency Contact:	A. TAUROG (718) 858-9805		
Total Tanks:	0		
Owner:	147 PRINCE ST. LLC 54 PEARL ST. BROOKLYN, NY 11201 (718) 858-9805		
Owner Type:	Not reported		
Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	147 PRINCE ST. LLC ATTN: A. TAUROG 54 PEARL STREET BROOKLYN, NY 11201 (718) 858-9805		
Tank Status:	Closed - In Place		
Capacity (gals):	2500		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Above/Underground Combination	Pipe Type:	STEEL/IRON
Tank External:	PAINTED/ASPHALT COATING		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Vent Whistle	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	04/11/2001	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	06/27/2006
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS OWNHIST

Operator:	HERMAN SCHWABE INDUSTRIES,INC

147 PRINCE ST. (Continued) U003790758

Emergency:	HERMAN SCHWABE INDUSTRIES,INC		
Emergency Tel:	(718) 237-1700	Old PBSNO:	Not reported
Facility Type:	OTHER		
Facility Owner:	RONJER INDUSTRIES, INC.		
Facility Address:	147 PRINCE STREET 147 PRINCE STREET BROOKLYN, NY 11201		
Inspector:	Not reported	Inspect Date:	Not reported
Insp Result:	Not reported	Federal ID:	11-2072681
Owner:	RONJER INDUSTRIES, INC.		
Owner Tel:	(718) 237-1700	Owner Type:	Corporate/Commercial
Owner Subtype:	Not reported		
Mail Address:	HERMAN SCHWABE INDUSTRIES,INC 147 PRINCE STREET BROOKLYN, NY 11201 EDGAR HAAS (718) 237-1700		
Owner Mark:	First Owner		
Certify Date:	07/17/2001	Expiration:	07/17/2001
Total Capacity (Gal):	2500		

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported
County Facility:	6101
Facility Phone :	(718) 237-1700
Num of Active Tanks :	1
Facility Owner:	RONJER INDUSTRIES, INC.
Facility Address:	147 PRINCE STREET BROOKLYN, NY 11201
Owner Phone:	(718) 237-1700
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr In Computer :	06/27/2001
Facility Record Updated:	True

A2
West
< 1/8
256 ft.

R & P DRY CLEANERS RCRA-SQG 1004762355
167 MYRTLE AVE FINDS NYR000096099
BROOKLYN, NY 11201

Site 2 of 2 in cluster A

Relative:
Higher

Actual:
32 ft.

RCRAInfo:

Owner:	CESAR BRITO 718225777
EPA ID:	NYR000096099
Contact:	REYNALDO VASQUEZ (718) 625-6885
Classification:	Conditionally Exempt Small Quantity Generator
TSDF Activities:	Not reported

R & P DRY CLEANERS (Continued) 1004762355

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

---

3 South < 1/8 344 ft. **NEW YORK TELEPHONE**
101 FLEET PLACE
BROOKLYN, NY 11201

UST U000417939
N/A

Relative: Higher

Actual: 40 ft.

PBS UST:

PBS Number:	2-344176	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	NEW YORK TELEPHONE (718) 330-8383		
Emergency Contact:	NEW YORK TELEPHONE (914) 789-6140		
Total Tanks:	0		
Owner:	NEW YORK TELEPHONE 111 LIVINGSTON ST ROOM 720 BROOKLYN, NY 11201 (718) 330-8383		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	New York Telephone		
Mailing Address:	101 FLEET PLACE ASSOCIATES ATTN: MR. SIDNEY FELDSHUH 235 MOORE STREET ROOM 720 HACKENSACK, NJ 07601 (718) 330-8383		
Tank Status:	Closed - Removed		
Capacity (gals):	1200		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	12/14/1987

NEW YORK TELEPHONE (Continued) U000417939

Old PBS Number:	Not reported	Expiration Date:	12/14/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-344176	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	NEW YORK TELEPHONE (718) 330-8383		
Emergency Contact:	NEW YORK TELEPHONE (914) 789-6140		
Total Tanks:	0		
Owner:	NEW YORK TELEPHONE 111 LIVINGSTON ST ROOM 720 BROOKLYN, NY 11201 (718) 330-8383		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	New York Telephone		
Mailing Address:	101 FLEET PLACE ASSOCIATES ATTN: MR. SIDNEY FELDSHUH 235 MOORE STREET ROOM 720 HACKENSACK, NJ 07601 (718) 330-8383		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	12/14/1987
Old PBS Number:	Not reported	Expiration Date:	12/14/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		

NEW YORK TELEPHONE (Continued) U000417939

Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-344176	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	NEW YORK TELEPHONE (718) 330-8383		
Emergency Contact:	NEW YORK TELEPHONE (914) 789-6140		
Total Tanks:	0		
Owner:	NEW YORK TELEPHONE 111 LIVINGSTON ST ROOM 720 BROOKLYN, NY 11201 (718) 330-8383		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	New York Telephone		
Mailing Address:	101 FLEET PLACE ASSOCIATES ATTN: MR. SIDNEY FELDSHUH 235 MOORE STREET ROOM 720 HACKENSACK, NJ 07601 (718) 330-8383		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	12/14/1987
Old PBS Number:	Not reported	Expiration Date:	12/14/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

NEW YORK TELEPHONE (Continued) U000417939

PBS Number:	2-344176	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	NEW YORK TELEPHONE (718) 330-8383		
Emergency Contact:	NEW YORK TELEPHONE (914) 789-6140		
Total Tanks:	0		
Owner:	NEW YORK TELEPHONE 111 LIVINGSTON ST ROOM 720 BROOKLYN, NY 11201 (718) 330-8383		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	New York Telephone		
Mailing Address:	101 FLEET PLACE ASSOCIATES ATTN: MR. SIDNEY FELDSHUH 235 MOORE STREET ROOM 720 HACKENSACK, NJ 07601 (718) 330-8383		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	02/01/1933	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	12/14/1987
Old PBS Number:	Not reported	Expiration Date:	12/14/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-344176	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	NEW YORK TELEPHONE (718) 330-8383		

NEW YORK TELEPHONE (Continued) U000417939

Emergency Contact: NEW YORK TELEPHONE
(914) 789-6140
Total Tanks: 0
Owner: NEW YORK TELEPHONE
111 LIVINGSTON ST ROOM 720
BROOKLYN, NY 11201
(718) 330-8383
Owner Type: Not reported
Owner Mark: First Owner
Owner Subtype: New York Telephone
Mailing Address: 101 FLEET PLACE ASSOCIATES
ATTN: MR. SIDNEY FELDSHUH
235 MOORE STREET
ROOM 720
HACKENSACK, NJ 07601
(718) 330-8383
Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 005
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 1
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: 2
Date Tested: Not reported
Date Closed: 03/01/1993
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 0
Tank Screen: 0
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: Not reported
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: Not reported
Product Stored: UNLEADED GASOLINE
Pipe Internal: Not reported
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: Minor data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: Minor data missing
Certification Date: 12/14/1987
Expiration Date: 12/14/1992
Inspector: Not reported

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
1 additional NY PBS record(s) in the EDR Site Report.

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
B4 West < 1/8 394 ft.	MANHOLE 1925 MYRTLE AVE/FLATBUSH AVE BROOKLYN, NY	NY Spills	S104952340 N/A

Relative: Higher

Actual: 33 ft.

Site 1 of 3 in cluster B

SPILLS:

Spill Number: 0011520
Spill Date: 01/25/2001 00:15
ID: Not reported
Dt Call Received: Not reported
Material Spilled 1 Not reported
Spill Cause: Unknown
Water Affected: Not reported
Facility Contact: UNK
Investigator: FOLEY
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: CALLER
Spiller: UNK
Spiller Address: UNK
UNK

Region of Spill: 2
Reported to Dept: 01/25/01 00:58
Region Close Date Not reported
Amount Spilled 1 : Not reported
Resource Affected: On Land
Spill Source: Unknown
Facility Tele: (000) 000-0000
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported

DEC Remarks : e2mis Notes: Approx 2 pints of unknown oil on 200gal water in MH-1925. 2 samples taken for PCB and ID. PCB result returned as <1ppm. Cleanup completed by double washing structure with slix. Liquids removed by tanker and solids removed by vactor.
KMF 4/10/01

Remark: discovered 2 pints of unk oil in a manhole clean up pending test results con ed 135214

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 1
Units: Gallons
Unknown Qty Spilled: Yes
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: Petroleum
Chem Abstract Service Number: UNKNOWN PETROLEUM
Last Date: 09/29/1994
Num Times Material Entry In File: 16414

Spill Closed Dt: 03/14/01
Spill Notifier: Affected Persons
Cleanup Ceased: / /
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /

PBS Number: Not reported
Cleanup Meets Std:False
Enforcement Date: / /

MANHOLE 1925 (Continued) — S104952340

Invstgn Complete:/ /
Spill Record Last Update: 04/10/01
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/25/01
Date Region Sent Summary to Central Office: / /
True Date : Not reported
UST Involvement: False

B5 West < 1/8 394 ft.

MANHOLE 61101
FLATBUSH AV/MYRTLE AV
BROOKLYN, NY

NY Spills — S104953040 / N/A

Relative: Higher

Actual: 33 ft.

Site 2 of 3 in cluster B

SPILLS:

Spill Number: 0012572
Spill Date: 02/25/2001 08:00
ID: Not reported
Dt Call Received: Not reported
Material Spilled 1 :Not reported
Spill Cause: Unknown
Water Affected: Not reported
Facility Contact: Not reported
Investigator: O'CONNELL
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: ANTHONY NATALIE
Spiller: UNKNOWN
Spiller Address: -
DEC Remarks : Not reported
Remark: 1 QT ON 150 GALS OF WATER. CLEAN UP PENDING. NO SEWER/WATERWAYS. CON ED 135686
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Region of Spill: 2
Reported to Dept: 02/25/01 08:51
Region Close Date Not reported
Amount Spilled 1 : Not reported
Resource Affected: On Land
Spill Source: Unknown
Facility Tele: ( ) -
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: (212) 580-6763

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 1
Units: Gallons
Unknown Qty Spilled: Yes
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: UNKNOWN PETROLEUM
Class Type: Petroleum
Chem Abstract Service Number: UNKNOWN PETROLEUM
Last Date: 09/29/1994
Num Times Material Entry In File: 16414

Spill Closed Dt: 07/16/01
Spill Notifier: Affected Persons
Cleanup Ceased: / /
PBS Number: Not reported

MANHOLE 61101 (Continued) S104953040

Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 07/16/01
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 02/25/01
Date Region Sent Summary to Central Office: / /
True Date : Not reported

Cleanup Meets Std:False
Enforcement Date: / /
UST Involvement: False

This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

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6 NE < 1/8 407 ft. **HUDSON AV SUBSTATION**
111 HUDSON AV
BROOKLYN, NY

NY Spills S104881276
N/A

Relative: Lower
Actual: 23 ft.

SPILLS:
Spill Number: 0010711
Spill Date: 12/26/2000 13:25
ID: Not reported
Dt Call Received: Not reported
Material Spilled 1 Not reported
Spill Cause: Equipment Failure
Water Affected: Not reported
Facility Contact: SAME
Investigator: OKWUOHA
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: STEVE ROMERO
Spiller: CON ED
Spiller Address: 4 IRVING PLACE
MANHATTAN, NY
DEC Remarks : Not reported
Remark: LEAK ON FILL LINE BREAKER 2 - UNK PCB COUNT - CON ED 134891 NO SEWERS OR WATERWAYS
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Region of Spill: 2
Reported to Dept: 12/26/00 14:19
Region Close Date Not reported
Amount Spilled 1 : Not reported
Resource Affected: On Land
Spill Source: Other Commercial/Industrial
Facility Tele: (212) 580-6763
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: (212) 580-6763

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 1
Units: Gallons
Unknown Qty Spilled: Yes
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIELECTRIC FLUID

HUDSON AV SUBSTATION (Continued) — S104881276

Class Type: Petroleum
Chem Abstract Service Number: DIELECTRIC FLUID
Last Date: Not reported
Num Times Material Entry In File: 41
Spill Closed Dt: / /
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt: / /
Enforcement Date: / /
Invstgn Complete: / /
UST Involvement: False
Spill Record Last Update: 12/28/00
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 12/26/00
Date Region Sent Summary to Central Office: / /
True Date: Not reported

B7
West
< 1/8
432 ft.

Relative: Higher

Actual: 32 ft.

CHASE MANHATTAN BANK
4 CHASE METROTECH CENTER
BROOKLYN, NY 11245

RCRA-SQG 1000990606
FINDS NY0001016641

Site 3 of 3 in cluster B

RCRAInfo:
Owner: CHASE MANHATTAN BANK
(718) 242-5152
EPA ID: NY0001016641
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

8
SSW
< 1/8
443 ft.

Relative: Higher

Actual: 45 ft.

N Y TELEPHONE
101 FLEET PL
BKLN, NY

LTANKS S100167692
N/A

LTANKS:
Spill Number: 8902455
Region of Spill: 2
Spill Date: 06/08/1989 14:00
Reported to Dept: 06/09/89 06:38
ID: Not reported
Date Call Received: Not reported
Material Spilled 1: Not reported
Amount Spilled 1: Not reported
Region Close Dt: Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Facility Contact: Not reported
Facility Tele: (718) 330-8474

N Y TELEPHONE (Continued) S100167692

Investigator: SULLIVAN
SWIS: 61
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: SAME
Spiller Address: ROGER BEAUDRY
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
PBS Number: 2-344176
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 11/13/92
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 06/09/89
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: ONE 2K TANK, AIR PRESSURE LOSS = 4LBS. FOUR 550 GAL TANKS - PRESSURE LOSS = 3LBS.

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
C9 WNW < 1/8 462 ft.	MAHOLE #1929 IFO 343 GOLD ST BROOKLYN, NY	NY Spills	S104952253 N/A

Site 1 of 3 in cluster C

Relative: Lower

Actual: 30 ft.

SPILLS:

Spill Number:	0011382	Region of Spill:	2
Spill Date:	01/19/2001 11:30	Reported to Dept:	01/19/01 12:03
ID:	Not reported		
Dt Call Received:	Not reported	Region Close Date	Not reported
Material Spilled 1 :	Not reported	Amount Spilled 1 :	Not reported
Spill Cause:	Unknown	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Unknown
Facility Contact:	UNK	Facility Tele:	(000) 000-0000
Investigator:	FOLEY	SWIS:	61
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS :	Not reported		
Spiller Contact:	CHARLIE MCCARTHY	Spiller Phone:	(212) 580-6763
Spiller:	UNK		
Spiller Address:	UNK UNK		
DEC Remarks :	Not reported		
Remark:	8 gals not on any water - sample taken - clean up pending lab results con ed 135168		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	8
Units:	Gallons
Unknown Qty Spilled:	8
Quantity Recovered:	0
Unknown Qty Recovered:	False
Material:	UNKNOWN PETROLEUM
Class Type:	Petroleum
Chem Abstract Service Number:	UNKNOWN PETROLEUM
Last Date:	09/29/1994
Num Times Material Entry In File:	16414

Spill Closed Dt:	/ /		
Spill Notifier:	Local Agency	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /	Cleanup Meets Std:	False
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Dt:	/ /	Enforcement Date:	/ /
Invstgn Complete:	/ /	UST Involvement:	False
Spill Record Last Update:	01/22/01		
Is Updated:	False		
Corrective Action Plan Submitted:	/ /		

MAHOLE #1929 (Continued) S104952253

Date Spill Entered In Computer Data File: 01/19/01
Date Region Sent Summary to Central Office: / /
True Date : Not reported

D10 NNW < 1/8 473 ft. **MANHOLE #60331**
PRINCE ST / JOHNSON AVE
BROOKLYN, NY

NY Spills S104510317
N/A

Relative: Lower

Actual: 24 ft.

Site 1 of 4 in cluster D

SPILLS:

Spill Number:	9913484	Region of Spill:	2
Spill Date:	02/28/2000 16:04	Reported to Dept:	02/28/00 17:32
ID:	Not reported		
Dt Call Received:	Not reported	Region Close Date	Not reported
Material Spilled 1 :	Not reported	Amount Spilled 1 :	Not reported
Spill Cause:	Equipment Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Facility Contact:	MARK SCHLEGEL	Facility Tele:	(212) 580-6763
Investigator:	O'CONNELL	SWIS:	61
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS :	Not reported		
Spiller Contact:	MARK SCHLEGEL	Spiller Phone:	(212) 580-6763
Spiller:	MANHOLE #60331		
Spiller Address:	PRINCE ST & JOHNSON AVE BROOKLYN		
DEC Remarks :	Not reported		
Remark:	SPILL WAS DUE TO A FAULTY CABLE-SAMPLE TAKEN-CLEANUP PENDING LAB RESULTS- CON ED 130171.		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	0
Units:	Gallons
Unknown Qty Spilled:	No
Quantity Recovered:	0
Unknown Qty Recovered:	True
Material:	DIELECTRIC FLUID
Class Type:	Petroleum
Chem Abstract Service Number:	DIELECTRIC FLUID
Last Date:	Not reported
Num Times Material Entry In File:	41

Spill Closed Dt:	/ /		
Spill Notifier:	Responsible Party	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /	Cleanup Meets Std:	False
Recommended Penalty:	Penalty Not Recommended		
Spiller Cleanup Dt:	/ /	Enforcement Date:	/ /

MANHOLE #60331 (Continued) S104510317

Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: 03/01/00
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 02/28/00
Date Region Sent Summary to Central Office: / /
True Date : Not reported

D11 NNW < 1/8 473 ft. **MANHOLE** **NY Spills** **S104510346**
JOHNSON ST / PRINCE ST **N/A**
BROOKLYN, NY

Relative: Lower

Actual: 24 ft.

Site 2 of 4 in cluster D

SPILLS:

Spill Number:	9913524	Region of Spill:	2
Spill Date:	02/29/2000 13:15	Reported to Dept:	02/29/00 14:14
ID:	Not reported		
Dt Call Received:	Not reported	Region Close Date	Not reported
Material Spilled 1 :	Not reported	Amount Spilled 1 :	Not reported
Spill Cause:	Equipment Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Facility Contact:	Not reported	Facility Tele:	( ) -
Investigator:	O'CONNELL	SWIS:	61
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS :	Not reported		
Spiller Contact:	BRIAN JOYCE	Spiller Phone:	(212) 580-6763
Spiller:	CON ED		
Spiller Address:	4 IRVING PL NEW YORK, NY		
DEC Remarks :	2/29/00, 2350 hrs: Update from Mike Caesar, Con Ed CIG - PCB count 189 ppm.		
Remark:	LEAK IN CABLE - SPILL CONTAINED IN MANHOLE - CLEAN UP PENDING LAB RESULTS - CON ED 130185 - THERE IS MUD IN MANHOLE		
Spill Class:	Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	1
Units:	Gallons
Unknown Qty Spilled:	Yes
Quantity Recovered:	0
Unknown Qty Recovered:	False
Material:	DIELECTRIC FLUID
Class Type:	Petroleum
Chem Abstract Service Number:	DIELECTRIC FLUID
Last Date:	Not reported
Num Times Material Entry In File:	41

MANHOLE (Continued) S104510346

Spill Closed Dt: / /
Spill Notifier: Responsible Party
Cleanup Ceased: / /
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 03/01/00
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 02/29/00
Date Region Sent Summary to Central Office: / /
True Date : Not reported

PBS Number: Not reported
Cleanup Meets Std:False
Enforcement Date: / /
UST Involvement: False

C12 WNW < 1/8 491 ft. **EXXONMOBIL S/S 17-EGA**
185 FLATBUSH AVE EXT
BROOKLYN, NY 11201

UST U001839151
N/A

Site 2 of 3 in cluster C

Relative: Lower

Actual: 30 ft.

PBS UST:
PBS Number: 2-157783
SPDES Number: Not reported
Operator: WENKO TSAI
(718) 858-6452
Emergency Contact: EXXONMOBIL OIL CORP.
(800) 662-4567
Total Tanks: 7
Owner: EXXONMOBIL OIL CORP
3225 GALLOWS RD.
FAIRFAX, VA 22037
(703) 849-5862
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Mobil Oil Company
Mailing Address: EXXONMOBIL OIL CORP. C/O NDE ENVIRON.
ATTN: EMILY MILLER
P. O. BOX 142667
AUSTIN, TX 78714
(800) 800-4633
Tank Status: In Service
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 700
Tank Type: Fiberglass reinforced plastic [FRP]
Tank Internal: NONE
Pipe Location: Not reported
Tank External: NONE/FIBERGLASS
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE/DOUBLED-WALLED TANK
Leak Detection: NONE/INTERSTITIAL MONITORING
Overfill Prot: Float Vent Valve, Catch Basin
Date Tested: Not reported
Date Closed: Not reported
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 21550

CBS Number: Not reported
SWIS ID: 6101
Install Date: 10/01/1988
Product Stored: USED OIL
Pipe Internal: Not reported
Pipe Type: Not reported
Dispenser: Not reported
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing
Renewal Date: Not reported

EXXONMOBIL S/S 17-EGA (Continued) U001839151

Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/01/1999
Old PBS Number:	Not reported	Expiration Date:	10/29/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-157783	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	WENKO TSAI (718) 858-6452		
Emergency Contact:	EXXONMOBIL OIL CORP. (800) 662-4567		
Total Tanks:	7		
Owner:	EXXONMOBIL OIL CORP 3225 GALLOWS RD. FAIRFAX, VA 22037 (703) 849-5862		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Mobil Oil Company		
Mailing Address:	EXXONMOBIL OIL CORP. C/O NDE ENVIRON. ATTN: EMILY MILLER P. O. BOX 142667 AUSTIN, TX 78714 (800) 800-4633		
Tank Status:	In Service		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	100	Install Date:	10/01/1988
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	Not reported
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/FIBERGLASS		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	IMPRESSED CURRENT		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Prot:	Float Vent Valve, Catch Basin	Dispenser:	Submersible
Date Tested:	10/01/1990	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	21550	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/01/1999
Old PBS Number:	Not reported	Expiration Date:	10/29/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		

EXXONMOBIL S/S 17-EGA (Continued) U001839151

Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-157783	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	WENKO TSAI (718) 858-6452		
Emergency Contact:	EXXONMOBIL OIL CORP. (800) 662-4567		
Total Tanks:	7		
Owner:	EXXONMOBIL OIL CORP 3225 GALLOWS RD. FAIRFAX, VA 22037 (703) 849-5862		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Mobil Oil Company		
Mailing Address:	EXXONMOBIL OIL CORP. C/O NDE ENVIRON. ATTN: EMILY MILLER P. O. BOX 142667 AUSTIN, TX 78714 (800) 800-4633		
Tank Status:	In Service		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	200	Install Date:	10/01/1988
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/FIBERGLASS		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	NONE/IMPRESSED CURRENT		
Second Containment:	NONE/DOUBLED-WALLED TANK		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Prot:	Float Vent Valve, Catch Basin	Dispenser:	Submersible
Date Tested:	10/01/1990	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	21550	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/01/1999
Old PBS Number:	Not reported	Expiration Date:	10/29/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

EXXONMOBIL S/S 17-EGA (Continued) U001839151

PBS Number:	2-157783	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	WENKO TSAI (718) 858-6452		
Emergency Contact:	EXXONMOBIL OIL CORP. (800) 662-4567		
Total Tanks:	7		
Owner:	EXXONMOBIL OIL CORP 3225 GALLOWS RD. FAIRFAX, VA 22037 (703) 849-5862		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Mobil Oil Company		
Mailing Address:	EXXONMOBIL OIL CORP. C/O NDE ENVIRON. ATTN: EMILY MILLER P. O. BOX 142667 AUSTIN, TX 78714 (800) 800-4633		
Tank Status:	In Service		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	300	Install Date:	10/01/1988
Tank Type:	Fiberglass reinforced plastic [FRP]	Product Stored:	UNLEADED GASOLINE
Tank Internal:	FIBERGLASS LINER [FRP]	Pipe Internal:	Not reported
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	FIBERGLASS		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	IMPRESSED CURRENT		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING		
Overfill Prot:	Float Vent Valve, Catch Basin	Dispenser:	Submersible
Date Tested:	10/01/1990	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	21550	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/01/1999
Old PBS Number:	Not reported	Expiration Date:	10/29/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-157783	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	WENKO TSAI (718) 858-6452		
Emergency Contact:	EXXONMOBIL OIL CORP.		

EXXONMOBIL S/S 17-EGA (Continued) U001839151

	(800) 662-4567
Total Tanks:	7
Owner:	EXXONMOBIL OIL CORP 3225 GALLOWS RD. FAIRFAX, VA 22037 (703) 849-5862
Owner Type:	Corporate/Commercial
Owner Mark:	First Owner
Owner Subtype:	Mobil Oil Company
Mailing Address:	EXXONMOBIL OIL CORP. C/O NDE ENVIRON. ATTN: EMILY MILLER P. O. BOX 142667 AUSTIN, TX 78714 (800) 800-4633
Tank Status:	In Service
Capacity (gals):	4000
Tank Location:	UNDERGROUND
Tank Id:	400
Tank Type:	Fiberglass reinforced plastic [FRP]
Tank Internal:	FIBERGLASS LINER [FRP]
Pipe Location:	Underground
Tank External:	FIBERGLASS
Missing Data for Tank:	Minor Data Missing
Pipe External:	NONE/IMPRESSED CURRENT
Second Containment:	DOUBLED-WALLED TANK
Leak Detection:	INTERSTITIAL MONITORING
Overfill Prot:	Float Vent Valve, Catch Basin
Date Tested:	10/01/1990
Date Closed:	Not reported
Deleted:	False
Dead Letter:	False
FAMT:	Fiscal amount for registration fee is correct
Total Capacity:	21550
Tank Screen:	Minor data missing
Renew Flag:	Renwal has not been printed
Certification Flag:	False
Old PBS Number:	Not reported
Inspected Date:	Not reported
Inspection Result:	Not reported
Lat/long:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Town or City:	NEW YORK CITY
Town or City Code:	01
County Code:	61
Region:	2

Install Date:	10/01/1988
Product Stored:	UNLEADED GASOLINE
Pipe Internal:	Not reported
Pipe Type:	GALVANIZED STEEL
Dispenser:	Submersible
Next Test Date:	Not reported
Test Method:	Not reported
Updated:	True
Owner Screen:	No data missing
Renewal Date:	Not reported
Federal ID:	Not reported
Facility Screen:	No data missing
Certification Date:	02/01/1999
Expiration Date:	10/29/2002
Inspector:	Not reported

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
18 additional NY PBS record(s) in the EDR Site Report.

C13 WNW < 1/8 491 ft. — **MOBIL OIL CORP SS #EGA**, **185 FLATBUSH AVE EXT**, **BROOKLYN, NY 11201** — **RCRA-SQG** 1000553833; **FINDS** NYD986962678; **NY Spills**

Site 3 of 3 in cluster C

Relative: Lower

Actual: 30 ft.

RCRAInfo:

Owner: MOBIL OIL CORP
(703) 849-3330
EPA ID: NYD986962678

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
Resource Conservation and Recovery Act Information system

SPILLS:

Spill Number:	0102640	Region of Spill:	2
Spill Date:	05/31/2001	Reported to Dept:	06/08/01 16:37
ID:	Not reported		
Dt Call Received:	Not reported	Region Close Date	Not reported
Material Spilled 1 :	Not reported	Amount Spilled 1 :	Not reported
Spill Cause:	Unknown	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Gas Station
Facility Contact:	DENISE GRADLE	Facility Tele:	(516) 876-4653
Investigator:	SIGONA	SWIS:	61
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS :	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	(718) 858-6452
Spiller:	EXXON MOBIL		
Spiller Address:	-		
DEC Remarks :	Not reported		

Remark: FINLEY NICOL WAS ON SITE DOING SOME REPAIRS TO A CATCH BASIN. SOIL CONTAMINATION WAS FOUND IN THE CATCH BASIN. 2 DRUMS OF CONTAMINATED SOIL WERE REMOVED.

Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	0
Units:	Gallons
Unknown Qty Spilled:	No
Quantity Recovered:	0
Unknown Qty Recovered:	True

MOBIL OIL CORP SS #EGA (Continued) 1000553833

Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 06/11/01
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 06/08/01
Date Region Sent Summary to Central Office: / /
True Date : Not reported

PBS Number: Not reported
Cleanup Meets Std:False
Enforcement Date: / /
UST Involvement: False

D14
NNW
< 1/8
520 ft.

LUBA ORGANIZATION
176 JOHNSON STREET
BROOKLYN, NY 11201

UST U001831697
N/A

Site 3 of 4 in cluster D

Relative:
Lower

Actual:
25 ft.

PBS UST:
PBS Number: 2-062847
SPDES Number: Not reported
Operator: PEDRO SILVA
(718) 624-7059
Emergency Contact: MARTY GURARU
(212) 840-1117
Total Tanks: 1
Owner: LUBA ORGANIZATION
48 WEST 48TH STREET
NEW YORK, NY 10036
(212) 840-1117
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: LUBA ORGANIZATION
ATTN: SUPER FACILITY MANAGER
176 JOHNSON STREET
BROOKLYN, NY 11201
(718) 624-7059
Tank Status: In Service
Capacity (gals): 5000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: None
Tank External: NONE/NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE/NONE
Second Containment: NONE/NONE
Leak Detection: NONE/NONE
Overfill Prot: Product Level Gauge
Date Tested: 01/01/1995

CBS Number: Not reported
SWIS ID: 6101

Install Date: Not reported
Product Stored: NOS 1,2, OR 4 FUEL OIL
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: 01/01/2000

LUBA ORGANIZATION (Continued) U001831697

Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	5000	Renewal Date:	11/13/2001
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/14/1998
Old PBS Number:	Not reported	Expiration Date:	03/10/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	MANUFACTURING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

D15
NNW
< 1/8
520 ft.

176 JOHNSON STREET
176 JOHNSON ST
BROOKLYN, NY

NY Spills **S102142103**
N/A

Site 4 of 4 in cluster D

Relative:
Lower

Actual:
25 ft.

SPILLS:

Spill Number:	8909452	Region of Spill:	2
Spill Date:	12/30/1989 11:30	Reported to Dept:	12/30/89 13:28
ID:	Not reported		
Dt Call Received:	Not reported	Region Close Date	Not reported
Material Spilled 1 :	Not reported	Amount Spilled 1 :	Not reported
Spill Cause:	Human Error	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Private Dwelling
Facility Contact:	Not reported	Facility Tele:	(212) 328-3275
Investigator:	SIGONA	SWIS:	61
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS :	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	MB TRUCKING		
Spiller Address:	Not reported		
DEC Remarks :	12/31/89: COMPANY SPILL TEAM CLEANING UP SPILL.		
Remark:	CUSTOMER OVERORDERED RESULTING IN OVERFLOW.		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	10
Units:	Gallons
Unknown Qty Spilled:	10
Quantity Recovered:	0

176 JOHNSON STREET (Continued) S102142103

Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
Spill Closed Dt: 12/08/92
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: 12/08/92
Last Inspection: / /
Cleanup Meets Std:True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: 12/10/92
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/10/90
Date Region Sent Summary to Central Office: / /
True Date : Not reported

E16
South
< 1/8
568 ft.

Relative:
Higher

Actual:
47 ft.

APARTMENT BUILDING
175 WILLOUGHBY ST
BROOKLYN, NY

NY Spills S106125159
N/A

Site 1 of 4 in cluster E

SPILLS:
Spill Number: 0311295
Region of Spill: 2
Tank Number: Not reported
Tank Size : Not reported
Test Method: Not reported
Leak Rate: Not reported
Spill Date: 11/04/03
Reported to Dept: / /
ID: 34720
Date Call Received: 01/06/04
Region Close Date : 01/08/04
Material Spilled 1 #2 FUEL OIL
Amount Spilled 1 : Unknown lbs.
Spill Cause: AIR
Resource Affected: AIR
Water Affected: Not reported
Spill Source: OTHER NON COMM/INSTITUTIONAL
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

E17
South
< 1/8
568 ft.

Relative:
Higher

Actual:
47 ft.

UNIVERSITY TOWERS APTS
175 WILLOUGHBY ST
BROOKLYN, NY 11201

UST U000416885
N/A

Site 2 of 4 in cluster E

PBS UST:
PBS Number: 2-210943
CBS Number: Not reported
SPDES Number: Not reported
SWIS ID: 6101
Operator: TOWERS MANAGEMENT CORP
(718) 522-0320
Emergency Contact: MICHAEL A. URENA
(718) 738-3706
Total Tanks: 1
Owner: UNIVERSITY TOWERS APTS CORP.
505 PARK AVE.

UNIVERSITY TOWERS APTS (Continued) U000416885

NEW YORK, NY 10022
(212) 838-0200

Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	UNIVERSITY TOWERS APTS CORP. 505 PARK AVE. NEW YORK, NY 10022 (212) 838-0200		
Tank Status:	In Service		
Capacity (gals):	20000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1961
Tank Type:	Steel/carbon steel	Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Internal:	EPOXY LINER	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	JACKETED		
Missing Data for Tank:	No Missing Data		
Pipe External:	WRAPPED [PIPING]		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	08/13/1997
Old PBS Number:	Not reported	Expiration Date:	06/30/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	APARTMENT BUILDING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

F18
NW
< 1/8
589 ft.

PEPPER & POTTER INC
329 GOLD ST
BROOKLYN, NY 11201

RCRA-SQG 1000346041
FINDS NYD981492572

Site 1 of 3 in cluster F

Relative:
Lower

Actual:
27 ft.

PEPPER & POTTER INC (Continued) 1000346041

RCRAInfo:
Owner: PEPPER & POTTER INC
(212) 555-1212
EPA ID: NYD981492572
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

F19 NW < 1/8 589 ft. **PEPPER & POTTER, INC**
329 GOLD ST
BKLN, NY 11201

UST U003074772
AST N/A

Site 2 of 3 in cluster F

Relative: Lower
Actual: 27 ft.

PBS UST:

PBS Number:	2-350648	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	METECH MOTORS INC. (718) 834-5790		
Emergency Contact:	ROBERT M POTTER (718) 638-1337		
Total Tanks:	0		
Owner:	329 GOLD ST ASSOCS 125 FLATBUSH AV EXT BKLN, NY 11201 (718) 834-5770		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	329 GOLD ST ASSOCS 125 FLATBUSH AV EXT BKLN, NY 11201 (718) 834-5770		
Tank Status:	Closed - Removed		
Capacity (gals):	1080		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	10/01/1993
Tank Type:	Steel/carbon steel	Product Stored:	OTHER
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	11/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		

PEPPER & POTTER, INC (Continued) U003074772

Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/12/1993
Old PBS Number:	Not reported	Expiration Date:	06/28/1998
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER RETAIL SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-350648	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	METECH MOTORS INC. (718) 834-5790		
Emergency Contact:	ROBERT M POTTER (718) 638-1337		
Total Tanks:	0		
Owner:	329 GOLD ST ASSOCS 125 FLATBUSH AV EXT BKLN, NY 11201 (718) 834-5770		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	329 GOLD ST ASSOCS 125 FLATBUSH AV EXT BKLN, NY 11201 (718) 834-5770		
Tank Status:	Closed - Removed		
Capacity (gals):	1500		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	10/01/1993
Tank Type:	Steel/carbon steel	Product Stored:	LUBE OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	Not reported
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	11/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/12/1993
Old PBS Number:	Not reported	Expiration Date:	06/28/1998
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		

PEPPER & POTTER, INC (Continued) U003074772

Lat/long:	Not reported
Facility Type:	OTHER RETAIL SALES
Town or City:	NEW YORK CITY
Town or City Code:	01
County Code:	61
Region:	2

PBS AST:

PBS Number:	2-350648	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6101
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	2 - Unregulated by PBS (the total capacity is less than 1,101 gallons) and Subpart 360-14.		
Facility Type:	OTHER RETAIL SALES		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	329 GOLD ST ASSOCS 125 FLATBUSH AV EXT BKLN, NY 11201		
Owner Phone:	(718) 834-5770		
Facility Phone:	(718) 834-5790		
Operator:	METECH MOTORS INC.		
Emergency Name:	ROBERT M POTTER		
Emergency Phone:	(718) 638-1337		
Total Tanks:	0		
Total Capacity:	0		
Tank ID:	001		
Capacity (Gal):	5000		
Missing Data for Tank :	Minor data missing		
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	12/01/1970		
Tank Internal:	Not reported		
Tank External:	Not reported		
Tank Containment:	VAULT		
Pipe Type:	GALVANIZED STEEL		
Pipe Location:	Not reported		
Pipe Internal:	Not reported		
Pipe External:	Not reported		
Leak Detection:	NONE		
Overfill Protection:	Product Level Gauge		
Dispenser Method:	Gravity		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	02/01/1995	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	329 GOLD ST ASSOCS		
Mailing Address:	125 FLATBUSH AV EXT BKLN, NY 11201		
Mailing Contact:	Not reported		
Mailing Telephone:	(718) 834-5770		
Owner Mark:	First Owner	Expiration Date:	06/28/1998
Certification Flag:	False	Certification Date:	11/12/1993
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		

PEPPER & POTTER, INC (Continued) U003074772

Facility Screen:	No data missing
Owner Screen:	Minor data missing
Tank Screen:	0
Town or City:	NEW YORK CITY
Town or City Code:	01
County Code:	61
Region:	2
Fiscal Amount for Registration Fee is Correct:	True

E20 South < 1/8 598 ft. **UNIVERSITY TOWERS APTS CORP.** UST U001833735
191 WILLOUGHBY ST N/A
BROOKLYN, NY 11201

Site 3 of 4 in cluster E

Relative: Higher

Actual: 45 ft.

PBS UST:

PBS Number:	2-210951	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	TOWERS MANAGEMENT CO (718) 522-0320		
Emergency Contact:	MICHAEL A. URENA (718) 738-3706		
Total Tanks:	1		
Owner:	UNIVERSITY TOWERS APTS CORP. 505 PARK AVE. NEW YORK, NY 10022 (212) 838-0200		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	UNIVERSITY TOWERS APTS CORP. 505 PARK AVE. NEW YORK, NY 10022 (212) 838-0200		
Tank Status:	In Service		
Capacity (gals):	20000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1961
Tank Type:	Steel/carbon steel	Product Stored:	NOS 5 OR 6 FUEL OIL
Tank Internal:	EPOXY LINER	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	JACKETED		
Missing Data for Tank:	No Missing Data		
Pipe External:	WRAPPED [PIPING]		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	08/13/1997
Old PBS Number:	Not reported	Expiration Date:	06/30/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		

UNIVERSITY TOWERS APTS CORP. (Continued) U001833735

Lat/long:	Not reported
Facility Type:	APARTMENT BUILDING
Town or City:	NEW YORK CITY
Town or City Code:	01
County Code:	61
Region:	2

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21 SSW < 1/8 623 ft. — **NYC DEPARTMENT OF HEALTH**
FORT GREENE DISTRICT HEALTH CENTER
BROOKLYN, NY 11201

UST U001838023
N/A

Relative: Higher
Actual: 50 ft.

PBS UST:

PBS Number:	2-218987	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	JAMES DURRAH, HSM (718) 643-3767		
Emergency Contact:	WAJID FARIDI (212) 676-2201		
Total Tanks:	0		
Owner:	NYC DEPARTMENT OF HEALTH 125 WORTH STREET NEW YORK, N.Y. 10013 (212) 788-5300		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	The City of New York		
Mailing Address:	NYC DEPT. OF HEALTH - BUREAU OF OPERATIONS ATTN: STUART W. MIRSKY 125 WORTH STREET, ROOM 1020, CN 10 NEW YORK,, N.Y. 10013 (212) 788-5300		
Tank Status:	Closed - In Place		
Capacity (gals):	3088		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1971
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	09/01/1988	Next Test Date:	Not reported
Date Closed:	08/01/1998	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/15/1998
Old PBS Number:	Not reported	Expiration Date:	01/07/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		

NYC DEPARTMENT OF HEALTH (Continued) U001838023

Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

F22
NW
< 1/8
639 ft.

TEAM OBSOLETE
315 GOLD ST
BROOKLYN, NY 11201

RCRA-SQG 1000790339
FINDS NYD987018231

Site 3 of 3 in cluster F

Relative:
Lower

Actual:
27 ft.

RCRAInfo:
Owner: ROBERT IANNUCCI
(718) 596-0504
EPA ID: NYD987018231
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

G23
NNE
< 1/8
650 ft.

HUDSON AVE GENERATING ST
1-11 HUDSON AVENUE
BROOKLYN NY, NY

NY Spills S103567603
N/A

Site 1 of 3 in cluster G

Relative:
Lower

Actual:
20 ft.

SPILLS:

Spill Number:	9510126	Region of Spill:	2
Spill Date:	11/14/1995 00:40	Reported to Dept:	11/14/95 02:04
ID:	Not reported		
Dt Call Received:	Not reported	Region Close Date	Not reported
Material Spilled 1 :	Not reported	Amount Spilled 1 :	Not reported
Spill Cause:	Other	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Facility Contact:	STEPHEN ROMERO	Facility Tele:	(212) 580-6763
Investigator:	ENGELHARDT	SWIS:	61
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS :	Not reported		
Spiller Contact:	MR CATUOGNO	Spiller Phone:	(718) 834-3915
Spiller:	CON EDISON		
Spiller Address:	4 IRVING PLACE NEW YORK, NY 10003		
DEC Remarks :	CLEANED BY RP.		
Remark:	PUMP ON BACK OF TRUCK HIT ONE OF THE 55 GAL OIL DRUMS CAUSEING A RUMPTURE IN WHICH IT DID LEAK ABOUT 10 GALLONS THEY ARE IN THE PROCESS OF CLEANING THE SITE NOW NO NEED FOR DEC TO RESPOND		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Tank Test:			

HUDSON AVE GENERATING ST (Continued) S103567603

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 10
Units: Gallons
Unknown Qty Spilled: 10
Quantity Recovered: 10
Unknown Qty Recovered: False
Material: NON PCB OIL
Class Type: Petroleum
Chem Abstract Service Number: NON PCB OIL
Last Date: 09/28/1994
Num Times Material Entry In File: 2798
Spill Closed Dt: 11/20/95
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Std:False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: 01/29/98
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 11/14/95
Date Region Sent Summary to Central Office: / /
True Date : Not reported

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24 West < 1/8 654 ft. **130 MYRTLE ST**
130 MYRTLE ST
BROOKLYN, NY

LTANKS **S102662887**
N/A

Relative: Higher

Actual: 35 ft.

LTANKS:
Spill Number: 9614371
Region of Spill: 2
Spill Date: 03/11/1997 16:00
Reported to Dept: 03/11/97 17:56
ID: Not reported
Date Call Received:Not reported
Material Spilled 1 :Not reported
Amount Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Spill Source: Tank Truck
Facility Contact: Not reported
Facility Tele: ( ) -
Investigator: MULQUEEN
SWIS: 61
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: UNK
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 12/31/97

130 MYRTLE ST (Continued) S102662887

Spill Notifier: Affected Persons PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 01/06/98
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 03/11/97
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 20
Units: Gallons
Unknown Qty Spilled: 20
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: TANK WAS OVERFILLED BY FUEL COMPANY UNK AT THIS POINT WHO THAT IS

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25 NNW 1/8-1/4 674 ft. **MIM IMPORT CORP**
78 PRINCE ST
BKLYN, NY 11201

UST U000404644
N/A

Relative: Lower
Actual: 20 ft.

PBS UST:
PBS Number: 2-369918 CBS Number: Not reported
SPDES Number: Not reported SWIS ID: 6101
Operator: BERNARD GUZACK
(718) 875-8758
Emergency Contact: BERNARD GUZACK OWNER
(516) 681-5709
Total Tanks: 0
Owner: BERNARD GUZACK
35 S OAKS BLD
PLAINVIEW, NY 11803
(516) 681-5709
Owner Type: Not reported
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: BERNARD GUZACK
35 S OAKS BLD

MIM IMPORT CORP (Continued) U000404644

PLAINVIEW, NY 11803
(516) 681-5709

Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	3000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	12/22/1991
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

H26 South 1/8-1/4 685 ft. **BROOKLYN COMPUS LIU**
1 UNIVERSITY PLAZA
BROOKLYN, NY 11201

UST U000405884
N/A

Site 1 of 2 in cluster H

Relative: Higher

Actual: 45 ft.

PBS UST:

PBS Number:	2-218308	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	BROOKLYN CAMPUS (718) 403-1079		
Emergency Contact:	WILLIAM CURRAN (718) 403-1079		
Total Tanks:	2		
Owner:	LONG ISLAND UNIVERSITY NORTHERN BOULEVARD BROOKVILLE, NY 11548 (516) 299-2772		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	LONG ISLAND UNIVERSITY NORTHERN BOULEVARD BROOKVILLE, NY 11548 (516) 299-2772		

BROOKLYN COMPUS LIU (Continued) U000405884

Tank Status:	In Service		
Capacity (gals):	20000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1968
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	OTHER		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	06/01/1998	Next Test Date:	06/01/2003
Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	40000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	10/29/1998
Old PBS Number:	Not reported	Expiration Date:	01/07/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-218308	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	BROOKLYN CAMPUS (718) 403-1079		
Emergency Contact:	WILLIAM CURRAN (718) 403-1079		
Total Tanks:	2		
Owner:	LONG ISLAND UNIVERSITY NORTHERN BOULEVARD BROOKVILLE, NY 11548 (516) 299-2772		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	LONG ISLAND UNIVERSITY NORTHERN BOULEVARD BROOKVILLE, NY 11548 (516) 299-2772		
Tank Status:	In Service		
Capacity (gals):	20000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	12/01/1968
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON

BROOKLYN COMPUS LIU (Continued) U000405884

Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	OTHER		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	06/01/1998	Next Test Date:	06/01/2003
Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	40000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	10/29/1998
Old PBS Number:	Not reported	Expiration Date:	01/07/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-218308	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	BROOKLYN CAMPUS (718) 403-1079		
Emergency Contact:	WILLIAM CURRAN (718) 403-1079		
Total Tanks:	2		
Owner:	LONG ISLAND UNIVERSITY NORTHERN BOULEVARD BROOKVILLE, NY 11548 (516) 299-2772		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	LONG ISLAND UNIVERSITY NORTHERN BOULEVARD BROOKVILLE, NY 11548 (516) 299-2772		
Tank Status:	Tank Converted to Non-Regulated Use		
Capacity (gals):	1000		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	12/01/1968
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	OTHER		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported

BROOKLYN COMPUS LIU (Continued) U000405884

Date Closed:	08/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	40000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	10/29/1998
Old PBS Number:	Not reported	Expiration Date:	01/07/2003
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

H27
South
1/8-1/4
685 ft.

1 UNIVERSITY PLAZA
1 UNIVERSITY PLAZA
BROOKLYN, NY

LTANKS S100879071
NY Spills N/A

Site 2 of 2 in cluster H

Relative:
Higher

Actual:
45 ft.

SPILLS:

Spill Number:	9313220	Region of Spill:	2
Spill Date:	02/07/1994 00:30	Reported to Dept:	02/08/94 08:26
ID:	Not reported		
Dt Call Received:	Not reported	Region Close Date	Not reported
Material Spilled 1	Not reported	Amount Spilled 1 :	Not reported
Spill Cause:	Equipment Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	KRIMGOLD	SWIS:	61
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS :	Not reported		
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	WHALCO OIL		
Spiller Address:	1 COFFEY ST. BROOKLYN, NY		
DEC Remarks :	Not reported		
Remark:	DRIVER OPENED AIR VENT ON TRUCK IT WAS BACKED UP AND SPILLED ONTO SIDEWALK - SPEEDI DRI APPLIED AND PICKED UP - NO OTHER AGENCIES ON SITE, NO CALL BACK -		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	1

1 UNIVERSITY PLAZA (Continued) S100879071

Units: Gallons
Unknown Qty Spilled: Yes
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
Spill Closed Dt: 02/08/94
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: 02/08/94
Last Inspection: / /
Cleanup Meets Std: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 02/08/94
Date Region Sent Summary to Central Office: / /
True Date : Not reported

LTANKS:
Spill Number: 9312175
Region of Spill: 2
Spill Date: 01/16/1994 09:25
Reported to Dept: 01/16/94 09:53
ID: Not reported
Date Call Received: Not reported
Material Spilled 1 : Not reported
Amount Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Facility Contact: Not reported
Facility Tele: Not reported
Investigator: O'DOWD
SWIS: 61
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: SAME
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 01/16/94
Spill Notifier: Fire Department
PBS Number: Not reported
Cleanup Ceased: 01/16/94
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported

1 UNIVERSITY PLAZA (Continued) S100879071

Date Spill Entered In Computer Data File: 01/20/94
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 100
Units: Gallons
Unknown Qty Spilled: 100
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: Not reported
Spill Cause: TRANSFERRING OIL FROM ONE TANK TO ANOTHER, OVERFILL OUT OF VENT - NYCFD DEP ON SCENE SPILLER NEEDS CONTRACTOR TO CLEAN IT UP - NO CALL BACK. 230 /PM BUSY CONTACT N/A @ KEVIN EASAN S.

Spill Number: 9312459 | Region of Spill: 2
Spill Date: 01/24/1994 02:30 | Reported to Dept: 01/24/94 03:44
ID: Not reported | Date Call Received: Not reported
Material Spilled 1 : Not reported | Amount Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported | Spill Source: Other Commercial/Industrial
Facility Contact: Not reported | Facility Tele: Not reported
Investigator: SIGONA | SWIS: 61
Caller Name: Not reported | Caller Agency: Not reported
Caller Phone: Not reported | Caller Extension: Not reported
Notifier Name: Not reported | Notifier Agency: Not reported
Notifier Phone: Not reported | Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: Not reported | Spiller Phone: Not reported
Spiller: LONG ISLAND UNIVERSITY
Spiller Address: 1 UNIVERSITY PLAZA
BROOKLYN
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt: 01/06/95
Spill Notifier: Responsible Party | PBS Number: Not reported
Cleanup Ceased: 01/06/95
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False

1 UNIVERSITY PLAZA (Continued) S100879071

Spill Record Last Update: 01/06/95
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 01/28/94
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 125
Units: Gallons
Unknown Qty Spilled: 125
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: Not reported
Spill Cause: SPILL OCURRED WHEN THE OPERATOR LEFT THE TANKS UNATTENDED DURING FUEL TR ANSFER OPERATION, NYC FD, CON-EDISON, DEPT ABC CONTRACTOR TO CLEAN UP TH E SPILL. DEC SIGONA INVESTIGATED SPILL SITE/CLEANUP

E28 **316 FLATBUSH AV** LTANKS S102671360
South **316 FLATBUSH AV** N/A
1/8-1/4 **BKLN, NY**
690 ft.

Site 4 of 4 in cluster E

Relative: Higher
Actual: 48 ft.

LTANKS:
Spill Number: 8809483
Spill Date: 03/09/1989 10:00
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: In Sewer
Spill Cause: Tank Overfill
Water Affected: Not reported
Facility Contact: Not reported
Investigator: GRATHWOL
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: ORIGINAL OIL
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: 03/23/89
Spill Notifier: Fire Department
Cleanup Ceased: 03/23/89

Region of Spill: 2
Reported to Dept: 03/09/89 10:24
Date Call Received: Not reported
Amount Spilled 1 : Not reported
Spill Source: Other Commercial/Industrial
Facility Tele: (212) 893-3200
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

316 FLATBUSH AV (Continued) S102671360

Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 03/31/89
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 03/10/89
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 70
Units: Gallons
Unknown Qty Spilled: 70
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
DEC Remarks: Not reported
Spill Cause: OIL SPILL DURING DELIVERY, OVERFLOW GETS INTO SUBWAY GRATING. NYFD RESP ONDS PUTS DOWN SPEEDI-DRY,ORIGINAL OIL SENDING CLEAN UP CREW, CLEAN UP F INISHED BY CONTRACTOR SUBWAY CREW,NO MORE SEEPAGE

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29 **LONG ISLAND COLLEGE HOSPITAL** RCRA-SQG 1000231926
SSE **LONG ISLAND COLLEGE HOSPITAL** FINDS NYD982279614
1/8-1/4 **BROOKLYN, NY 11205**
693 ft.

Relative: **Higher**

RCRAInfo:
Owner: LONG ISLAND COLLEGE HOSPITAL
(212) 555-1212

Actual: **41 ft.**

EPA ID: NYD982279614
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported

LONG ISLAND COLLEGE HOSPITAL (Continued) 1000231926

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

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30 SW 1/8-1/4 703 ft. **INSTITUTE OF DESIGN AND CONST**
141 WILLOUGHBY ST
BROOKLYN, NY 11201
UST U000393705 N/A

Relative: Higher
Actual: 48 ft.

PBS UST:

PBS Number:	2-043532	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	VINCENT C BATTISTA (718) 855-3661		
Emergency Contact:	JOHN ANSELMO (516) 932-0902		
Total Tanks:	1		
Owner:	INSTITUTE OF DESIGN AND CONST 141 WILLOUGHBY ST BROOKLYN, NY 11201 (718) 855-3661		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	INSTITUTE OF DESIGN AND CONST 141 WILLOUGHBY ST BROOKLYN, NY 11201 (718) 855-3661		
Tank Status:	In Service		
Capacity (gals):	5000		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	001	Install Date:	10/01/1954
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Aboveground	Pipe Type:	STEEL/IRON
Tank External:	PAINTED/ASPHALT COATING		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	VAULT		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	5000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	08/24/2001
Old PBS Number:	Not reported	Expiration Date:	12/02/2006
Inspected Date:	Not reported	Inspector:	Not reported

INSTITUTE OF DESIGN AND CONST (Continued) — U000393705

Inspection Result: Not reported
Lat/long: Not reported
Facility Type: SCHOOL, OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

G31 NNE 1/8-1/4 719 ft. — **NYCHA - INGERSOL HOUSES**, **120 NAVY WALK**, **BROOKLYN, NY 11201** — RCRA-SQG, FINDS — 1004760331, NYR000040600

Site 2 of 3 in cluster G

Relative: Lower
Actual: 21 ft.

RCRAInfo:
Owner: NYC HOUSING AUTH
(212) 306-3229
EPA ID: NYR000040600
Contact: FRANK OCELLO
(212) 306-3229
Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

I32 SW 1/8-1/4 772 ft. — **SUNOCO SERVICE STATION**, **85 FLATBUSH AVE EXT**, **BROOKLYN, NY 11201** — RCRA-SQG — 1004756947, NYD982721599

Site 1 of 3 in cluster I

Relative: Higher
Actual: 44 ft.

RCRAInfo:
Owner: SUN CO INC - R & M
(610) 941-9054
EPA ID: NYD982721599
Contact: SUSAN HICKEY
(610) 941-9054
Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

SUNOCO SERVICE STATION (Continued) 1004756947

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

I33 SW 1/8-1/4 772 ft. **SUNOCO 0007-1548**
85 FLATBUSH AVE
BROOKLYN, NY 11201

UST U001839271
N/A

Site 2 of 3 in cluster I

Relative: Higher

Actual: 44 ft.

PBS UST:

PBS Number:	2-339822	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	SENG LIM (718) 625-2273		
Emergency Contact:	GEO PATTERSON (800) 786-9494		
Total Tanks:	3		
Owner:	SUN COMPANY, INC. (R & M) 1801 MARKET STREET 20/10 PC PHILADELPHIA, PA 19103 (215) 977-6337		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	SUN COMPANY, INC. (R & M) ATTN: COMPLIANCE COORDINATOR 1801 MARKET STREET 20/10 PC PHILADELPHIA, PA 19103 (215) 977-6337		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1974
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	06/01/1988	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	PETRO-TITE
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	12000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/11/1998
Old PBS Number:	Not reported	Expiration Date:	11/16/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		

SUNOCO 0007-1548 (Continued) U001839271

Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-339822	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	SENG LIM (718) 625-2273		
Emergency Contact:	GEO PATTERSON (800) 786-9494		
Total Tanks:	3		
Owner:	SUN COMPANY, INC. (R & M) 1801 MARKET STREET 20/10 PC PHILADELPHIA, PA 19103 (215) 977-6337		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	SUN COMPANY, INC. (R & M) ATTN: COMPLIANCE COORDINATOR 1801 MARKET STREET 20/10 PC PHILADELPHIA, PA 19103 (215) 977-6337		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	12/01/1962
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	12000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/11/1998
Old PBS Number:	Not reported	Expiration Date:	11/16/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		

SUNOCO 0007-1548 (Continued) U001839271

Region:	2		
PBS Number:	2-339822	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	SENG LIM (718) 625-2273		
Emergency Contact:	GEO PATTERSON (800) 786-9494		
Total Tanks:	3		
Owner:	SUN COMPANY, INC. (R & M) 1801 MARKET STREET 20/10 PC PHILADELPHIA, PA 19103 (215) 977-6337		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	SUN COMPANY, INC. (R & M) ATTN: COMPLIANCE COORDINATOR 1801 MARKET STREET 20/10 PC PHILADELPHIA, PA 19103 (215) 977-6337		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	003	Install Date:	12/01/1962
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	12000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/11/1998
Old PBS Number:	Not reported	Expiration Date:	11/16/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-339822	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	SENG LIM		

SUNOCO 0007-1548 (Continued) U001839271

	(718) 625-2273		
Emergency Contact:	GEO PATTERSON		
	(800) 786-9494		
Total Tanks:	3		
Owner:	SUN COMPANY, INC. (R & M)		
	1801 MARKET STREET 20/10 PC		
	PHILADELPHIA, PA 19103		
	(215) 977-6337		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	SUN COMPANY, INC. (R & M)		
	ATTN: COMPLIANCE COORDINATOR		
	1801 MARKET STREET		
	20/10 PC		
	PHILADELPHIA, PA 19103		
	(215) 977-6337		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	12/01/1962
Tank Type:	Steel/carbon steel	Product Stored:	LEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	12000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/11/1998
Old PBS Number:	Not reported	Expiration Date:	11/16/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-339822	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	SENG LIM		
	(718) 625-2273		
Emergency Contact:	GEO PATTERSON		
	(800) 786-9494		
Total Tanks:	3		
Owner:	SUN COMPANY, INC. (R & M)		

SUNOCO 0007-1548 (Continued) U001839271

1801 MARKET STREET 20/10 PC
PHILADELPHIA, PA 19103
(215) 977-6337

Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	SUN COMPANY, INC. (R & M) ATTN: COMPLIANCE COORDINATOR 1801 MARKET STREET 20/10 PC PHILADELPHIA, PA 19103 (215) 977-6337		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	005	Install Date:	12/01/1962
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	12000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/11/1998
Old PBS Number:	Not reported	Expiration Date:	11/16/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
10 additional NY PBS record(s) in the EDR Site Report.

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
I34 SW 1/8-1/4 772 ft.	SUNOCO SERVICE STATION 85 FLATBUSH EXT BROOKLYN, NY 11217	RCRA-SQG FINDS	1000328911 NYD000816439

Relative: Higher

Actual: 44 ft.

Site 3 of 3 in cluster I

RCRAInfo:

Owner: SUN OIL COMPANY OF PENNSYLVANIA
(212) 555-1212

EPA ID: NYD000816439

Contact: Not reported

Classification: Small Quantity Generator

TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
Resource Conservation and Recovery Act Information system

G35 NNE 1/8-1/4 782 ft.	INGERSOLL 85 NAVY WALK BROOKLYN, NY 11205	UST	U001840709 N/A

Relative: Lower

Actual: 23 ft.

Site 3 of 3 in cluster G

PBS UST:

PBS Number: 2-474509
SPDES Number: Not reported
Operator: RAFAEL VELEZ
(212) 306-3142
Emergency Contact: EMERGENCY SERVICE SQUAD
(212) 289-3940
Total Tanks: 1
Owner: NYC HOUSING AUTHORITY
250 BROADWAY
NEW YORK, NY 10007
(212) 306-3142
Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: 51
Mailing Address: NYC HOUSING AUTHORITY
ATTN: FRANK OCELLO
250 BROADWAY
16TH FLOOR
NEW YORK, NY 10007
(212) 306-3142

CBS Number: Not reported
SWIS ID: 6101

Tank Status: Closed - Removed
Capacity (gals): 35000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 1
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: WRAPPED [PIPING]
Second Containment: NONE
Leak Detection: NONE

Install Date: 02/01/1944
Product Stored: NOS 5 OR 6 FUEL OIL
Pipe Internal: Not reported
Pipe Type: STEEL/IRON

INGERSOLL (Continued) U001840709

Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	25000		
Tank Screen:	No data missing	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	11/08/1999
Inspected Date:	Not reported	Expiration Date:	03/28/2004
Inspection Result:	Not reported	Inspector:	Not reported
Lat/long:	Not reported		
Facility Type:	APARTMENT BUILDING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-474509	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	RAFAEL VELEZ (212) 306-3142		
Emergency Contact:	EMERGENCY SERVICE SQUAD (212) 289-3940		
Total Tanks:	1		
Owner:	NYC HOUSING AUTHORITY 250 BROADWAY NEW YORK, NY 10007 (212) 306-3142		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	51		
Mailing Address:	NYC HOUSING AUTHORITY ATTN: FRANK OCELLO 250 BROADWAY 16TH FLOOR NEW YORK, NY 10007 (212) 306-3142		
Tank Status:	Closed - Removed		
Capacity (gals):	35000		
Tank Location:	UNDERGROUND		
Tank Id:	002		
Tank Type:	Steel/carbon steel	Install Date:	02/01/1944
Tank Internal:	Not reported	Product Stored:	NOS 5 OR 6 FUEL OIL
Pipe Location:	1	Pipe Internal:	Not reported
Tank External:	Not reported	Pipe Type:	STEEL/IRON
Missing Data for Tank:	Minor Data Missing		
Pipe External:	WRAPPED [PIPING]		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing

INGERSOLL (Continued) U001840709

FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	25000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/08/1999
Old PBS Number:	Not reported	Expiration Date:	03/28/2004
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	APARTMENT BUILDING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-474509		
SPDES Number:	Not reported	CBS Number:	Not reported
Operator:	RAFAEL VELEZ (212) 306-3142	SWIS ID:	6101
Emergency Contact:	EMERGENCY SERVICE SQUAD (212) 289-3940		
Total Tanks:	1		
Owner:	NYC HOUSING AUTHORITY 250 BROADWAY NEW YORK, NY 10007 (212) 306-3142		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	51		
Mailing Address:	NYC HOUSING AUTHORITY ATTN: FRANK OCELLO 250 BROADWAY 16TH FLOOR NEW YORK, NY 10007 (212) 306-3142		
Tank Status:	In Service		
Capacity (gals):	25000		
Tank Location:	UNDERGROUND		
Tank Id:	001		
Tank Type:	Fiberglass reinforced plastic [FRP]	Install Date:	10/01/1993
Tank Internal:	FIBERGLASS LINER [FRP]	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Pipe Location:	Underground	Pipe Internal:	NONE
Tank External:	FIBERGLASS	Pipe Type:	STEEL/IRON
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	10/01/2008
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	25000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/08/1999

INGERSOLL (Continued) U001840709

Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: APARTMENT BUILDING
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2
Expiration Date: 03/28/2004
Inspector: Not reported

J36
ESE
1/8-1/4
877 ft.

Relative:
Higher

Actual:
33 ft.

UNIVERSITY TOWERS APTS CORP.
122 ASHLAND PLACE
BROOKLYN, NY 11201

UST U000400660
N/A

Site 1 of 3 in cluster J

PBS UST:
PBS Number: 2-210978
SPDES Number: Not reported
Operator: TOWERS MANAGEMENT CORP
(718) 522-0320
Emergency Contact: MICHAEL A. URENA
(718) 738-3706
Total Tanks: 1
Owner: UNIVERSITY TOWERS APTS CORP.
505 PARK AVE.
NEW YORK, NY 10022
(212) 838-0200
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: UNIVERSITY TOWERS APTS CORP.
505 PARK AVE.
NEW YORK, NY 10022
(212) 838-0200
Tank Status: In Service
Capacity (gals): 20000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: EPOXY LINER
Pipe Location: Underground
Tank External: JACKETED
Missing Data for Tank: No Missing Data
Pipe External: WRAPPED [PIPING]
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: Product Level Gauge
Date Tested: Not reported
Date Closed: Not reported
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 20000
Tank Screen: No data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported

CBS Number: Not reported
SWIS ID: 6101
Install Date: 12/01/1961
Product Stored: NOS 5 OR 6 FUEL OIL
Pipe Internal: NONE
Pipe Type: STEEL/IRON
Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 08/13/1997
Expiration Date: 07/14/2002
Inspector: Not reported

UNIVERSITY TOWERS APTS CORP. (Continued) U000400660

Inspection Result: Not reported
Lat/long: Not reported
Facility Type: APARTMENT BUILDING
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

---

37 South 1/8-1/4 879 ft.

LONG ISLAND UNIVERSITY
UNIVERSITY PLAZA
BROOKLYN, NY 11201

RCRA-SQG 1000231917
FINDS NYD073130742
NY Spills

Relative: Higher

Actual: 40 ft.

RCRAInfo:
Owner: Not reported
EPA ID: NYD073130742
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-GENERAL REQUIREMENTS
Date Violation Determined: 11/26/2001
Actual Date Achieved Compliance: 05/14/2003

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/05/1989
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/27/2002
Penalty Type: Proposed Monetary Penalty

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/24/1988
Actual Date Achieved Compliance: 10/05/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/05/1989
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/27/2002
Penalty Type: Proposed Monetary Penalty

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Proposed Monetary Penalty	9/27/2002	219833	EPA

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-GENERAL REQUIREMENTS	20030514
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19891005

LONG ISLAND UNIVERSITY (Continued) 1000231917

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

SPILLS:

Spill Number:	0013405	Region of Spill:	2
Spill Date:	03/16/2001 12:00	Reported to Dept:	03/23/01 10:00
ID:	Not reported		
Dt Call Received:	Not reported	Region Close Date	Not reported
Material Spilled 1 :	Not reported	Amount Spilled 1 :	Not reported
Spill Cause:	Equipment Failure	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Non Commercial/Industrial
Facility Contact:	KATHY O'SULLIVAN	Facility Tele:	(718) 488-3459
Investigator:	SANGESLAND	SWIS:	61
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS :	Not reported		
Spiller Contact:	CALLER	Spiller Phone:	Not reported
Spiller:	LONG ISLAND UNIVERSITY		
Spiller Address:	UNIVERSITY PLAZA BROOKLYN, NY		

DEC Remarks : 3/23/2001 AN ANNONYMOUS CALLER INDICATED THAT THERE HAD BEEN A SPILL IN THE BASEMENT OF 1 UNIVERSITY PLAZA SEVERAL DAYS AGO . ECO MATT DORRETT IS AT THE SITE TODAY TO INTERVIEW PEOPLE INVOLVED. INITITAL REPORTS ARE THAT THERE HAD BEEN A BREAK IN
A FUEL LINE IN THE BASEMENT AND SOME QUANTITY OF 2 FUEL SPILLED INTO A PIT AREA AND FLOOR DRAIN. THIS DRAIN FED INTO A SUMP WHICH WAS THEN PUMPED OUT INTO A CITY SEWER. THE FACILITIES PERSON ON SITE SAID PETROLEUM TANK CLEANERS WAS CALLED IN TO C
LEAN THE SITE. SANGESLAND SPOKE WITH GABE AT PETROLEUM TANK CLEANERS. GABE SAID PTC WAS CALLED ON 3/22 TO CLEAN UP THE PIT AREA. THEY WERE TOLD THAT THE SPILL OCCURRED FROM A BROKEN PIPE AND A PLUMBER JEB) FROM GENERAL PLUMBING HAD FIXED THE LI
NE. PTC SAID THEY WOULD ONLY WORK ON THE CLEANUP IF A SPILL NUMBER HAD BEEN CALLED IN. GABE WENT TO THE SITE AND SAID THE PIT AREA NEEDED CLEANING AND PTC WOULD COME BACK ON MONDAY 3/26 TO FINISH THAT WORK. IT IS UNCLEAR WHETHER THE SPILL IS TOTAL
LY CLEANED AT THIS POINT.

Remark: annon caller advised of broken pipe and spill to ground, and floor drain.

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1

LONG ISLAND UNIVERSITY (Continued) 1000231917

Quantity Spilled: 250
Units: Gallons
Unknown Qty Spilled: 250
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
Spill Closed Dt: / /
Spill Notifier: DEC
Cleanup Ceased: / /
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 05/22/01
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 03/23/01
Date Region Sent Summary to Central Office: / /
True Date : Not reported

PBS Number: Not reported
Cleanup Meets Std:False
Enforcement Date: / /
UST Involvement: False

J38
ESE
1/8-1/4
898 ft.

APARTMENT BUILDING
125 ASHLAND PLACE
BROOKLYN, NY

LTANKS S106124004
N/A

Site 2 of 3 in cluster J

Relative:
Higher

Actual:
33 ft.

LTANKS:

Spill Number: 0311788
Tank Number: 001-south
Test Method: HORNER EZ CHECK
Spill Date: 01/20/04
ID: 35331
Material Spilled 1 :#2 FUEL OIL
Region Close Dt : / /
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported

Region of Spill: 2
Tank Size : 10000
Leak Rate: 0.00
Reported to Dept: / /
Date Call Received:01/20/04
Amount Spilled 1 : Unknown lbs.
Spill Source: OTHER COMM/INDUSTRIAL

Spill Number: 0311788
Tank Number: 001-south
Test Method: HORNER EZ CHECK
Spill Date: 01/20/04
ID: 35332
Material Spilled 1 :#2 FUEL OIL
Region Close Dt : / /
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported

Region of Spill: 2
Tank Size : 10000
Leak Rate: 0.00
Reported to Dept: / /
Date Call Received:01/20/04
Amount Spilled 1 : Unknown lbs.
Spill Source: OTHER COMM/INDUSTRIAL

J39
ESE
1/8-1/4
905 ft.

KINGSVIEW HOMES INC
125 ASHLAND PL
BROOKLYN, NY 11201

RCRA-SQG 1000237191
FINDS NYD074333733
UST

Site 3 of 3 in cluster J

Relative:
Higher

Actual:
33 ft.

RCRAInfo:

Owner: Not reported
EPA ID: NYD074333733

Contact: M JARVIS
(718) 624-5121

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

PBS UST:

PBS Number:	2-279617	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	RICHARD NAPALLINO (718) 875-9225		
Emergency Contact:	MICHAEL CANTOR\\ (718) 833-6600		
Total Tanks:	2		
Owner:	KINGSVIEW HOMES INC 7401 RIDGE BOULEVARD BROOKLYN, NY 11209 (718) 833-6600		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	ARCO METRO MANAGEMENT CORP. ATTN: GUS DIBIASI 2940 AVENUE X BROOKLYN, NY 11235 (718) 332-0777		
Tank Status:	In Service		
Capacity (gals):	10000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Above/Underground Combination	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/JACKETED		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Gravity
Date Tested:	Not reported	Next Test Date:	12/27/1987
Date Closed:	Not reported	Test Method:	Not reported

KINGSVIEW HOMES INC (Continued) 1000237191

Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	08/27/1999
Old PBS Number:	Not reported	Expiration Date:	07/14/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	APARTMENT BUILDING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-279617	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	RICHARD NAPALLINO (718) 875-9225		
Emergency Contact:	MICHAEL CANTOR\\ (718) 833-6600		
Total Tanks:	2		
Owner:	KINGSVIEW HOMES INC 7401 RIDGE BOULEVARD BROOKLYN, NY 11209 (718) 833-6600		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	ARCO METRO MANAGEMENT CORP. ATTN: GUS DIBIASI 2940 AVENUE X BROOKLYN, NY 11235 (718) 332-0777		
Tank Status:	In Service		
Capacity (gals):	10000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Above/Underground Combination	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/JACKETED		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Gravity
Date Tested:	Not reported	Next Test Date:	12/27/1987
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	20000	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing

KINGSVIEW HOMES INC (Continued) 1000237191

Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: APARTMENT BUILDING
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Certification Date: 08/27/1999
Expiration Date: 07/14/2002
Inspector: Not reported

K40
NNW
1/8-1/4
941 ft.

Relative:
Lower

Actual:
24 ft.

NYPD 84 PRECINCT
301 GOLD ST
BROOKLYN, NY

LTANKS S104951147
N/A

Site 1 of 5 in cluster K

LTANKS:
Spill Number: 0013663
Spill Date: 03/29/2001 15:00
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: JOHN MATRONA
Investigator: SIGONA
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: JOHN MATRONA
Spiller: NYPD 84 PRECINCT
Spiller Address: 301 GOLD ST
BROOKLYN, NY
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 03/30/01
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 03/30/01
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported

Region of Spill: 2
Reported to Dept: 03/30/01 10:14
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: (516) 293-8800
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: (516) 293-8800

PBS Number: Not reported

NYPD 84 PRECINCT (Continued) S104951147

Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: caller states 10000 gal ust on mar 13 and analytical results show soil contamination

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K41
NNW
1/8-1/4
941 ft.

TA POLICE ACADEMY
300 GOLD ST
BROOKLYN, NY 11201

UST U001832989
AST N/A

Site 2 of 5 in cluster K

Relative:
Lower

Actual:
24 ft.

PBS UST:
PBS Number: 2-190152
SPDES Number: Not reported
Operator: NYC TRANSIT AUTHORITY
(718) 330-4863
Emergency Contact: TIMOTHY SLAUSON
(718) 330-4581
Total Tanks: 1
Owner: NYC TRANSIT AUTHORITY
370 JAY ST ROOM 809
BROOKLYN, NY 11201
(718) 330-4581
Owner Type: Not reported
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: NYC TRANSIT AUTHORITY
370 JAY ST ROOM 809
BROOKLYN, NY 11201
(718) 330-4581
Tank Status: In Service
Capacity (gals): 5000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 1
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: Product Level Gauge
Date Tested: Not reported
Date Closed: Not reported

CBS Number: Not reported
SWIS ID: 6101

Install Date: Not reported
Product Stored: NOS 1,2, OR 4 FUEL OIL
Pipe Internal: Not reported
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: 12/27/1987
Test Method: Not reported

TA POLICE ACADEMY (Continued) U001832989

Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	5000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	01/08/1993
Old PBS Number:	Not reported	Expiration Date:	06/05/1997
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS AST:

PBS Number:	2-069574	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6101
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	Not reported		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	ONE LIBERTY PROPERTIES, INC. 60 CUTTER MILL RD. GREAT NECK, NY 11021		
Owner Phone:	(516) 466-3100		
Facility Phone:	(718) 402-5107		
Operator:	EAST COAST PETROLEUM		
Emergency Name:	EAST COAST PETROLEUM		
Emergency Phone:	(718) 402-5107		
Total Tanks:	1		
Total Capacity:	5000		
Tank ID:	001		
Capacity (Gal):	5000		
Missing Data for Tank :	Minor data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	/ /		
Tank Internal:	Not reported		
Tank External:	Not reported		
Tank Containment:	NONE		
Pipe Type:	STEEL/IRON		
Pipe Location:	Not reported		
Pipe Internal:	Not reported		
Pipe External:	Not reported		
Leak Detection:	NONE		
Overfill Protection:	Product Level Gauge		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	False	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		

TA POLICE ACADEMY (Continued) U001832989

Mailing Name: ONE LIBERTY PROPERTIES, INC.
Mailing Address: 60 CUTTER MILL RD.
GREAT NECK, NY 11021
Mailing Contact: DANIEL LEMBO
Mailing Telephone: (516) 466-3100
Owner Mark: Second Owner
Certification Flag: False
Renew Flag: False
Lat/Long: Not reported
Dead Letter: False
Facility Screen: Minor data missing
Owner Screen: Minor data missing
Tank Screen: Minor data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2
Fiscal Amount for Registration Fee is Correct: True

Expiration Date: 03/29/2004
Certification Date: 04/06/1999
Renew Date: / /

PBS OWNHIST
Operator: CHARLES LUGO
Emergency: CHARLES LUGO
Emergency Tel: (718) 852-2770
Facility Type: Not reported
Facility Owner: 30 GOLD STREET
Facility Address: 300 GOLD STREET
300 GOLD STREET
BROOKLYN, NY 11201

Old PBSNO: Not reported

Inspector: Not reported
Insp Result: Not reported
Owner: 45 JOHN ESTATES
Owner Tel: (212) 344-0044
Owner Subtype: Not reported
Mail Address: 45 JOHN ESTATES
100 WILLIAM STREET
NEW YORK, NY 10038
Not reported
(212) 344-0044
Owner Mark: First Owner
Certify Date: 01/14/1992
Total Capacity (Gal): 5000

Inspect Date: Not reported
Federal ID: Not reported
Owner Type: Not reported
Expiration: 01/14/1992

CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6101
Facility Phone : (718) 330-3236
Num of Active Tanks : 1
Facility Owner: 45 JOHN ESTATES
Facility Address: 100 WILLIAM STREET
NEW YORK, NY 10038
Owner Phone: (212) 344-0044
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 03/29/1999

TA POLICE ACADEMY (Continued) U001832989

Facility Record Updated: True

K42
NNW
1/8-1/4
941 ft.

84TH PRECINCT
301 GOLD ST
BROOKLYN, NY 11201

UST U001837970
N/A

Relative:
Lower

Actual:
24 ft.

Site 3 of 5 in cluster K

PBS UST:

PBS Number:	2-217662	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	NYC POLICE DEPT. (718) 476-7576		
Emergency Contact:	FUEL CONTROL UNIT (718) 476-7524		
Total Tanks:	3		
Owner:	NYC POLICE DEPT. 1 POLICE PLAZA NEW YORK, NY 10038 (212) 374-7650		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	The City of New York		
Mailing Address:	NYC POLICE DEPT.ADMIN.SERVICE-BUILDING MAINTENANCE ATTN: SERGEANT T. ZAPATA 59-06 BROOKLYN - QUEENS EXPRESSWAY WOODSIDE, NY 11377 (718) 476-6828		
Tank Status:	In Service		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	007		
Tank Type:	Fiberglass reinforced plastic [FRP]	Install Date:	01/01/1996
Tank Internal:	FIBERGLASS LINER [FRP]	Product Stored:	UNLEADED GASOLINE
Pipe Location:	Underground	Pipe Internal:	FIBERGLASS LINER [FRP]
Tank External:	NONE/FIBERGLASS	Pipe Type:	FIBERGLASS [FRP]
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/FIBERGLASS		
Second Containment:	NONE/DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING/IN-TANK SYSTEM		
Overfill Prot:	High Level Alarm	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	14025		
Tank Screen:	No data missing	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	12/07/2001
Inspected Date:	Not reported	Expiration Date:	10/15/2002
Inspection Result:	Not reported	Inspector:	Not reported
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

84TH PRECINCT (Continued) U001837970

PBS Number:	2-217662	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	NYC POLICE DEPT. (718) 476-7576		
Emergency Contact:	FUEL CONTROL UNIT (718) 476-7524		
Total Tanks:	3		
Owner:	NYC POLICE DEPT. 1 POLICE PLAZA NEW YORK, NY 10038 (212) 374-7650		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	The City of New York		
Mailing Address:	NYC POLICE DEPT.ADMIN.SERVICE-BUILDING MAINTENANCE ATTN: SERGEANT T. ZAPATA 59-06 BROOKLYN - QUEENS EXPRESSWAY WOODSIDE, NY 11377 (718) 476-6828		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	01/01/1973
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	01/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	14025	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	12/07/2001
Old PBS Number:	Not reported	Expiration Date:	10/15/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-217662	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	NYC POLICE DEPT. (718) 476-7576		
Emergency Contact:	FUEL CONTROL UNIT		

84TH PRECINCT (Continued) U001837970

(718) 476-7524
Total Tanks: 3
Owner: NYC POLICE DEPT.
1 POLICE PLAZA
NEW YORK, NY 10038
(212) 374-7650
Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: The City of New York
Mailing Address: NYC POLICE DEPT.ADMIN.SERVICE-BUILDING MAINTENANCE
ATTN: SERGEANT T. ZAPATA
59-06 BROOKLYN - QUEENS EXPRESSWAY
WOODSIDE, NY 11377
(718) 476-6828
Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 002
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 2
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: Product Level Gauge
Date Tested: Not reported
Date Closed: 01/01/1965
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 14025
Tank Screen: No data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 01/01/1973
Product Stored: UNLEADED GASOLINE
Pipe Internal: Not reported
Pipe Type: GALVANIZED STEEL
Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 12/07/2001
Expiration Date: 10/15/2002
Inspector: Not reported

PBS Number: 2-217662
SPDES Number: Not reported
Operator: NYC POLICE DEPT.
(718) 476-7576
Emergency Contact: FUEL CONTROL UNIT
(718) 476-7524
Total Tanks: 3
Owner: NYC POLICE DEPT.
1 POLICE PLAZA
NEW YORK, NY 10038
(212) 374-7650

CBS Number: Not reported
SWIS ID: 6101

84TH PRECINCT (Continued) U001837970

Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: The City of New York
Mailing Address: NYC POLICE DEPT.ADMIN.SERVICE-BUILDING MAINTENANCE
ATTN: SERGEANT T. ZAPATA
59-06 BROOKLYN - QUEENS EXPRESSWAY
WOODSIDE, NY 11377
(718) 476-6828
Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 003
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 2
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: Product Level Gauge
Date Tested: Not reported
Date Closed: 01/01/1996
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 14025
Tank Screen: No data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 01/01/1973
Product Stored: UNLEADED GASOLINE
Pipe Internal: Not reported
Pipe Type: GALVANIZED STEEL

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 12/07/2001
Expiration Date: 10/15/2002
Inspector: Not reported

PBS Number: 2-217662
SPDES Number: Not reported
Operator: NYC POLICE DEPT.
(718) 476-7576
Emergency Contact: FUEL CONTROL UNIT
(718) 476-7524
Total Tanks: 3
Owner: NYC POLICE DEPT.
1 POLICE PLAZA
NEW YORK, NY 10038
(212) 374-7650
Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: The City of New York
Mailing Address: NYC POLICE DEPT.ADMIN.SERVICE-BUILDING MAINTENANCE
ATTN: SERGEANT T. ZAPATA
59-06 BROOKLYN - QUEENS EXPRESSWAY

CBS Number: Not reported
SWIS ID: 6101

84TH PRECINCT (Continued) U001837970

WOODSIDE, NY 11377
(718) 476-6828

Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004	Install Date:	01/01/1973
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	01/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	14025	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	12/07/2001
Old PBS Number:	Not reported	Expiration Date:	10/15/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
3 additional NY PBS record(s) in the EDR Site Report.

K43
NNW
1/8-1/4
941 ft.

300 GOLD ST
300 GOLD ST
BROOKLYN, NY 11251

RCRA-SQG 1007205032
NYP000901819

Site 4 of 5 in cluster K

Relative:
Lower

Actual:
24 ft.

RCRAInfo:

Contact:	CHARLES B BURRUS (718) 330-4581
Classification:	Small Quantity Generator
TSDF Activities:	Not reported

300 GOLD ST (Continued) 1007205032

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

K44 NNW 1/8-1/4 941 ft.

NYCPD 84TH PRECINCT
301 GOLD STREET
BROOKLYN, NY

LTANKS S100781876
NY Spills N/A

Site 5 of 5 in cluster K

Relative: Lower

Actual: 24 ft.

SPILLS:

Spill Number:	9512589	Region of Spill:	2
Spill Date:	01/10/1996 10:00	Reported to Dept:	01/10/96 10:23
ID:	Not reported		
Dt Call Received:	Not reported	Region Close Date	Not reported
Material Spilled 1 :	Not reported	Amount Spilled 1 :	Not reported
Spill Cause:	Unknown	Resource Affected:	On Land
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Facility Contact:	BOB KREUZER	Facility Tele:	(716) 856-5636
Investigator:	KOLLEENY	SWIS:	61
Caller Name:	Not reported	Caller Agency:	Not reported
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
PBS :	Not reported		
Spiller Contact:	BOB KREUZER	Spiller Phone:	(716) 856-5636
Spiller:	NEW YORK CITY PD 84 PRCNT		
Spiller Address:	301 GOLD STREET BROOKLYN, NY		
DEC Remarks :	Not reported		
Remark:	LABORITORY RESULTS SHOW SOIL CONTAMINATION		
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		

Tank Test:

PBS Number:	Not reported
Tank Number:	Not reported
Test Method:	Not reported
Capacity of Failed Tank:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported

Material:

Material Class Type:	1
Quantity Spilled:	0
Units:	Gallons
Unknown Qty Spilled:	No
Quantity Recovered:	0
Unknown Qty Recovered:	True
Material:	GASOLINE
Class Type:	Petroleum
Chem Abstract Service Number:	GASOLINE
Last Date:	09/29/1994
Num Times Material Entry In File:	21329

Spill Closed Dt:	/ /		
Spill Notifier:	Other	PBS Number:	Not reported
Cleanup Ceased:	/ /		
Last Inspection:	/ /	Cleanup Meets Std:	False

NYCPD 84TH PRECINCT (Continued) S100781876

Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Enforcement Date: / /
Invstgn Complete:/ /
UST Involvement: False
Spill Record Last Update: 10/14/97
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 01/10/96
Date Region Sent Summary to Central Office: / /
True Date : Not reported

LTANKS:
Spill Number: 9308194
Region of Spill: 2
Spill Date: 10/06/1993 10:10
Reported to Dept: 10/06/93 11:43
ID: Not reported
Date Call Received:Not reported
Material Spilled 1 :Not reported
Amount Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Spill Source: Tank Truck
Facility Contact: Not reported
Facility Tele: (718) 589-2500
Investigator: GUTIERREZ
SWIS: 61
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: DINO OIL CO. INC.
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 10/06/93
Spill Notifier: Other
PBS Number: Not reported
Cleanup Ceased: 10/06/93
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 03/17/97
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 10/06/93
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -10
Units: Gallons

NYCPD 84TH PRECINCT (Continued) S100781876

Unknown Qty Spilled: -10
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: CONTAINED ON PAVEMENT - SORBENT APPLIED BY DINO OIL CO. POSSIBLE 2 GALLONS IN SEWER - NYC DEP IS NOTIFIED.

Spill Number: 9601161
Region of Spill: 2
Spill Date: 04/23/1996 14:00
Reported to Dept: 04/23/96 15:54
ID: Not reported
Date Call Received: Not reported
Material Spilled 1 : Not reported
Amount Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Spill Source: Other Commercial/Industrial
Facility Contact: N/A
Facility Tele: Not reported
Investigator: KOLLEENY
SWIS: 61
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: N/A
Spiller Phone: Not reported
Spiller: SAME
Spiller Address: NY
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 10/14/97
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 04/23/96
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1

NYCPD 84TH PRECINCT (Continued) S100781876

Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: they removed 4 550 gallon tanks and found the gas spill.apparent overf ill over the years. they will be doing more excavating tommorow.tanks w ere ok they had no leaks.

Spill Number: 9601818
Spill Date: 05/06/1996 15:00
ID: Not reported
Material Spilled 1 Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: KRIMGOLD
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: NYPD
Spiller Address: 1 POLICE PLAZA
NY, NY
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 05/28/96
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 05/06/96
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported

Region of Spill: 2
Reported to Dept: 05/06/96 15:32
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

NYCPD 84TH PRECINCT (Continued) S100781876

Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: caller just got results back today after performing a tank removal

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45 WNW 1/8-1/4 980 ft. **POLYTECHNIC UNIVERSITY** UST U003127200
305 BRIDGE STREET N/A
BROOKLYN, NY 11201

Relative: Higher
Actual: 35 ft.

PBS UST:
PBS Number: 2-602773
SPDES Number: Not reported
Operator: KEVIN S. O'ROURKE
(718) 260-3168
Emergency Contact: KEVIN S. O'ROURKE
(718) 260-3168
Total Tanks: 0
Owner: POLYTECHNIC UNIVERSITY
333 JOY STREET
BROOKLYN, NY 11201
(718) 260-3660
Owner Type: Not reported
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: POLYTECHNIC UNIVERSITY
ATTN: KEVIN ORURKE
333 JOY STREET
BROOKLYN, NY 11201
(718) 260-3660
Tank Status: Closed - In Place
Capacity (gals): 2000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE/NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE/NONE
Second Containment: NONE/NONE
Leak Detection: NONE/NONE
Overfill Prot: Vent Whistle
Date Tested: Not reported
Date Closed: Not reported
Deleted: False
Dead Letter: False

CBS Number: Not reported
SWIS ID: 6301

Install Date: Not reported
Product Stored: NOS 1,2, OR 4 FUEL OIL
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: Minor data missing

POLYTECHNIC UNIVERSITY (Continued) U003127200

FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/13/1996
Old PBS Number:	Not reported	Expiration Date:	09/10/2001
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		
PBS Number:	2-602773	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6301
Operator:	KEVIN S. O'ROURKE (718) 260-3168		
Emergency Contact:	KEVIN S. O'ROURKE (718) 260-3168		
Total Tanks:	0		
Owner:	POLYTECHNIC UNIVERSITY 333 JOY STREET BROOKLYN, NY 11201 (718) 260-3660		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	POLYTECHNIC UNIVERSITY ATTN: KEVIN ORURKE 333 JOY STREET BROOKLYN, NY 11201 (718) 260-3660		
Tank Status:	Closed - In Place		
Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank Id:	005		
Tank Type:	Steel/carbon steel	Install Date:	10/01/1996
Tank Internal:	NONE	Product Stored:	NOS 5 OR 6 FUEL OIL
Pipe Location:	Underground	Pipe Internal:	NONE
Tank External:	NONE/NONE	Pipe Type:	STEEL/IRON
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	Vent Whistle	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	10/01/1996	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/13/1996
Old PBS Number:	Not reported	Expiration Date:	09/10/2001

POLYTECHNIC UNIVERSITY (Continued) U003127200

Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	63		
Region:	2		

L46
NW
1/8-1/4
983 ft.

Relative:
Lower

Actual:
30 ft.

MET TECH MOTOR
125 FLATBUSH AVENUE EXT.
BROOKLYN, NY 11201

UST U001842008
N/A

Site 1 of 4 in cluster L

PBS UST:

PBS Number:	2-601630	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	ROBERT POTTER (718) 834-5770		
Emergency Contact:	ROBERT POTTER (718) 638-1337		
Total Tanks:	0		
Owner:	329 GOLD STREET ASSOCIATES 125 FLATBUSH AVENUE EXT. BROOKLYN, NY 11201 (718) 638-1337		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	EASTERN CONSULTING INC. ATTN: JOANN MENA 208 ROUTE 109 FARMINGDALE, NY 11735 (516) 249-3150		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	11/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	11/05/1998
Inspected Date:	Not reported	Inspector:	Not reported

MET TECH MOTOR (Continued) U001842008

Inspection Result:	Not reported
Lat/long:	Not reported
Facility Type:	OTHER
Town or City:	NEW YORK CITY
Town or City Code:	01
County Code:	61
Region:	2

PBS Number:	2-601630	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	ROBERT POTTER (718) 834-5770		
Emergency Contact:	ROBERT POTTER (718) 638-1337		
Total Tanks:	0		
Owner:	329 GOLD STREET ASSOCIATES 125 FLATBUSH AVENUE EXT. BROOKLYN, NY 11201 (718) 638-1337		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	EASTERN CONSULTING INC. ATTN: JOANN MENA 208 ROUTE 109 FARMINGDALE, NY 11735 (516) 249-3150		
Tank Status:	Closed - Removed		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	11/01/1993	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	Not reported
Old PBS Number:	Not reported	Expiration Date:	11/05/1998
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		

MET TECH MOTOR (Continued) U001842008

Region: 2

PBS Number: 2-601630
SPDES Number: Not reported
Operator: ROBERT POTTER
(718) 834-5770
Emergency Contact: ROBERT POTTER
(718) 638-1337
Total Tanks: 0
Owner: 329 GOLD STREET ASSOCIATES
125 FLATBUSH AVENUE EXT.
BROOKLYN, NY 11201
(718) 638-1337
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: EASTERN CONSULTING INC.
ATTN: JOANN MENA
208 ROUTE 109
FARMINGDALE, NY 11735
(516) 249-3150
Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 003
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: None
Date Tested: Not reported
Date Closed: 11/01/1993
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 0
Tank Screen: 0
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

CBS Number: Not reported
SWIS ID: 6101

Install Date: Not reported
Product Stored: UNLEADED GASOLINE
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing

Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: Not reported
Expiration Date: 11/05/1998
Inspector: Not reported

PBS Number: 2-601630
SPDES Number: Not reported
Operator: ROBERT POTTER
(718) 834-5770

CBS Number: Not reported
SWIS ID: 6101

MET TECH MOTOR (Continued) U001842008

Emergency Contact: ROBERT POTTER
(718) 638-1337
Total Tanks: 0
Owner: 329 GOLD STREET ASSOCIATES
125 FLATBUSH AVENUE EXT.
BROOKLYN, NY 11201
(718) 638-1337
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: EASTERN CONSULTING INC.
ATTN: JOANN MENA
208 ROUTE 109
FARMINGDALE, NY 11735
(516) 249-3150
Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 004
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: None
Date Tested: Not reported
Date Closed: 11/01/1993
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 0
Tank Screen: 0
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: Not reported
Product Stored: UNLEADED GASOLINE
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing

Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: Not reported
Expiration Date: 11/05/1998
Inspector: Not reported

PBS Number: 2-601630
SPDES Number: Not reported
Operator: ROBERT POTTER
(718) 834-5770
Emergency Contact: ROBERT POTTER
(718) 638-1337
Total Tanks: 0
Owner: 329 GOLD STREET ASSOCIATES
125 FLATBUSH AVENUE EXT.
BROOKLYN, NY 11201

CBS Number: Not reported
SWIS ID: 6101

MET TECH MOTOR (Continued) U001842008

(718) 638-1337
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: EASTERN CONSULTING INC.
ATTN: JOANN MENA
208 ROUTE 109
FARMINGDALE, NY 11735
(516) 249-3150
Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 005
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: None
Date Tested: Not reported
Date Closed: 11/01/1993
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 0
Tank Screen: 0
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: Not reported
Product Stored: UNLEADED GASOLINE
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: Not reported
Expiration Date: 11/05/1998
Inspector: Not reported

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
4 additional NY PBS record(s) in the EDR Site Report.

47
SW
1/8-1/4
985 ft.

UNITED DUFFIELD CO.
214 DUFFIELD ST
BROOKLYN, NY 11201

UST U000407194
N/A

Relative:
Higher

Actual:
44 ft.

PBS UST:
PBS Number: 2-373060
SPDES Number: Not reported
Operator: UNITED DUFFIELD CO.
(718) 596-6500
Emergency Contact: ALBERT LABOZ
(718) 596-6500
Total Tanks: 1

CBS Number: Not reported
SWIS ID: 6101

UNITED DUFFIELD CO. (Continued) U000407194

Owner: UNITED DUFFIELD CO.
379 BRIDGE ST
BROOKLYN, NY 11201
(718) 596-6500
Owner Type: Corporate/Commercial
Owner Mark: Second Owner
Owner Subtype: Not reported
Mailing Address: UNITED DUFFIELD CO.
379 BRIDGE ST
BROOKLYN, NY 11201
(718) 596-6500
Tank Status: In Service
Capacity (gals): 3000
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 1
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: Product Level Gauge
Date Tested: Not reported
Date Closed: Not reported
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 3000
Tank Screen: Minor data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: Not reported
Product Stored: NOS 1,2, OR 4 FUEL OIL
Pipe Internal: Not reported
Pipe Type: STEEL/IRON

Dispenser: Gravity
Next Test Date: Not reported
Test Method: Not reported
Updated: False
Owner Screen: Minor data missing

Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 08/24/1994
Expiration Date: 08/23/1999
Inspector: Not reported

PBS OWNHIST
Operator: BAUM REALTY
Emergency: BAUM REALTY
Emergency Tel: (718) 596-6822
Facility Type: Not reported
Facility Owner: BAUM REALTY
Facility Address: 214 DUFFIELD ST
214 DUFFIELD ST
BROOKLYN, NY 11201
Inspector: Not reported
Insp Result: Not reported
Owner: BAUM REALTY
Owner Tel: (718) 596-6822
Owner Subtype: Not reported
Mail Address: BAUM REALTY

Old PBSNO: Not reported

Inspect Date: Not reported
Federal ID: Not reported

Owner Type: Not reported

UNITED DUFFIELD CO. (Continued) U000407194

214 DUFFIELD ST
BROOKLYN, NY 11201
Not reported
(718) 596-6822

Owner Mark:	First Owner		
Certify Date:	10/23/1992	Expiration:	10/23/1992
Total Capacity (Gal):	3000		

CBS Registration Num :	Not reported
SPDES Number:	Not reported
Lat/Long :	Not reported
County Facility:	6101
Facility Phone :	(718) 596-6822
Num of Active Tanks :	1
Facility Owner:	BAUM REALTY
Facility Address:	214 DUFFIELD ST
	BROOKLYN, NY 11201
Owner Phone:	(718) 596-6822
Facility Status:	1
Certificate Needs Printed :	False
Renewal Printed :	False
Pre-printed Renewal Form Last Printed :	Not reported
Fiscal Amt For Registration Fee Pbsrect:	True
Dt Ownership Transfer Occurr In Computer :	08/23/1994
Facility Record Updated:	True

L48
NW
1/8-1/4
987 ft.

MERIT OIL CORP
132 FLATBUSH AVE EXT
BROOKLYN, NY 11201

RCRA-SQG 1000263793
FINDS NYD982185886
UST

Site 2 of 4 in cluster L

Relative:
Equal

Actual:
31 ft.

RCRAInfo:

Owner:	MERIT OIL CORP
	(212) 555-1212
EPA ID:	NYD982185886
Contact:	Not reported
Classification:	Small Quantity Generator
TSDF Activities:	Not reported
Violation Status:	No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
Resource Conservation and Recovery Act Information system

PBS UST:

PBS Number:	2-297445	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	MERIT OIL OF NEW YORK		
	(212) 527-7900		
Emergency Contact:	MORT CRAINE		
	(212) 527-7900		

MERIT OIL CORP (Continued) 1000263793

Total Tanks: 0
Owner: MERIT OIL OF NEW YORK INC
551 W LANCASTER AVE
HAVERFORD, PA 19041
(215) 527-7900
Owner Type: Not reported
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: NYC DEP OF HPD
ATTN: PROP. MGNT
75 MAIDEN ST., 6TH FLOOR
NY, NYPA 10038
(000) 000-0000
Tank Status: Closed - Removed
Capacity (gals): 5000
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Id: 0R1
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 2
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: VAULT
Leak Detection: NONE
Overfill Prot: 2
Date Tested: Not reported
Date Closed: Not reported
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 0
Tank Screen: 0
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: Not reported
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 09/01/1959
Product Stored: LEADED GASOLINE
Pipe Internal: Not reported
Pipe Type: GALVANIZED STEEL

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: Minor data missing

Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: Minor data missing
Certification Date: 11/16/1987
Expiration Date: 11/16/1992
Inspector: Not reported

PBS Number: 2-297445
SPDES Number: Not reported
Operator: MERIT OIL OF NEW YORK
(212) 527-7900
Emergency Contact: MORT CRAINE
(212) 527-7900
Total Tanks: 0
Owner: MERIT OIL OF NEW YORK INC
551 W LANCASTER AVE
HAVERFORD, PA 19041
(215) 527-7900
Owner Type: Not reported

CBS Number: Not reported
SWIS ID: 6101

MERIT OIL CORP (Continued) 1000263793

Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: NYC DEP OF HPD
ATTN: PROP. MGNT
75 MAIDEN ST., 6TH FLOOR
NY, NYPA 10038
(000) 000-0000
Tank Status: Closed - Removed
Capacity (gals): 5000
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Id: 0R2
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 2
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: VAULT
Leak Detection: NONE
Overfill Prot: 2
Date Tested: Not reported
Date Closed: Not reported
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 0
Tank Screen: 0
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: Not reported
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 09/01/1959
Product Stored: LEADED GASOLINE
Pipe Internal: Not reported
Pipe Type: GALVANIZED STEEL

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: Minor data missing

Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: Minor data missing
Certification Date: 11/16/1987
Expiration Date: 11/16/1992
Inspector: Not reported

PBS Number: 2-297445
SPDES Number: Not reported
Operator: MERIT OIL OF NEW YORK
(212) 527-7900
Emergency Contact: MORT CRAINE
(212) 527-7900
Total Tanks: 0

CBS Number: Not reported
SWIS ID: 6101

Owner: MERIT OIL OF NEW YORK INC
551 W LANCASTER AVE
HAVERFORD, PA 19041
(215) 527-7900
Owner Type: Not reported
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: NYC DEP OF HPD
ATTN: PROP. MGNT
75 MAIDEN ST., 6TH FLOOR
NY, NYPA 10038

MERIT OIL CORP (Continued) 1000263793

(000) 000-0000
Tank Status: Closed - Removed
Capacity (gals): 5000
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Id: 0U3
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 2
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: VAULT
Leak Detection: NONE
Overfill Prot: 2
Date Tested: Not reported
Date Closed: Not reported
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 0
Tank Screen: 0
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: Not reported
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 09/01/1959
Product Stored: UNLEADED GASOLINE
Pipe Internal: Not reported
Pipe Type: GALVANIZED STEEL
Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: Minor data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: Minor data missing
Certification Date: 11/16/1987
Expiration Date: 11/16/1992
Inspector: Not reported

PBS Number: 2-297445
SPDES Number: Not reported
Operator: MERIT OIL OF NEW YORK
(212) 527-7900
Emergency Contact: MORT CRAINE
(212) 527-7900
Total Tanks: 0
Owner: MERIT OIL OF NEW YORK INC
551 W LANCASTER AVE
HAVERFORD, PA 19041
(215) 527-7900
Owner Type: Not reported
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: NYC DEP OF HPD
ATTN: PROP. MGNT
75 MAIDEN ST., 6TH FLOOR
NY, NYPA 10038
(000) 000-0000

CBS Number: Not reported
SWIS ID: 6101

Tank Status: Closed - Removed
Capacity (gals): 5000
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Id: 0U4
Tank Type: Steel/carbon steel

Install Date: 09/01/1959
Product Stored: UNLEADED GASOLINE

MERIT OIL CORP (Continued) 1000263793

Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	VAULT		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	11/16/1987
Old PBS Number:	Not reported	Expiration Date:	11/16/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-297445	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	MERIT OIL OF NEW YORK (212) 527-7900		
Emergency Contact:	MORT CRAINE (212) 527-7900		
Total Tanks:	0		
Owner:	MERIT OIL OF NEW YORK INC 551 W LANCASTER AVE HAVERFORD, PA 19041 (215) 527-7900		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	NYC DEP OF HPD ATTN: PROP. MGNT 75 MAIDEN ST., 6TH FLOOR NY, NYPA 10038 (000) 000-0000		

Tank Status:	Closed - Removed		
Capacity (gals):	5000		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	0D5	Install Date:	09/01/1959
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	VAULT		

MERIT OIL CORP (Continued) 1000263793

Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	Minor data missing
Certification Flag:	False	Certification Date:	11/16/1987
Old PBS Number:	Not reported	Expiration Date:	11/16/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	Not reported		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access 3 additional NY PBS record(s) in the EDR Site Report.

M49
WSW
1/8-1/4
1045 ft.

Relative:
Higher

Actual:
44 ft.

NEW YORK TELEPHONE CO
101 WILLOUGHBY ST
BROOKLYN, NY 11201

RCRA-SQG 1000872773
FINDS NYD987039914

Site 1 of 2 in cluster M

RCRAinfo:

Owner: NEW YORK TELEPHONE CO
(212) 338-7694
EPA ID: NYD987039914

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
N50 / WNW / 1/8-1/4 / 1055 ft.	POLYTECHNIC UNIVERSITY 122 JOHNSON ST BROOKLYN, NY 11201	UST	U001833294 N/A

Site 1 of 3 in cluster N

Relative: Higher

Actual: 34 ft.

PBS UST:

PBS Number:	2-158224	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	POLYTECHNIC UNIVERSITY (718) 260-3660		
Emergency Contact:	KEVIN O'ROURKE (516) 661-0592		
Total Tanks:	1		
Owner:	POLYTECHNIC UNIVERSITY 333 JAY ST BROOKLYN, NY 11201 (718) 260-3660		
Owner Type:	Not reported		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	POLYTECHNIC UNIVERSITY ATTN: KEVIN O'ROURKE 333 JAY ST BROOKLYN, NY 11201 (718) 260-3660		
Tank Status:	In Service		
Capacity (gals):	5000		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	001	Install Date:	12/01/1950
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	VAULT		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	False
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	5000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/19/1998
Old PBS Number:	Not reported	Expiration Date:	06/05/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
N51 WNW 1/8-1/4 1055 ft.	CON ED - V 3268 264 BRIDGE ST BROOKLYN, NY 11231	RCRA-SQG	1007206505 NYP004010948

Relative: Higher

Actual: 34 ft.

Site 2 of 3 in cluster N

RCRAInfo:

Contact: ANTHONY G DRUMMINGS
(212) 460-3770

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

N52 WNW 1/8-1/4 1055 ft.	CON ED - MH 10126 BRIDGE ST & JOHNSON AVE BROOKLYN, NY 11201	RCRA-SQG	1007206508 NYP004011037

Relative: Higher

Actual: 34 ft.

Site 3 of 3 in cluster N

RCRAInfo:

Contact: ANTHONY G DRUMMINGS
(212) 460-3770

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

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53 WSW 1/8-1/4 1080 ft.	VERIZON - BRIDGE ST CO 360 BRIDGE ST BROOKLYN, NY 11201	RCRA-SQG FINDS	1000791077 NYD987025780

Relative: Higher

Actual: 43 ft.

RCRAInfo:

Owner: NEW YORK TELEPHONE CO
(212) 555-1212

EPA ID: NYD987025780

Contact: Not reported

Classification: Small Quantity Generator
TSDF Activities: Not reported

VERIZON - BRIDGE ST CO (Continued) 1000791077

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

CT MANIFEST

Click this hyperlink while viewing on your computer to access additional CT MANIFEST detail in the EDR Site Report.

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
Resource Conservation and Recovery Act Information system

L54
NW
1/8-1/4
1101 ft.

SHELL
112 FLATBUSH AVE
BKLYN, NY 11201

UST U000396427
N/A

Site 3 of 4 in cluster L

Relative:
Higher

Actual:
32 ft.

PBS UST:

PBS Number:	2-191086	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	BRAD IVERSON (718) 942-4120		
Emergency Contact:	BRAD IVERSON (718) 942-4120		
Total Tanks:	0		
Owner:	SHELL OIL COMPANY ONE JERICHO PLAZA JERICHO, NY 11753 (718) 942-4120		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	LARRY E. TYREE CO.,INC. ATTN: GLENN GRAHAM 208 ROUTE 109 FARMINGDALE, NY 11735 (516) 249-3150		
Tank Status:	Closed - Removed		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	12/01/1970
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	2	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	08/01/1988	Next Test Date:	Not reported
Date Closed:	09/01/1992	Test Method:	AINLAY
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing

SHELL (Continued) U000396427

FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	0	Renewal Date:	Not reported
Tank Screen:	0	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	10/29/1987
Old PBS Number:	Not reported	Expiration Date:	10/29/1992
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-191086		
SPDES Number:	Not reported	CBS Number:	Not reported
Operator:	BRAD IVERSON (718) 942-4120	SWIS ID:	6101
Emergency Contact:	BRAD IVERSON (718) 942-4120		
Total Tanks:	0		
Owner:	SHELL OIL COMPANY ONE JERICHO PLAZA JERICHO, NY 11753 (718) 942-4120		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	LARRY E. TYREE CO.,INC. ATTN: GLENN GRAHAM 208 ROUTE 109 FARMINGDALE, NY 11735 (516) 249-3150		
Tank Status:	Closed - Removed		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	002		
Tank Type:	Steel/carbon steel	Install Date:	12/01/1975
Tank Internal:	EPOXY LINER	Product Stored:	UNLEADED GASOLINE
Pipe Location:	2	Pipe Internal:	Not reported
Tank External:	Not reported	Pipe Type:	GALVANIZED STEEL
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2		
Date Tested:	08/01/1988	Dispenser:	Suction
Date Closed:	12/01/1975	Next Test Date:	Not reported
Deleted:	False	Test Method:	AINLAY
Dead Letter:	False	Updated:	True
FAMT:	Fiscal amount for registration fee is correct	Owner Screen:	Minor data missing
Total Capacity:	0		
Tank Screen:	0	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	10/29/1987
		Expiration Date:	10/29/1992

SHELL (Continued) U000396427

Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-191086	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	BRAD IVERSON (718) 942-4120		
Emergency Contact:	BRAD IVERSON (718) 942-4120		
Total Tanks:	0		
Owner:	SHELL OIL COMPANY ONE JERICHO PLAZA JERICHO, NY 11753 (718) 942-4120		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	LARRY E. TYREE CO.,INC. ATTN: GLENN GRAHAM 208 ROUTE 109 FARMINGDALE, NY 11735 (516) 249-3150		
Tank Status:	Closed - Removed		
Capacity (gals):	4000		
Tank Location:	UNDERGROUND		
Tank Id:	003		
Tank Type:	Steel/carbon steel	Install Date:	12/01/1975
Tank Internal:	EPOXY LINER	Product Stored:	LEADED GASOLINE
Pipe Location:	2	Pipe Internal:	Not reported
Tank External:	Not reported	Pipe Type:	GALVANIZED STEEL
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2		
Date Tested:	08/01/1988	Dispenser:	Suction
Date Closed:	12/01/1975	Next Test Date:	Not reported
Deleted:	False	Test Method:	AINLAY
Dead Letter:	False	Updated:	True
FAMT:	Fiscal amount for registration fee is correct	Owner Screen:	Minor data missing
Total Capacity:	0		
Tank Screen:	0	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	10/29/1987
Inspected Date:	Not reported	Expiration Date:	10/29/1992
Inspection Result:	Not reported	Inspector:	Not reported
Lat/long:	Not reported		
Facility Type:	RETAIL GASOLINE SALES		
Town or City:	NEW YORK CITY		
Town or City Code:	01		

SHELL (Continued) U000396427

County Code: 61
Region: 2

PBS Number: 2-191086
SPDES Number: Not reported
Operator: BRAD IVERSON
(718) 942-4120
Emergency Contact: BRAD IVERSON
(718) 942-4120
Total Tanks: 0
Owner: SHELL OIL COMPANY
ONE JERICHO PLAZA
JERICHO, NY 11753
(718) 942-4120
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: LARRY E. TYREE CO.,INC.
ATTN: GLENN GRAHAM
208 ROUTE 109
FARMINGDALE, NY 11735
(516) 249-3150

CBS Number: Not reported
SWIS ID: 6101

Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 004
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 2
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: 3
Date Tested: Not reported
Date Closed: 12/01/1971
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 0
Tank Screen: 0
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: RETAIL GASOLINE SALES
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 12/01/1971
Product Stored: OTHER
Pipe Internal: Not reported
Pipe Type: GALVANIZED STEEL

Dispenser: Gravity
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: Minor data missing

Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 10/29/1987
Expiration Date: 10/29/1992
Inspector: Not reported

PBS Number: 2-191086
SPDES Number: Not reported
Operator: BRAD IVERSON

CBS Number: Not reported
SWIS ID: 6101

SHELL (Continued) U000396427

Emergency Contact:	(718) 942-4120 BRAD IVERSON (718) 942-4120
Total Tanks:	0
Owner:	SHELL OIL COMPANY ONE JERICHO PLAZA JERICHO, NY 11753 (718) 942-4120
Owner Type:	Corporate/Commercial
Owner Mark:	First Owner
Owner Subtype:	Not reported
Mailing Address:	LARRY E. TYREE CO.,INC. ATTN: GLENN GRAHAM 208 ROUTE 109 FARMINGDALE, NY 11735 (516) 249-3150
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)
Capacity (gals):	550
Tank Location:	UNDERGROUND
Tank Id:	005
Tank Type:	Steel/carbon steel
Tank Internal:	Not reported
Pipe Location:	Not reported
Tank External:	Not reported
Missing Data for Tank:	Minor Data Missing
Pipe External:	Not reported
Second Containment:	NONE
Leak Detection:	NONE
Overfill Prot:	2
Date Tested:	Not reported
Date Closed:	Not reported
Deleted:	False
Dead Letter:	False
FAMT:	Fiscal amount for registration fee is correct
Total Capacity:	0
Tank Screen:	0
Renew Flag:	Renwal has not been printed
Certification Flag:	False
Old PBS Number:	Not reported
Inspected Date:	Not reported
Inspection Result:	Not reported
Lat/long:	Not reported
Facility Type:	RETAIL GASOLINE SALES
Town or City:	NEW YORK CITY
Town or City Code:	01
County Code:	61
Region:	2

Install Date:	12/01/1966
Product Stored:	NOS 1,2, OR 4 FUEL OIL
Pipe Internal:	Not reported
Pipe Type:	Not reported
Dispenser:	Suction
Next Test Date:	Not reported
Test Method:	Not reported
Updated:	False
Owner Screen:	Minor data missing
Renewal Date:	Not reported
Federal ID:	Not reported
Facility Screen:	No data missing
Certification Date:	10/29/1987
Expiration Date:	10/29/1992
Inspector:	Not reported

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
12 additional NY PBS record(s) in the EDR Site Report.

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
L55 NW 1/8-1/4 1101 ft.	SHELL SERVICE STATION 112 FLATBUSH AVE BROOKLYN, NY 11201	RCRA-SQG FINDS	1000552143 NYD986945368

Relative: Higher

Actual: 32 ft.

Site 4 of 4 in cluster L

RCRAInfo:

Owner: SHELL OIL CO
(212) 555-1212
EPA ID: NYD986945368
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
Resource Conservation and Recovery Act Information system

O56 NE 1/8-1/4 1112 ft.	INGERSOLL HOUSES 25 MONUMENT WALK BROOKLYN, NY 11208	UST	U003065902 N/A

Relative: Lower

Actual: 18 ft.

Site 1 of 3 in cluster O

PBS UST:

PBS Number: 2-602603
SPDES Number: Not reported
Operator: MR. LUIS PONCE
(718) 707-5725
Emergency Contact: EMERGENCY SERVICE SQUAD
(718) 289-3940
Total Tanks: 1
Owner: NYC HOUSING AUTHORITY
23-02 49TH AVENUE
LONG ISLAND CITY, NY 11101
(718) 707-5725
Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: 51
Mailing Address: NYC HOUSING AUTHORITY
ATTN: MR. LUIS PONCE
23-02 49TH AVENUE
LONG ISLAND CITY, NY 11101
(718) 707-5725
Tank Status: Closed - Removed
Capacity (gals): 35000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE
Missing Data for Tank: No Missing Data
Pipe External: WRAPPED [PIPING]
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: Product Level Gauge

CBS Number: Not reported
SWIS ID: 6101

Install Date: 02/01/1944
Product Stored: EMPTY
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction

INGERSOLL HOUSES (Continued) U003065902

Date Tested: Not reported
Date Closed: 03/01/1993
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 25000
Tank Screen: Minor data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: APARTMENT BUILDING
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: Minor data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 02/09/2001
Expiration Date: 02/05/2006
Inspector: Not reported

PBS Number: 2-602603
SPDES Number: Not reported
Operator: MR. LUIS PONCE
(718) 707-5725
Emergency Contact: EMERGENCY SERVICE SQUAD
(718) 289-3940
Total Tanks: 1
Owner: NYC HOUSING AUTHORITY
23-02 49TH AVENUE
LONG ISLAND CITY, NY 11101
(718) 707-5725
Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: 51
Mailing Address: NYC HOUSING AUTHORITY
ATTN: MR. LUIS PONCE
23-02 49TH AVENUE
LONG ISLAND CITY, NY 11101
(718) 707-5725

CBS Number: Not reported
SWIS ID: 6101

Tank Status: Closed - Removed
Capacity (gals): 50000
Tank Location: UNDERGROUND
Tank Id: 002
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE
Missing Data for Tank: No Missing Data
Pipe External: WRAPPED [PIPING]
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: Product Level Gauge
Date Tested: Not reported
Date Closed: 03/01/1993
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 25000

Install Date: 02/01/1944
Product Stored: EMPTY
Pipe Internal: NONE
Pipe Type: STEEL/IRON
Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: Minor data missing
Renewal Date: Not reported

INGERSOLL HOUSES (Continued) U003065902

Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	02/09/2001
Old PBS Number:	Not reported	Expiration Date:	02/05/2006
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	APARTMENT BUILDING		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-602603	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	MR. LUIS PONCE (718) 707-5725		
Emergency Contact:	EMERGENCY SERVICE SQUAD (718) 289-3940		
Total Tanks:	1		
Owner:	NYC HOUSING AUTHORITY 23-02 49TH AVENUE LONG ISLAND CITY, NY 11101 (718) 707-5725		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	51		
Mailing Address:	NYC HOUSING AUTHORITY ATTN: MR. LUIS PONCE 23-02 49TH AVENUE LONG ISLAND CITY, NY 11101 (718) 707-5725		
Tank Status:	In Service		
Capacity (gals):	25000		
Tank Location:	UNDERGROUND		
Tank Id:	001		
Tank Type:	Fiberglass reinforced plastic [FRP]	Install Date:	10/01/1993
Tank Internal:	FIBERGLASS LINER [FRP]	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Pipe Location:	Underground	Pipe Internal:	Not reported
Tank External:	FIBERGLASS	Pipe Type:	Not reported
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	DOUBLED-WALLED TANK		
Leak Detection:	INTERSTITIAL MONITORING		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	10/01/2008
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	25000		
Tank Screen:	Minor data missing	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	02/09/2001
Inspected Date:	Not reported	Expiration Date:	02/05/2006
Inspection Result:	Not reported	Inspector:	Not reported

INGERSOLL HOUSES (Continued) U003065902

Lat/long: Not reported
Facility Type: APARTMENT BUILDING
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

O57
NE
1/8-1/4
1114 ft.

INGERSOLL HOUSES
22 MONUMENT WALK
BROOKLYN, NY

LTANKS S100560313
N/A

Relative:
Lower

Actual:
18 ft.

Site 2 of 3 in cluster O

LTANKS:
Spill Number: 9302408
Spill Date: 05/21/1993 10:30
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: SACCACIO
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: NYCHA
Spiller Address: Not reported
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Responsible Party
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 07/19/93
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 05/25/93
Date Region Sent Summary to Central Office: / /

Region of Spill: 2
Reported to Dept: 05/21/93 10:37
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1

INGERSOLL HOUSES (Continued) S100560313

Quantity Spilled: 0
Units: Not reported
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #6 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #6 FUEL OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 2190
DEC Remarks: Not reported
Spill Cause: DISCOVERED SOIL IN TANK PULL WOULD LIKE CALL BACK.

O58
NNE
1/8-1/4
1124 ft.

INGERSOLL HOUSES
8 MONUMENT WALK
BROOKLYN, NY

LTANKS S100560307
N/A

Relative:
Lower

Actual:
18 ft.

Site 3 of 3 in cluster O

LTANKS:

Spill Number: 9302287
Spill Date: 05/18/1993 15:00
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: SACCACIO
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: NYC HOUSING AUTHORITY
Spiller Address: 8 MONUMENT WALK
BROOKLYN, NY
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /

Region of Spill: 2
Reported to Dept: 05/19/93 10:00
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: (212) 306-8482
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 04/26/94
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 05/20/93
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported

INGERSOLL HOUSES (Continued) S100560307

Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #6 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #6 FUEL OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 2190
DEC Remarks: Not reported
Spill Cause: DICOVERED SOIL IN TANK PULL. SOME SOIL EXCAVATED AND PUT ON POLY.

M59
WSW
1/8-1/4
1143 ft.

MAGIC TOUCH CLEANERS
381 BRIDGE STREET
BROOKLYN, NY 11201

DRYCLEANERS **S106435328**
N/A

Relative:
Higher

Actual:
44 ft.

Site 2 of 2 in cluster M

Drycleaners:
Facility ID : 2-6101-01006
Region : KINGS

60
ESE
1/8-1/4
1156 ft.

GREENPARK CARE CENTER
140 EDWARDS STREET
BROOKLYN, NY 11201

UST **U002034191**
N/A

Relative:
Higher

Actual:
38 ft.

PBS UST:
PBS Number: 2-601843
SPDES Number: Not reported
Operator: PAUL PARAWAN
(718) 858-6400
Emergency Contact: PAUL PARAWAN
(718) 858-6400
Total Tanks: 1
Owner: GREENPARK CARE CENTER
140 ST EDUWARDS STREET
BROOKLYN, NY 11201
(718) 858-6400
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: GREENPARK CARE CENTER
ATTN: PAUL PARAWAN
140 ST EDUWARDS STREET
BROOKLYN, NY 11201
(718) 858-6400
Tank Status: In Service
Capacity (gals): 15000
Tank Location: UNDERGROUND

CBS Number: Not reported
SWIS ID: 6101

GREENPARK CARE CENTER (Continued) U002034191

Tank Id:	001		
Tank Type:	Steel/carbon steel	Install Date:	Not reported
Tank Internal:	NONE	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Pipe Location:	Underground	Pipe Internal:	Not reported
Tank External:	PAINTED/ASPHALT COATING	Pipe Type:	Not reported
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	EARTHEN DIKE		
Leak Detection:	NONE		
Overfill Prot:	None		
Date Tested:	11/23/1999	Dispenser:	Suction
Date Closed:	Not reported	Next Test Date:	11/23/2004
Deleted:	False	Test Method:	21
Dead Letter:	False	Updated:	True
FAMT:	Fiscal amount for registration fee is correct	Owner Screen:	No data missing
Total Capacity:	15000		
Tank Screen:	Minor data missing	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	03/23/1999
Inspected Date:	Not reported	Expiration Date:	05/06/2004
Inspection Result:	Not reported	Inspector:	Not reported
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

61
ENE
1/8-1/4
1157 ft.

WALT WHITMAN
93 SAINT EDWARD'S STREET
BROOKLYN, NY 11205

UST U001839487
N/A

Relative:
Lower

Actual:
21 ft.

PBS UST:

PBS Number:	2-345083		
SPDES Number:	Not reported	CBS Number:	Not reported
Operator:	BROOKLYN PUBLIC LIBRARY (718) 855-1508	SWIS ID:	6101
Emergency Contact:	BUILDINGS P MAINTENANCE (718) 780-7707		
Total Tanks:	0		
Owner:	BROOKLYN PUBLIC LIBRARY 1 GRAND ARMY PLAZA BROOKLYN, NY 11238 (718) 780-7707		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	BROOKLYN PUBLIC LIBRARY 1 GRAND ARMY PLAZA BROOKLYN, NY 11238 (718) 780-7707		
Tank Status:	Closed - In Place		
Capacity (gals):	2500		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	001		
Tank Type:	Steel/carbon steel	Install Date:	Not reported
Tank Internal:	Not reported	Product Stored:	NOS 1,2, OR 4 FUEL OIL
		Pipe Internal:	Not reported

WALT WHITMAN (Continued) U001839487

Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge		
Date Tested:	Not reported	Dispenser:	Suction
Date Closed:	Not reported	Next Test Date:	Not reported
Deleted:	False	Test Method:	Not reported
Dead Letter:	False	Updated:	True
FAMT:	Fiscal amount for registration fee is correct	Owner Screen:	No data missing
Total Capacity:	0		
Tank Screen:	0	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	11/12/1992
Inspected Date:	Not reported	Expiration Date:	12/14/1997
Inspection Result:	Not reported	Inspector:	Not reported
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

P62
NNE
1/8-1/4
1161 ft.

CON ED - M/H 60182
PARK & NAVY ST
BROOKLYN, NY 11205

RCRA-SQG **1007206350**
NYP004008470

Relative:
Lower

Actual:
23 ft.

Site 1 of 2 in cluster P

RCRAInfo:

Contact: ANTHONY G DRUMMINGS
(212) 460-3770

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

P63
NNE
1/8-1/4
1161 ft.

CON ED - MH 60182
PARK AVE & NAVY ST
BROOKLYN, NY 11205

RCRA-SQG **1007206123**
NYP004003927

Relative:
Lower

Actual:
23 ft.

Site 2 of 2 in cluster P

CON ED - MH 60182 (Continued) 1007206123

RCRAInfo:
Contact: ANTHONY G DRUMMINGS
(212) 460-3770

Classification: Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

Q64
NW
1/8-1/4
1201 ft.

SUNOCO GAS STATION
TILLARY ST / FLATBUSH AV
BROOKLYN, NY

LTANKS S104877140
N/A

Relative:
Higher

Actual:
33 ft.

Site 1 of 2 in cluster Q

LTANKS:
Spill Number: 0008991
Spill Date: 11/03/2000 01:00
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: In Sewer
Spill Cause: Tank Overfill
Water Affected: Not reported
Facility Contact: UNK
Investigator: OKWUOHA
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: CALLER
Spiller: UNK
Spiller Address: UNK
UNK, NY

Region of Spill: 2
Reported to Dept: 11/03/00 01:31
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: (000) 000-0000
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Local Agency
Cleanup Ceased: / /
Last Inspection: / /

PBS Number: Not reported

Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 11/03/00
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 11/03/00
Date Region Sent Summary to Central Office: / /
Tank Test:

SUNOCO GAS STATION (Continued) S104877140

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 25
Units: Gallons
Unknown Qty Spilled: 25
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: CALLER ADVISED THAT 25 GALS SPILLED INTO A CATCH BASIN. NONE HAS BEEN CL EANED UP. CALLER DOSN T KNOW THE NAME OR STREET NUMBER OF THE GAS STATIO N NOR THE DELIVERY COMPANY INFORMATION.

R65
WSW
1/8-1/4
1207 ft.

MAGIC TOUCH CLEANERS
381 BRIDGE ST
BROOKLYN, NY 11201

RCRA-SQG 1001405105
FINDS NYR000018994

Relative:
Higher

Actual:
44 ft.

Site 1 of 3 in cluster R

RCRAInfo:
Owner: MAGIC TOUCH CORP
(718) 852-6500
EPA ID: NYR000018994
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
Resource Conservation and Recovery Act Information system

Q66
NW
1/8-1/4
1207 ft.

ENGINE 207 / LADDER 110
172 TILLARY STREET
BROOKLYN, NY 11201

UST U003241861
AST N/A
NY Spills

Site 2 of 2 in cluster Q

Relative:
Higher

Actual:
34 ft.

SPILLS:

Spill Number: 9705042
Spill Date: 07/28/1997 09:00
ID: Not reported
Dt Call Received: Not reported
Material Spilled 1 :Not reported
Spill Cause: Housekeeping
Water Affected: Not reported
Facility Contact: TONY MARINO
Investigator: KRIMGOLD
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: NYC DEPARTMENT DESIGN & C
Spiller Address: 30-30 THOMPSON AVE, 5TH F
LONG ISLAND CITY, NY 11101

Region of Spill: 2
Reported to Dept: 07/28/97 09:09

Region Close Date Not reported
Amount Spilled 1 : Not reported
Resource Affected: On Land
Spill Source: Other Non Commercial/Industrial
Facility Tele: (718) 391-1062
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

DEC Remarks : Not reported
Remark: LABORATORY RESULTS TAKEN DURING A SUB-SURFACE INVESTIGATION INDICATE SOIL CONTAMINATION.
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329

Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 07/29/97
Is Updated: False
Corrective Action Plan Submitted: / /

PBS Number: Not reported
Cleanup Meets Std:False
Enforcement Date: / /
UST Involvement: False

ENGINE 207 / LADDER 110 (Continued) U003241861

Date Spill Entered In Computer Data File: 07/28/97
Date Region Sent Summary to Central Office: / /
True Date : Not reported

PBS UST:

PBS Number:	2-601790		
SPDES Number:	Not reported	CBS Number:	Not reported
Operator:	COMPANY OFFICER (718) 965-8207	SWIS ID:	6101
Emergency Contact:	F.D.N.Y. (718) 999-2094		
Total Tanks:	1		
Owner:	F.D.N.Y. 9 METROTECH CENTER BROOKLYN, NY 11201 (718) 403-1580		
Owner Type:	Local Government		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	F.D.N.Y.- BLDG. MAINTENANCE ATTN: DIRECTOR 48-34 35TH STREET LONG ISLAND CITY, NY 11101 (718) 784-6510		
Tank Status:	Closed - In Place		
Capacity (gals):	550		
Tank Location:	UNDERGROUND		
Tank Id:	004		
Tank Type:	Steel/carbon steel	Install Date:	01/01/1997
Tank Internal:	NONE	Product Stored:	DIESEL
Pipe Location:	Underground	Pipe Internal:	NONE
Tank External:	NONE/NONE	Pipe Type:	STEEL/IRON
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None		
Date Tested:	Not reported	Dispenser:	Suction
Date Closed:	01/01/1997	Next Test Date:	Not reported
Deleted:	False	Test Method:	Not reported
Dead Letter:	False	Updated:	True
FAMT:	Fiscal amount for registration fee is correct	Owner Screen:	No data missing
Total Capacity:	2500		
Tank Screen:	No data missing	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	08/13/1999
Inspected Date:	Not reported	Expiration Date:	03/16/2004
Inspection Result:	Not reported	Inspector:	Not reported
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-601790		
SPDES Number:	Not reported	CBS Number:	Not reported
		SWIS ID:	6101

ENGINE 207 / LADDER 110 (Continued) U003241861

Operator: COMPANY OFFICER
(718) 965-8207
Emergency Contact: F.D.N.Y.
(718) 999-2094
Total Tanks: 1
Owner: F.D.N.Y.
9 METROTECH CENTER
BROOKLYN, NY 11201
(718) 403-1580
Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: F.D.N.Y.- BLDG. MAINTENANCE
ATTN: DIRECTOR
48-34 35TH STREET
LONG ISLAND CITY, NY 11101
(718) 784-6510
Tank Status: Closed - In Place
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 005
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE/NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE/NONE
Second Containment: NONE/NONE
Leak Detection: NONE/NONE
Overfill Prot: None
Date Tested: Not reported
Date Closed: 01/01/1997
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 2500
Tank Screen: No data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 01/01/1997
Product Stored: DIESEL
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing

Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 08/13/1999
Expiration Date: 03/16/2004
Inspector: Not reported

PBS Number: 2-601790
SPDES Number: Not reported
Operator: COMPANY OFFICER
(718) 965-8207
Emergency Contact: F.D.N.Y.
(718) 999-2094
Total Tanks: 1
Owner: F.D.N.Y.

CBS Number: Not reported
SWIS ID: 6101

ENGINE 207 / LADDER 110 (Continued) U003241861

9 METROTECH CENTER
BROOKLYN, NY 11201
(718) 403-1580

Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: F.D.N.Y.- BLDG. MAINTENANCE
ATTN: DIRECTOR
48-34 35TH STREET
LONG ISLAND CITY, NY 11101
(718) 784-6510

Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 006
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE/NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE/NONE
Second Containment: NONE/NONE
Leak Detection: NONE/NONE
Overfill Prot: None
Date Tested: Not reported
Date Closed: 01/01/1997
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 2500
Tank Screen: No data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 01/01/1997
Product Stored: UNLEADED GASOLINE
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing

Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 08/13/1999
Expiration Date: 03/16/2004
Inspector: Not reported

PBS Number: 2-601790
SPDES Number: Not reported
Operator: COMPANY OFFICER
(718) 965-8207
Emergency Contact: F.D.N.Y.
(718) 999-2094
Total Tanks: 1
Owner: F.D.N.Y.
9 METROTECH CENTER
BROOKLYN, NY 11201
(718) 403-1580
Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: Not reported

CBS Number: Not reported
SWIS ID: 6101

ENGINE 207 / LADDER 110 (Continued) U003241861

Mailing Address: F.D.N.Y.- BLDG. MAINTENANCE
ATTN: DIRECTOR
48-34 35TH STREET
LONG ISLAND CITY, NY 11101
(718) 784-6510

Tank Status: Closed - In Place
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 007
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE/NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE/NONE
Second Containment: NONE/NONE
Leak Detection: NONE/NONE
Overfill Prot: None
Date Tested: Not reported
Date Closed: 01/01/1997
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 2500
Tank Screen: No data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 01/01/1997
Product Stored: UNLEADED GASOLINE
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing

Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 08/13/1999
Expiration Date: 03/16/2004
Inspector: Not reported

PBS Number: 2-601790
SPDES Number: Not reported
Operator: COMPANY OFFICER
(718) 965-8207
Emergency Contact: F.D.N.Y.
(718) 999-2094
Total Tanks: 1
Owner: F.D.N.Y.
9 METROTECH CENTER
BROOKLYN, NY 11201
(718) 403-1580
Owner Type: Local Government
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: F.D.N.Y.- BLDG. MAINTENANCE
ATTN: DIRECTOR
48-34 35TH STREET
LONG ISLAND CITY, NY 11101
(718) 784-6510
Tank Status: Closed - In Place

CBS Number: Not reported
SWIS ID: 6101

ENGINE 207 / LADDER 110 (Continued) U003241861

Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 008
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Underground
Tank External: NONE/NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE/NONE
Second Containment: NONE/NONE
Leak Detection: NONE/NONE
Overfill Prot: None
Date Tested: Not reported
Date Closed: 01/01/1997
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 2500
Tank Screen: No data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: 01/01/1997
Product Stored: UNLEADED GASOLINE
Pipe Internal: NONE
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 08/13/1999
Expiration Date: 03/16/2004
Inspector: Not reported

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access 3 additional NY PBS record(s) in the EDR Site Report.

PBS AST:
PBS Number: 2-601790
SPDES Number: Not reported
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Type: OTHER
Owner Type: Local Government
Owner Sub Type: Not reported
Owner: F.D.N.Y.
9 METROTECH CENTER
BROOKLYN, NY 11201
Owner Phone: (718) 403-1580
Facility Phone: (718) 965-8207
Operator: COMPANY OFFICER
Emergency Name: F.D.N.Y.
Emergency Phone: (718) 999-2094
Total Tanks: 1
Total Capacity: 2500
Tank ID: 002
Capacity (Gal): 550
Missing Data for Tank : No data missing

CBS Number: Not reported
SWIS Code: 6101
Previous PBS#: Not reported

ENGINE 207 / LADDER 110 (Continued) U003241861

Tank Location: ABOVEGROUND
Product Stored: DIESEL
Tank Type: Steel/carbon steel
Install Date: / /
Tank Internal: NONE
Tank External: NONE/NONE
Tank Containment: NONE/NONE
Pipe Type: STEEL/IRON
Pipe Location: Underground
Pipe Internal: NONE
Pipe External: NONE/NONE
Leak Detection: NONE/NONE
Overfill Protection: None
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: True
Date Inspected: Not reported
Result of Inspection: Not reported
Mailing Name: F.D.N.Y.- BLDG. MAINTENANCE
Mailing Address: 48-34 35TH STREET
LONG ISLAND CITY, NY 11101
Mailing Contact: DIRECTOR
Mailing Telephone: (718) 784-6510
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: Not reported
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2
Fiscal Amount for Registration Fee is Correct: True

Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: Not reported

Expiration Date: 03/16/2004
Certification Date: 08/13/1999
Renew Date: / /

PBS Number: 2-601790
SPDES Number: Not reported
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Type: OTHER
Owner Type: Local Government
Owner Sub Type: Not reported
Owner: F.D.N.Y.
9 METROTECH CENTER
BROOKLYN, NY 11201
Owner Phone: (718) 403-1580
Facility Phone: (718) 965-8207
Operator: COMPANY OFFICER
Emergency Name: F.D.N.Y.
Emergency Phone: (718) 999-2094
Total Tanks: 1
Total Capacity: 2500
Tank ID: 003

CBS Number: Not reported
SWIS Code: 6101
Previous PBS#: Not reported

ENGINE 207 / LADDER 110 (Continued) U003241861

Capacity (Gal):	550		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	DIESEL		
Tank Type:	Steel/carbon steel		
Install Date:	/ /		
Tank Internal:	NONE		
Tank External:	NONE/NONE		
Tank Containment:	NONE/NONE		
Pipe Type:	STEEL/IRON		
Pipe Location:	Underground		
Pipe Internal:	NONE		
Pipe External:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Protection:	None		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported
Result of Inspection:	Not reported		
Mailing Name:	F.D.N.Y.- BLDG. MAINTENANCE		
Mailing Address:	48-34 35TH STREET LONG ISLAND CITY, NY 11101		
Mailing Contact:	DIRECTOR		
Mailing Telephone:	(718) 784-6510		
Owner Mark:	First Owner	Expiration Date:	03/16/2004
Certification Flag:	False	Certification Date:	08/13/1999
Renew Flag:	False	Renew Date:	/ /
Lat/Long:	Not reported		
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	No data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

R67
WSW
1/8-1/4
1217 ft.

ST JOSEPH HIGH SCHOOL
80 WILLOUGHBY ST
BROOKLYN, NY 11201

UST U001837044
N/A

Site 2 of 3 in cluster R

Relative:
Higher

Actual:
45 ft.

PBS UST:

PBS Number:	2-359319	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	SISTER EUGENIA CALABRESE (718) 624-3618		
Emergency Contact:	SISTER EUGENIA CALABRESE (718) 624-3618		
Total Tanks:	2		
Owner:	SISTERS OF ST JOSEPH 80 WILLOUGHBY STREET BROOKLYN, NY 11201 (718) 624-3618		
Owner Type:	Corporate/Commercial		

ST JOSEPH HIGH SCHOOL (Continued) U001837044

Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	SISTERS OF ST JOSEPH 80 WILLOUGHBY ST BROOKLYN, NY 11201 (718) 624-3618		
Tank Status:	In Service		
Capacity (gals):	3000		
Tank Location:	UNDERGROUND		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	0	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	NONE
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/IN-TANK SYSTEM		
Overfill Prot:	Automatic Shut-Off	Dispenser:	None
Date Tested:	09/01/1999	Next Test Date:	09/01/2004
Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	6000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/15/1999
Old PBS Number:	Not reported	Expiration Date:	08/28/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-359319	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	SISTER EUGENIA CALABRESE (718) 624-3618		
Emergency Contact:	SISTER EUGENIA CALABRESE (718) 624-3618		
Total Tanks:	2		
Owner:	SISTERS OF ST JOSEPH 80 WILLOUGHBY STREET BROOKLYN, NY 11201 (718) 624-3618		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	SISTERS OF ST JOSEPH 80 WILLOUGHBY ST BROOKLYN, NY 11201 (718) 624-3618		
Tank Status:	In Service		

ST JOSEPH HIGH SCHOOL (Continued) U001837044

Capacity (gals):	3000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	NONE
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/IN-TANK SYSTEM		
Overfill Prot:	Automatic Shut-Off	Dispenser:	None
Date Tested:	09/01/1999	Next Test Date:	09/01/2004
Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	6000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/15/1999
Old PBS Number:	Not reported	Expiration Date:	08/28/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

R68
SW
1/8-1/4
1226 ft.

BRIDGE CLEANERS
384 BRIDGE STREET
BROOKLYN, NY 11201

RCRA-SQG 1000188813
FINDS NYD981079932
DRYCLEANERS

Site 3 of 3 in cluster R

Relative:
Higher

Actual:
44 ft.

RCRAinfo:

Owner:	Not reported
EPA ID:	NYD981079932
Contact:	Not reported
Classification:	Small Quantity Generator
TSDF Activities:	Not reported
Violation Status:	No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

BRIDGE CLEANERS (Continued) — 1000188813

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
Resource Conservation and Recovery Act Information system

Drycleaners:
Facility ID : 2-6101-00348
Region : KINGS

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69 West 1/8-1/4 1271 ft.

FOREST CITY BRIDGE STREET ASSOCIATES
2 METROTECH CTR
BROOKLYN, NY 11201

RCRA-SQG 1001028426
FINDS NYR000006585

Relative: Higher
Actual: 39 ft.

RCRAInfo:
Owner: FOREST CITY RATNER ENTERPRISES
(718) 797-5990
EPA ID: NYR000006585
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: No violations found

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

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70 South 1/8-1/4 1295 ft.

LONG ISLAND UNIVERSITY BROOKLYN CAMPUS
1 UNIVERSITY PLAZA
BROOKLYN, NY 11201

RCRA-SQG 1000105333
FINDS NYD095767679

Relative: Higher
Actual: 33 ft.

RCRAInfo:
Owner: LONG ISLAND UNIVERSITY
(212) 555-1212
EPA ID: NYD095767679
Contact: J GOFFREDO
(212) 555-1212
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: Violations exist

Regulation Violated: multiple
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 11/26/2001
Actual Date Achieved Compliance: 05/14/2003

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/05/1989
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/05/2002
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/15/2002

LONG ISLAND UNIVERSITY BROOKLYN CAMPUS (Continued) 1000105333

Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/27/2002
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 05/14/2003
Penalty Type: Proposed Monetary Penalty

Regulation Violated: Not reported
Area of Violation: GENERATOR-ANNUAL REPORTING REQUIREMENTS
Date Violation Determined: 10/07/1996
Actual Date Achieved Compliance: 11/27/1996

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/07/1996
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 05/30/1989
Actual Date Achieved Compliance: 10/05/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 07/20/1989
Penalty Type: Not reported

Regulation Violated: Not reported
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined: 10/24/1988
Actual Date Achieved Compliance: 10/05/1989

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 01/05/1989
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 04/05/2002
Penalty Type: Proposed Monetary Penalty

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 05/15/2002
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 09/27/2002
Penalty Type: Proposed Monetary Penalty

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 05/14/2003
Penalty Type: Proposed Monetary Penalty

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Final Monetary Penalty	5/14/2003	33000	EPA
Proposed Monetary Penalty	9/27/2002	219833	EPA

There are 4 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	20030514
Non-Financial Record Review	GENERATOR-ANNUAL REPORTING REQUIREMENTS	19961127

LONG ISLAND UNIVERSITY BROOKLYN CAMPUS (Continued) 1000105333

Compliance Evaluation Inspection GENERATOR-ALL REQUIREMENTS (OVERSIGHT) 19891005
Compliance Evaluation Inspection GENERATOR-ALL REQUIREMENTS (OVERSIGHT) 19891005

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Aerometric Information Retrieval System/AIRS Facility Subsystem
Integrated Compliance Information
Resource Conservation and Recovery Act Information system

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71 WSW 1/8-1/4 1301 ft.
75 WILLOUGHBY ST
75 WILLOUGBY STREET
BROOKLYN, NY
LTANKS S102672666
N/A

Relative: Higher
Actual: 45 ft.

LTANKS:
Spill Number: 9410520
Spill Date: 11/07/1994 15:00
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Facility Contact: Not reported
Investigator: TIBBE
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: BAERENKLAU
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: 11/08/94
Spill Notifier: Affected Persons
Cleanup Ceased: 11/08/94
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 12/08/94
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported

Region of Spill: 2
Reported to Dept: 11/07/94 17:50
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Tank Truck
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

75 WILLOUGHBY ST (Continued) S102672666

Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 1
Units: Gallons
Unknown Qty Spilled: Yes
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: DURING DELIVERY, OIL CAME OUT-USED DRYSOL TO CLEAN

---

72 SSW 1/8-1/4 1305 ft. **DIME SAVINGS BANK OF NEW YORK**
DE KALB AVE / FULTON ST
BROOKLYN, NY 11201

UST U000416773
N/A

Relative: Higher

Actual: 39 ft.

PBS UST:
PBS Number: 2-109924
SPDES Number: Not reported
Operator: DIME SAVINGS BANK OF NEW YORK
(718) 403-7592
Emergency Contact: DIME SAVINGS BANK OF NEW YORK
(516) 568-3688
Total Tanks: 1
Owner: DIME SAVINGS BANK OF NEW YORK
400 SUNRISE HIGHWAY
VALLEY STREAM, NY 11582
(516) 568-3688
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: DIME SAVINGS BANK OF NEW YORK
ATTN: LENOX DEBRA
FACILITIES DEPARTMENT
400 SUNRISE HIGHWAY
VALLEY STREAM, NY 11582
(516) 568-3688
Tank Status: In Service
Capacity (gals): 15000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 1
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: 2
Date Tested: 11/01/1989
Date Closed: Not reported
Deleted: False

CBS Number: Not reported
SWIS ID: 6101

Install Date: Not reported
Product Stored: NOS 1,2, OR 4 FUEL OIL
Pipe Internal: Not reported
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: 11/01/1994
Test Method: HORNER
Updated: True

DIME SAVINGS BANK OF NEW YORK (Continued) U000416773

Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	15000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	07/29/1997
Old PBS Number:	Not reported	Expiration Date:	07/10/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-109924	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	DIME SAVINGS BANK OF NEW YORK (718) 403-7592		
Emergency Contact:	DIME SAVINGS BANK OF NEW YORK (516) 568-3688		
Total Tanks:	1		
Owner:	DIME SAVINGS BANK OF NEW YORK 400 SUNRISE HIGHWAY VALLEY STREAM, NY 11582 (516) 568-3688		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	DIME SAVINGS BANK OF NEW YORK ATTN: LENOX DEBRA FACILITIES DEPARTMENT 400 SUNRISE HIGHWAY VALLEY STREAM, NY 11582 (516) 568-3688		
Tank Status:	Closed Prior to 04/91 (Either Closed In-Place or Removed)		
Capacity (gals):	2000		
Tank Location:	UNDERGROUND		
Tank Id:	002	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	1	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2	Dispenser:	Suction
Date Tested:	11/01/1989	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	HORNER
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	15000	Renewal Date:	Not reported
Tank Screen:	Minor data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing

DIME SAVINGS BANK OF NEW YORK (Continued) U000416773

Certification Flag:	False	Certification Date:	07/29/1997
Old PBS Number:	Not reported	Expiration Date:	07/10/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

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73 SW 1/8-1/4 1317 ft.

UNITED INSIGNIA
397 BRIDGE ST
BROOKLYN, NY 11201

RCRA-SQG 1006810700
FINDS NYR000115352

Relative: Higher

Actual: 45 ft.

RCRAInfo:
Owner: JAMES HAHL
(718) 222-3400
EPA ID: NYR000115352
Contact: JOHN HAHL
(718) 222-3400

Classification: Conditionally Exempt Small Quantity Generator
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

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74 West 1/4-1/2 1509 ft.

POLYTECHNIC UNIVERSITY
333 JAY ST
BROOKLYN, NY 11201

FINDS 1000442411
RCRA-LQG NYD066076225
UST
LTANKS

Relative: Higher

Actual: 47 ft.

RCRAInfo:
Owner: UNKNOWN
(212) 555-1212
EPA ID: NYD066076225
Contact: PROF STARNES
(718) 643-5235

Classification: Large Quantity Generator
TSDF Activities: Not reported

BIENNIAL REPORTS:
Last Biennial Reporting Year: 2001

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	2629.64	D002	639.02
D003	19.68	D005	15.00
D006	50.00	D007	8.34

POLYTECHNIC UNIVERSITY (Continued) 1000442411

D008	13104.00	D009	33.00
D019	266.89	D022	1334.45
LABP	41.70	P098	2.00
P105	1.00	P108	150.00
U103	8.34	U122	8.34
U188	340.00		

Violation Status: No violations found

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

FINDS:
Other Pertinent Environmental Activity Identified at Site:
AIRS/Air Quality Subsystem
Resource Conservation and Recovery Act Information system

LTANKS:

Spill Number: 0105087
Spill Date: 08/10/2001 10:30
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: KEVIN O'ROURKE
Investigator: SANGESLAND
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: KEVIN O'ROURKE
Spiller: POLYTECHNICL UNIVERSITY
Spiller Address: 333 JAY ST
BROOKLYN, NY
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 08/20/01
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 08/10/01
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported

Region of Spill: 2
Reported to Dept: 08/10/01 11:50
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: (718) 260-3040
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: (718) 260-3040

PBS Number: Not reported

POLYTECHNIC UNIVERSITY (Continued) 1000442411

Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: 8/10/2001 - Tony Kloss from Impact Environmetal office 516-453-2790 cel l phone 516-250-3187) Impact has been hired to remove two 4 oil tanks f rom sidewalk vaults on Jay St in front of PolyTech University. Impact di d some geoprobes and found contamination consistant with 4 oil. They a lso opened up the vaults and found 6 of floating product. The plan is t o excavate the site and remove the tanks probably in September 2001) A t that time they will try to over excavate and remove as much as possibl e. If end point samples remain high, they will need to propose a remedi ation. 8/20/2001 - Sangesland spoke with Tony Kloss. Samples came back, , some were high. Mr.Kloss is putting together a map with results and wi ll mail it to the DEC. He also reconfirmed that the tanks will be pulle d in September.
Spill Cause: caller reportng a spill at the jacob s building at above closing 2 tank s and believe spill is from that one tank 001 and tank 002 nys pbs 2-1 58232 no clean up and spill is subsurface

PBS UST:
PBS Number: 2-158232
CBS Number: Not reported
SPDES Number: Not reported
SWIS ID: 6101
Operator: KEVIN O'ROURKE
(718) 260-3040
Emergency Contact: KEVIN O'ROURKE
(516) 661-0592
Total Tanks: 1
Owner: POLYTECHNIC UNIVERSITY
SIX METROTECH CENTER
BROOKLYN, NY 11201
(718) 260-3660
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: POLYTECHNIC UNIVERSITY
ATTN: KEVIN O'ROURKE
SIX METROTECH CENTER
BROOKLYN, NY 11201
(718) 630-3040
Tank Status: In Service
Capacity (gals): 7500
Tank Location: UNDERGROUND, VAULTED, WITH ACCESS
Tank Id: 001-A
Install Date: 09/01/2001
Tank Type: Fiberglass coated steel
Product Stored: NOS 1,2, OR 4 FUEL OIL

POLYTECHNIC UNIVERSITY (Continued) 1000442411

Tank Internal:	FIBERGLASS LINER [FRP]	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	FIBERGLASS		
Missing Data for Tank:	No Missing Data		
Pipe External:	FIBERGLASS		
Second Containment:	VAULT		
Leak Detection:	VAPOR WELL		
Overfill Prot:	High Level Alarm, Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	7500	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/2001
Old PBS Number:	Not reported	Expiration Date:	06/05/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-158232	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	KEVIN O'ROURKE (718) 260-3040		
Emergency Contact:	KEVIN O'ROURKE (516) 661-0592		
Total Tanks:	1		
Owner:	POLYTECHNIC UNIVERSITY SIX METROTECH CENTER BROOKLYN, NY 11201 (718) 260-3660		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	POLYTECHNIC UNIVERSITY ATTN: KEVIN O'ROURKE SIX METROTECH CENTER BROOKLYN, NY 11201 (718) 630-3040		
Tank Status:	Closed - Removed		
Capacity (gals):	7500		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	001	Install Date:	Not reported
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		

POLYTECHNIC UNIVERSITY (Continued) **1000442411**

Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	09/01/2001	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	7500	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/2001
Old PBS Number:	Not reported	Expiration Date:	06/05/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		
PBS Number:	2-158232	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	KEVIN O'ROURKE (718) 260-3040		
Emergency Contact:	KEVIN O'ROURKE (516) 661-0592		
Total Tanks:	1		
Owner:	POLYTECHNIC UNIVERSITY SIX METROTECH CENTER BROOKLYN, NY 11201 (718) 260-3660		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	POLYTECHNIC UNIVERSITY ATTN: KEVIN O'ROURKE SIX METROTECH CENTER BROOKLYN, NY 11201 (718) 630-3040		
Tank Status:	Closed - Removed		
Capacity (gals):	7500		
Tank Location:	UNDERGROUND, VAULTED, WITH ACCESS		
Tank Id:	002	Install Date:	09/01/2001
Tank Type:	Steel/carbon steel	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	Not reported	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	Minor data missing

POLYTECHNIC UNIVERSITY (Continued) **1000442411**

FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	7500	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	09/14/2001
Old PBS Number:	Not reported	Expiration Date:	06/05/2002
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	SCHOOL		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

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75 **LTANKS** **S105998178**
NE **45 N ELLIOT PL** **N/A**
1/4-1/2 **BROOKLYN, NY**
1604 ft.

Relative: Lower
Actual: 19 ft.

LTANKS:

Spill Number:	0211386	Region of Spill:	2
Tank Number:	Not reported	Tank Size :	Not reported
Test Method:	Not reported	Leak Rate:	Not reported
Spill Date:	02/14/03	Reported to Dept:	/ /
ID:	18921	Date Call Received:	02/14/03
Material Spilled 1 :	#2 FUEL OIL	Amount Spilled 1 :	Unknown Gal.
Region Close Dt :	05/10/04		
Resource Affectd:	ON LAND		
Spill Cause:	TANK TEST FAILURE		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL

Spill Number:	0211386	Region of Spill:	2
Tank Number:	Not reported	Tank Size :	Not reported
Test Method:	Not reported	Leak Rate:	Not reported
Spill Date:	02/14/03	Reported to Dept:	/ /
ID:	18922	Date Call Received:	02/14/03
Material Spilled 1 :	#2 FUEL OIL	Amount Spilled 1 :	Unknown Gal.
Region Close Dt :	05/10/04		
Resource Affectd:	ON LAND		
Spill Cause:	TANK TEST FAILURE		
Water Affected:	Not reported	Spill Source:	OTHER COMM/INDUSTRIAL

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76 **WHITMAN HOUSING** **LTANKS** **S102673286**
East **287 MYRTLE AVENUE** **N/A**
1/4-1/2 **BROOKLYN, NY**
1608 ft.

Relative: Higher
Actual: 51 ft.

LTANKS:

Spill Number:	9515050	Region of Spill:	2
Spill Date:	02/23/1996 11:00	Reported to Dept:	02/23/96 11:22
ID:	Not reported	Date Call Received:	Not reported
Material Spilled 1 :	Not reported	Amount Spilled 1 :	Not reported
Region Close Dt :	Not reported		
Resource Affectd:	On Land		
Spill Cause:	Tank Overfill		
Water Affected:	Not reported	Spill Source:	Other Non Commercial/Industrial
Facility Contact:	FRANK OCELLO	Facility Tele:	(212) 306-3229

WHITMAN HOUSING (Continued) S102673286

Investigator: SACCACIO
SWIS: 61
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: NYC HOUSING AUTHORITY
Spiller Address: 250 BROADWAY
NEW YORK, NY 10007
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 04/22/96
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 02/23/96
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 900
Units: Gallons
Unknown Qty Spilled: 900
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: NYCHA calulates that approximately 900 gallons of 2 oil spilled. Got I nto soil around gas train and gas main entering the building. Soil had to be excavated by hand. 20 drums of soil and 2 drums of speedy-dry rem oved by Winston. A groundwater monitoing well will have to be installed to get a groundwater sample to determine if oil got to the water table.
Spill Cause: CUSTOMER ORDERED 4000 GALLONS AND TANK OVERFLOWED AT 3600 GALLONS. ONTO CONCRETE AND SOIL. FIRE DEPARTMENT ON SCENE. CALLER ENROUTE TO SCENE F OR FURTHER INVESTIGATION.

77 SE 1/4-1/2 1651 ft. — **FORT GREEN PL & DEKALB AV**
FORT GREEN PL / DEKALB AVE
BROOKLYN, NY

LTANKS **S100495079**
N/A

Relative: Higher
Actual: 38 ft.

LTANKS:
Spill Number: 9301100
Spill Date: 04/22/1993 15:30
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: TANG
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: SAME
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Unable/unwilling Responsible Party. Corrective action taken. (ISR)
Spill Closed Dt: 04/22/93
Spill Notifier: Other
Cleanup Ceased: 04/22/93
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 07/20/93
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 04/27/93
Date Region Sent Summary to Central Office: / /

Region of Spill: 2
Reported to Dept: 04/22/93 16:32
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Not reported
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #6 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #6 FUEL OIL

FORT GREEN PL & DEKALB AV (Continued) S100495079

Last Date: 07/28/1994
Num Times Material Entry In File: 2190
DEC Remarks: Not reported
Spill Cause: DURING DELIV OIL LEAKED FROM TANK FILL-PIPE TO BASEMENT FLOOR.CUST MAINT PERSONNEL TOLD DRIVER THEY WOULD CLEAN SPILL-MR MCARDLE FROM COASTAL SAI D THEY WOULD CHECK CUST TANK EQUIPT ON 4/23/93

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78 SW 1/4-1/2 1789 ft.

NEW YORK CITY WELFARE FAC
210 LIVINGSTON STREET
BROOKLYN, NY

LTANKS S103558972
N/A

Relative: Higher

Actual: 43 ft.

LTANKS:

Spill Number: 0311816
Tank Number: 1
Test Method: HORNER EZ CHECK
Spill Date: 01/21/04
ID: 35395
Material Spilled 1 #4 FUEL OIL
Region Close Dt : / /
Resource Affectd: GROUNDWATER
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Region of Spill: 2
Tank Size : 10000
Leak Rate: 0.00
Reported to Dept: / /
Date Call Received: 01/21/04
Amount Spilled 1 : Unknown lbs.
Spill Source: OTHER COMM/INDUSTRIAL

Spill Number: 0311816
Tank Number: 1
Test Method: HORNER EZ CHECK
Spill Date: 01/21/04
ID: 35396
Material Spilled 1 #4 FUEL OIL
Region Close Dt : / /
Resource Affectd: GROUNDWATER
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported
Region of Spill: 2
Tank Size : 10000
Leak Rate: 0.00
Reported to Dept: / /
Date Call Received: 01/21/04
Amount Spilled 1 : Unknown lbs.
Spill Source: OTHER COMM/INDUSTRIAL

Spill Number: 9812016
Spill Date: 12/24/1998 11:00
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Water Affected: Not reported
Region of Spill: 2
Reported to Dept: 12/24/98 11:20
Date Call Received: Not reported
Amount Spilled 1 : Not reported
Spill Source: Other Non Commercial/Industrial
Facility Contact: RALPH MANGANELLO
Facility Tele: (212) 630-9237
Investigator: ROMMEL
SWIS: 61
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller: CITY OF NEW YORK
Spiller Address: NEW YORK, NY
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 03/19/99
Spill Notifier: Tank Tester
PBS Number: 2-153184
Cleanup Ceased: / /
Last Inspection: / /

NEW YORK CITY WELFARE FAC (Continued) S103558972

Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 03/19/99
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 12/24/98
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: 1
Test Method: Horner EZ Check
Capacity of Failed Tank: 10000
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Talk Test Failures only pass or fail
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: 2/23/99 Spoke to Morris Kreppel After repair the manhole manifold, the y retested the tank and it passed. He will submit paperwork for my revi ew. 3/1/99 Spoke to Morris Kreppel. After installing a new gasket, the tank passed the retest. Phil Lodico, enforcement attny in Albany, got i nvolved after 3 notices that the tank was overdue for testing. Apparent ly the city operates the tank so Kreppel forwarded the notices to the ci ty who then ignored them. Currently being fined 11K, 10K of which wil l be waived if they comply within 60 days. Told Kreppel that he needs t o submit an exposure affadavit complete with whether or not contaminatio n was encountered during the work. 3/19/99 Spill closed as per 3/4/99 l etter from ABC Tank signedby Mark Salamack indicating that a gasket, nut s and bolts were replaced on the manhole and the system passed the HEZ3 retest and that no contamination was discovered during repairs.
Spill Cause: TANK TEST PERFORMED ON BEHALF OF COMMERCIAL COOLING SERVICE, HELEN, 718) 492-2100. COMMERCIAL COOLING TO BE GIVEN A QUOTE FOR ISOLATING AND RE TESTING THE TANK ONLY.

S79 **PEARLE ST/BKLYN/NYCTA** **LTANKS** **S100168232**
WSW **PEARLE STREET** **N/A**
1/4-1/2 **BROOKLYN, NY**
1826 ft.

Site 1 of 2 in cluster S

Relative:
Higher

LTANKS:
Spill Number: 9011832
Spill Date: 02/09/1991 15:00
ID: Not reported
Material Spilled 1 :Not reported

Actual:
51 ft.

Region of Spill: 2
Reported to Dept: 02/11/91 10:39
Date Call Received:Not reported
Amount Spilled 1 : Not reported

PEARLE ST/BKLYN/NYCTA (Continued) S100168232

Region Close Dt : Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: HALE
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: NYCTA
Spiller Address: 25 CHAPEL STREET
BROOKLYN, NY
Spill Class: Known release that creates potential for fire or hazard. (Highly Improbable)
Spill Closed Dt: 07/29/98
Spill Notifier: Tank Tester
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 08/07/98
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 02/27/91
Date Region Sent Summary to Central Office: / /

Spill Source: Other Non Commercial/Industrial
Facility Tele: (718) 739-7535
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Tank Test:
- PBS Number: Not reported
- Tank Number: Not reported
- Test Method: Not reported
- Capacity of Failed Tank: 0
- Leak Rate Failed Tank: 0.00
- Gross Leak Rate: Not reported

Material:
- Material Class Type: 1
- Quantity Spilled: -1
- Units: Pounds
- Unknown Qty Spilled: -1
- Quantity Recovered: 0
- Unknown Qty Recovered: False
- Material: #2 FUEL OIL
- Class Type: Petroleum
- Chem Abstract Service Number: #2 FUEL OIL
- Last Date: 12/07/1994
- Num Times Material Entry In File: 24464

DEC Remarks: 11/16/94: REASSIGNED FROM SIGONA TO ZHITOMIRSKY ON 11/16/94.
Spill Cause: 11.5K TANK FAILED PETRO TITE WITH A LEAK RATE OF .08GPH.

S80 WSW 1/4-1/2 1826 ft. — **PEARL ST/BKLYN/NYCTA**, **PEARL STREET**, **BROOKLYN, NY** — LTANKS — S100168238 / N/A

Relative: Higher

Actual: 51 ft.

Site 2 of 2 in cluster S

LTANKS:

Spill Number: 9011990
Spill Date: 02/16/1991 09:00
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: HALE
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: NYCTA
Spiller Address: PEARL STREET
BROOKLYN, NY
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 07/29/98
Spill Notifier: Tank Tester
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 08/07/98
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 02/27/91
Date Region Sent Summary to Central Office: / /

Region of Spill: 2
Reported to Dept: 02/16/91 11:30
Date Call Received:Not reported
Amount Spilled 1 : Not reported
Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Tank Test:

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:

Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL

PEARL ST/BKLYN/NYCTA (Continued) S100168238

Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: 11/16/94: REASSIGNED FROM SIGONA TO ZHITOMIRSKY ON 11/16/94.
Spill Cause: 11,275 GAL TANK FAILED PETRO TITE WITH A GROSS LEAK FROM THE TOP OF TANK , WILL EMPTY TANK.

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81 WSW 1/4-1/2 1849 ft. **408 JAY/1427 FULTON /BKLN** **LTANKS** **S100145776**
1427 FULTON/408 JAY ST **N/A**
BKLN, NY

Relative: Higher
Actual: 50 ft.

LTANKS:
Spill Number: 8909337
Spill Date: 12/23/1989 21:30
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: SULLIVAN
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: UNK
Spiller Address: JOSEPH JEMAL
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 11/13/92
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 01/03/90
Date Region Sent Summary to Central Office: / /

Region of Spill: 2
Reported to Dept: 12/26/89 13:09
Date Call Received: Not reported
Amount Spilled 1 : Not reported
Spill Source: Other Commercial/Industrial
Facility Tele: (718) 239-8580
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1

408 JAY/1427 FULTON /BKLN (Continued) S100145776

Quantity Spilled: 1700
Units: Gallons
Unknown Qty Spilled: 1700
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: DRIVER DELIVERED TO WRONG FILL PIPE - CALLER NOT ABLE TO GAIN ACCESS TO BLDG UNTIL 915 ON 12/26 - SUSPECT FUEL SANK THRU CRACKS IN FLOOR - CALLE R OFFERED TO CLEAN SPILL DEODORIZE -PERMISSION DENIED

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82 WSW 1/4-1/2 1938 ft. **BOARD OF EDUCATION**
409 RED HOOK LANE
BROOKLYN, NY

LTANKS S102662624
N/A

Relative: Higher
Actual: 51 ft.

LTANKS:
Spill Number: 9515577 Region of Spill: 2
Spill Date: 12/01/1994 16:33 Reported to Dept: 03/04/96 16:39
ID: Not reported Date Call Received: Not reported
Material Spilled 1 : Not reported Amount Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported Spill Source: Other Commercial/Industrial
Facility Contact: SAME Facility Tele: Not reported
Investigator: GUTIERREZ SWIS: 61
Caller Name: Not reported Caller Agency: Not reported
Caller Phone: Not reported Caller Extension: Not reported
Notifier Name: Not reported Notifier Agency: Not reported
Notifier Phone: Not reported Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: CHARLES BECKER Spiller Phone: (718) 935-5746
Spiller: SAME
Spiller Address: NY
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 12/13/96
Spill Notifier: Other PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 12/13/96
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 03/04/96
Date Region Sent Summary to Central Office: 11/27/96
Tank Test:
PBS Number: Not reported

BOARD OF EDUCATION (Continued) S102662624

Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: THE CALLER FOUND CONTAMINATED SOIL ON MAY 1995, THE SPILL OCCURRED PRIOR TO DECEMBER 1994.
Spill Cause: a 550 gasoline tank was overfilled causing the spill. this occurred may 3 1995 and they actually reported it today.

83
SSE
1/4-1/2
2052 ft.

BROOKLYN ACADEMY OF MUSIC
FULTON ST / ROCKWELL PL
BROOKLYN, NY

LTANKS S102960149
N/A

Relative:
Higher

Actual:
33 ft.

LTANKS:
Spill Number: 9709843
Spill Date: 11/24/1997 12:00
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: DELORES BLACKWELL
Investigator: TOMASELLO
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: DELORES BLACKWELL
Spiller: BROOKLYN ACADEMY OF MUSIC
Spiller Address: FULTON ST & ROCKWELL PL
BROOKLYN
Spill Class: Known release that creates potential for fire or hazard. (Highly Improbable)
Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False

Region of Spill: 2
Reported to Dept: 11/24/97 14:21
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: (718) 391-1297
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: (718) 391-1297

PBS Number: Not reported

BROOKLYN ACADEMY OF MUSIC (Continued) S102960149

Spill Record Last Update: 11/26/97
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 11/24/97
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: UNKNOWN PETROLEUM
Class Type: Petroleum
Chem Abstract Service Number: UNKNOWN PETROLEUM
Last Date: 09/29/1994
Num Times Material Entry In File: 16414
DEC Remarks: Not reported
Spill Cause: DURING CONSTRUCTION WORK DONE AT MUSIC ACADEMY A UNK TANK WAS DISCOVERE D AND BELIEVED TO HAVE CAUSED SOIL CONTAMINATION.TANK HAS BEEN REMOVED AND SOIL TO BE STOCKPILED-SAMPLED AND REMOVED.

84
WSW
1/4-1/2
2116 ft.

MPM REALTY CORP
141 LIVINGSTON STREET
BROOKLYN, NY

LTANKS S102672830
N/A

Relative:
Higher

Actual:
47 ft.

LTANKS:
Spill Number: 9414943
Spill Date: 02/14/1995 07:15
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Facility Contact: Not reported
Investigator: ZHITOMIRSKY
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: UNKNOWN
Spiller Address: Not reported
Spill Class: Not reported
Spill Closed Dt: 02/24/95
Spill Notifier: Responsible Party
Cleanup Ceased: 02/24/95
Last Inspection: / /

Region of Spill: 2
Reported to Dept: 02/14/95 07:40
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

MPM REALTY CORP (Continued) S102672830

Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 08/08/95
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 03/16/95
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 20
Units: Gallons
Unknown Qty Spilled: 20
Quantity Recovered: 20
Unknown Qty Recovered: False
Material: #6 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #6 FUEL OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 2190
DEC Remarks: Not reported
Spill Cause: ALL OIL CONTAINED AND IN THE PROCESS OF RECOVERING

T85
South
1/4-1/2
2198 ft.

40 NEVINS ST
BROOKLYN, NY

LTANKS S105054840
N/A

Site 1 of 2 in cluster T

Relative:
Higher

Actual:
40 ft.

LTANKS:
Spill Number: 0101538
Spill Date: 05/09/2001 17:15
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: TIPPLE
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: ANTHONY CACHO
Spiller: RICHARD KAPLON
Spiller Address: 24-16 QUEENS PLAZA SO

Region of Spill: 2
Reported to Dept: 05/09/01 20:31
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: (718) 392-3456
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: (718) 357-7000

(Continued)

S105054840

LONG ISLAND CITY, NY
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 05/10/01
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 05/09/01
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: COMP RCVD A CALL FROM MR KAPLON ASKING TO CHECK INTO WHY HE WAS USING SO MUCH OIL - WHEN SERVICE MAN GOT TO LOCATION HE FOUND THERE WERE LEAKS I N TWO TANKS 275) THAT ARE IN BASEMENT - IT APPEARS THEY MAY HAVE BEEN L EAKING FOR SOME TIME AS THERE WAS SATURATED DIRT THAT HAD BEEN PLACED UN DER TANKS - THE LEGS OF THE TANKS ARE VERY UNSTABLE DUE TO RUSTY CONDIT ION AND MR KAPLON WAS ASVISED THAT SKAGGS/WALSH WANTED TO PUMP OUT THE TANKS FOR SAFETY REASONS - MR KAPLON REFUSED TO ALLOW THEM BACKINTO THE BUILDING AND WHEN THE STORE WHICH IS ALSO A TENNANT OF THE BUILDING WAS CALLED FOR ENTRY MR KAPLON HAD TOLD THEM NOT TO LET ANYONE INTO BUILDIN G - MR KAPLON STATED THAT HE WANTED TO INVESTIGATE THE SITUTATION HIMSE LF BEFORE ANYTHING IS DONE

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
86 ENE 1/4-1/2 2240 ft.	WALT WHITMAN HOUSES 120 CUMBERLAND WALK BROOKLYN, NY	LTANKS	S102672778 N/A

Relative: Higher

Actual: 45 ft.

LTANKS:

Spill Number: 9413432
Spill Date: 01/09/1995 12:00
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Facility Contact: Not reported
Investigator: HEALY
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: NYC HOUSING AUTHORITY
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 01/23/95
Spill Notifier: Local Agency
Cleanup Ceased: 01/23/95
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 02/07/95
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 01/10/95
Date Region Sent Summary to Central Office: / /

Region of Spill: 2
Reported to Dept: 01/09/95 14:40
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: (212) 306-3142
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: 2-474509

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 30
Units: Gallons
Unknown Qty Spilled: 30
Quantity Recovered: 30
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL

WALT WHITMAN HOUSES (Continued) S102672778

Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: TANK OVERFILL. CAME OUT VENT-SIDEWALK AFFECTED. BEING CLEANED BY PROJECT PERSONNEL.

U87
NE
1/4-1/2
2249 ft.

RED HOOK MARINE TRMNL
ADMINISTRATION BLDG
NYC, NY

LTANKS S100145270
N/A

Site 1 of 3 in cluster U

Relative:
Lower

Actual:
18 ft.

LTANKS:
Spill Number: 8806571
Spill Date: 11/05/1988 20:00
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: SULLIVAN
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: PORT AUTH
Spiller Address: Not reported
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 11/13/92
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 11/14/87
Date Region Sent Summary to Central Office: / /

Region of Spill: 2
Reported to Dept: 11/05/88 21:27
Date Call Received:Not reported
Amount Spilled 1 : Not reported
Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: -1

RED HOOK MARINE TRMNL (Continued) S100145270

Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: SYSTEMS FAILURE, TK SIZE UNK. L R= -0.67 GPH. WILL ISOL RETST.

U88
NE
1/4-1/2
2249 ft.

RED HOOK MARINE/PT AUTH
RED HOOK MARINE TERMINAL
BROOKLYN, NY

LTANKS S100145260
N/A

Site 2 of 3 in cluster U

Relative:
Lower

Actual:
18 ft.

LTANKS:
Spill Number: 8806372
Spill Date: 10/30/1988 18:30
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: SIGONA
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: PORT AUTHORITY
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 11/14/94
Spill Notifier: Tank Tester
Cleanup Ceased: 11/14/94
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 11/15/94
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 11/03/88
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported

Region of Spill: 2
Reported to Dept: 10/30/88 19:30
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: 2-365866

RED HOOK MARINE/PT AUTH (Continued) S100145260

Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
DEC Remarks: Not reported
Spill Cause: 2) 4K TANKS FAILED WITH A LEAK RATE OF 0.2366GPH, WILL EXCAVATE ISOLATE BOTH TANKS RETEST.

U89 **RED HOOK TERM/BKLYN/** LTANKS S100145473
NE **RED HOOK TERMINAL** N/A
1/4-1/2 **NEW YORK CITY, NY**
2249 ft.

Site 3 of 3 in cluster U

Relative: **Lower**

Actual: **18 ft.**

LTANKS:
Spill Number: 8903111
Spill Date: 06/25/1989 16:30
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: SULLIVAN
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 11/13/92
Is Updated: False
Corrective Action Plan Submitted: / /

Region of Spill: 2
Reported to Dept: 06/25/89 16:35
Date Call Received: Not reported
Amount Spilled 1 : Not reported
Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
PBS Number: Not reported

RED HOOK TERM/BKLYN/ (Continued) S100145473

True Date : Not reported
Date Spill Entered In Computer Data File: 01/25/90
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: Not reported

V90 WSW 1/4-1/2 2290 ft. **111 LIVINGSTON ST/NY TEL**
111 LIVINGSTON ST
BKLYN, NY

LTANKS S102671891
N/A

Relative: Higher

Actual: 51 ft.

Site 1 of 3 in cluster V

LTANKS:
Spill Number: 9201880
Spill Date: 05/15/1992 08:00
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Facility Contact: Not reported
Investigator: MILLER
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: NY TEL
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 05/15/92
Spill Notifier: Other
Cleanup Ceased: 05/15/92
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /

Region of Spill: 2
Reported to Dept: 05/15/92 11:21
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

111 LIVINGSTON ST/NY TEL (Continued) S102671891

Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 10/23/92
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 05/20/92
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 25
Units: Gallons
Unknown Qty Spilled: 25
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: FUEL ON SOIL PAVEMENT; CASTLE TEAM CLEANING UP 1250 SPOKE TO NY TELEPHON E RALPH BALZANO-ALL CLEANED UP SATISFACTION

V91
WSW
1/4-1/2
2290 ft.

NY TELEPHONE
111 LIVINGSTON STREET
BROOKLYN, NY

LTANKS S100494171
N/A

Site 2 of 3 in cluster V

Relative:
Higher

Actual:
51 ft.

LTANKS:
Spill Number: 9208281
Spill Date: 10/17/1992 01:94
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: TIBBE
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: NY TELEPHONE
Spiller Address: 111 LIVINGSTON STREET
BROOKLYN, NY

Region of Spill: 2
Reported to Dept: 10/18/92 08:15
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

NY TELEPHONE (Continued) S100494171

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
Cleanup Ceased: / /
PBS Number: Not reported
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 10/28/98
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 12/09/92
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: 10/18/92: REPORTEDLY, TANK 25,000 GALLON NUMBER 2) FAILED HORNER II WIT H LEAK RATE @-0.200GPHL; PLAN TO RETEST. 10/28/98 @1509, MILLER REASSIGN ED SPILL NO. 9208281 TO M. TIBBE SPILL NO. 8703493).
Spill Cause: T.T.F.

V92
WSW
1/4-1/2
2290 ft.

COGEN CORPORATION
111 LIVINGSTON STREET
BROOKLYN, NY 11201

UST U001839463
LTANKS N/A
AIRS

Site 3 of 3 in cluster V

Relative:
Higher

Actual:
51 ft.

LTANKS:
Spill Number: 9907907
Spill Date: 09/29/1999 14:00
ID: Not reported
Material Spilled 1 Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: DAVID MARCUS
Investigator: SIGONA

Region of Spill: 2
Reported to Dept: 09/29/99 15:49
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: (718) 797-2426
SWIS: 61

COGEN CORPORATION (Continued) U001839463

Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: DAVID MARCUS
Spiller: COGEN
Spiller Address: 111 LIVINGSTON ST
BROOKLYN, NY
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 12/29/99
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 09/29/99
Date Region Sent Summary to Central Office: / /

Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: (718) 797-2426
PBS Number: 2-344486

Tank Test:
PBS Number: Not reported
Tank Number: 1
Test Method: Horner EZ Check
Capacity of Failed Tank: 25000
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464

Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: True
Material: LUBE OIL
Class Type: Petroleum
Chem Abstract Service Number: LUBE OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 295

COGEN CORPORATION (Continued) U001839463

Material: LUBRICATING OIL
Class Type: Petroleum
Chem Abstract Service Number: LUBRICATING OIL
Last Date: Not reported
Num Times Material Entry In File: 292
DEC Remarks: On 12/29/99 DEC Sigona received an update from John Leddy Protest. The tank only test passed, but lines failed. They are considering a site as sessment and tank replacement. They also have test additional tanking p lanned for 2nd 25k UST, and willdiscuss testing the 3K 6 f.o UST.
Spill Cause: Both tanks are under ground one tank is in a vault the other is wrapped in concrete property owners heve been made aware of results and will arr ange for a retest

PBS UST:
PBS Number: 2-344486
SPDES Number: Not reported
Operator: COGEN CORPORATION (718) 330-8383
Emergency Contact: COGEN CORPORATION (718) 330-8383
Total Tanks: 3
Owner: 111 LIVINGSTON LLC 1481 47TH STREET BROOKLYN, NY 11219 (718) 438-5100
Owner Type: Corporate/Commercial
Owner Mark: Second Owner
Owner Subtype: Not reported
Mailing Address: LOUIS STAHL 111 LIVINGSTON LLC 1481 47TH STREET BROOKLYN, NY 11219 (718) 438-5100
Tank Status: Temporarily Out of Service
Capacity (gals): 3000
Tank Location: UNDERGROUND
Tank Id: 003
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: Not reported
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: Not reported
Leak Detection: Not reported
Overfill Prot: Not reported
Date Tested: Not reported
Date Closed: Not reported
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 31000
Tank Screen: Minor data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported

CBS Number: Not reported
SWIS ID: 6101

Install Date: 01/01/1972
Product Stored: LUBE OIL
Pipe Internal: Not reported
Pipe Type: Not reported

Dispenser: Not reported
Next Test Date: 12/27/1987
Test Method: Not reported
Updated: True
Owner Screen: No data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 11/03/2000
Expiration Date: 11/03/2005
Inspector: Not reported

COGEN CORPORATION (Continued) U001839463

Lat/long: Not reported
Facility Type: UTILITY
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

PBS OWNHIST
Operator: NYNEX
Emergency: NYNEX
Emergency Tel: (718) 330-8383
Facility Type: UTILITY
Old PBSNO: Not reported
Facility Owner: NYNEX
Facility Address: 111 LIVINGSTON STREET
111 LIVINGSTON STREET
BROOKLYN, NY 11201

Inspector: Not reported
Insp Result: Not reported
Inspect Date: Not reported
Owner: ABRAHM LESER
Federal ID: 13-5275510
Owner Tel: (718) 438-5100
Owner Subtype: New York Telephone
Owner Type: Corporate/Commercial
Mail Address: ABRAHAM LESER
1481 47TH STREET
BROOKLYN, NY 11219
Owner Mark: Not reported
Certify Date: (212) 338-7881
First Owner
Total Capacity (Gal): 12/14/1997
56000
Expiration: 12/14/1997
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6101
Facility Phone : (718) 330-8383
Num of Active Tanks : 4
Facility Owner: ABRAHM LESER
Facility Address: 1481 47TH STREET

BROOKLYN, NY 11219
Owner Phone: (718) 438-5100
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 11/03/2000
Facility Record Updated: True

PBS Number: 2-344486
SPDES Number: Not reported
CBS Number: Not reported
Operator: COGEN CORPORATION
(718) 330-8383
SWIS ID: 6101
Emergency Contact: COGEN CORPORATION
(718) 330-8383
Total Tanks: 3
Owner: 111 LIVINGSTON LLC
1481 47TH STREET
BROOKLYN, NY 11219

COGEN CORPORATION (Continued) U001839463

Owner Type:	(718) 438-5100		
Owner Mark:	Corporate/Commercial		
Owner Subtype:	Second Owner		
Mailing Address:	Not reported		
	LOUIS STAHL		
	111 LIVINGSTON LLC		
	1481 47TH STREET		
	BROOKLYN, NY 11219		
	(718) 438-5100		
Tank Status:	In Service		
Capacity (gals):	3000		
Tank Location:	UNDERGROUND		
Tank Id:	004		
Tank Type:	Steel/carbon steel	Install Date:	01/01/1972
Tank Internal:	Not reported	Product Stored:	USED OIL
Pipe Location:	Not reported	Pipe Internal:	Not reported
Tank External:	Not reported	Pipe Type:	Not reported
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	Not reported		
Leak Detection:	Not reported		
Overfill Prot:	Not reported		
Date Tested:	Not reported	Dispenser:	Not reported
Date Closed:	Not reported	Next Test Date:	12/27/1987
Deleted:	False	Test Method:	Not reported
Dead Letter:	False	Updated:	True
FAMT:	Fiscal amount for registration fee is correct	Owner Screen:	No data missing
Total Capacity:	31000		
Tank Screen:	Minor data missing	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	11/03/2000
Inspected Date:	Not reported	Expiration Date:	11/03/2005
Inspection Result:	Not reported	Inspector:	Not reported
Lat/long:	Not reported		
Facility Type:	UTILITY		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS OWNHIST

Operator:	NYNEX		
Emergency:	NYNEX		
Emergency Tel:	(718) 330-8383		
Facility Type:	UTILITY	Old PBSNO:	Not reported
Facility Owner:	NYNEX		
Facility Address:	111 LIVINGSTON STREET		
	111 LIVINGSTON STREET		
	BROOKLYN, NY 11201		
Inspector:	Not reported		
Insp Result:	Not reported	Inspect Date:	Not reported
Owner:	ABRAHM LESER	Federal ID:	13-5275510
Owner Tel:	(718) 438-5100		
Owner Subtype:	New York Telephone	Owner Type:	Corporate/Commercial
Mail Address:	ABRAHAM LESER		
	1481 47TH STREET		
	BROOKLYN, NY 11219		

COGEN CORPORATION (Continued) U001839463

Not reported
(212) 338-7881
Owner Mark: First Owner
Certify Date: 12/14/1997
Total Capacity (Gal): 56000 Expiration: 12/14/1997
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6101
Facility Phone : (718) 330-8383
Num of Active Tanks : 4
Facility Owner: ABRAHM LESER
Facility Address: 1481 47TH STREET
BROOKLYN, NY 11219
Owner Phone: (718) 438-5100
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr In Computer : 11/03/2000
Facility Record Updated: True

PBS Number: 2-344486
SPDES Number: Not reported
Operator: COGEN CORPORATION
(718) 330-8383
Emergency Contact: COGEN CORPORATION
(718) 330-8383
Total Tanks: 3
Owner: 111 LIVINGSTON LLC
1481 47TH STREET
BROOKLYN, NY 11219
(718) 438-5100
Owner Type: Corporate/Commercial
Owner Mark: Second Owner
Owner Subtype: Not reported
Mailing Address: LOUIS STAHL
111 LIVINGSTON LLC
1481 47TH STREET
BROOKLYN, NY 11219
(718) 438-5100
Tank Status: In Service
Capacity (gals): 25000
Tank Location: UNDERGROUND
Tank Id: 001
Tank Type: Steel/carbon steel
Tank Internal: Not reported
Pipe Location: 1
Tank External: Not reported
Missing Data for Tank: Minor Data Missing
Pipe External: Not reported
Second Containment: NONE
Leak Detection: NONE
Overfill Prot: 2
Date Tested: 04/01/1993

CBS Number: Not reported
SWIS ID: 6101

Install Date: 01/01/1972
Product Stored: DIESEL
Pipe Internal: Not reported
Pipe Type: STEEL/IRON

Dispenser: Suction
Next Test Date: 04/01/1998

COGEN CORPORATION (Continued) U001839463

Date Closed: Not reported
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 31000
Tank Screen: Minor data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: UTILITY
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Test Method: HORNER
Updated: True
Owner Screen: No data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 11/03/2000
Expiration Date: 11/03/2005
Inspector: Not reported

PBS OWNHIST
Operator: NYNEX
Emergency: NYNEX
Emergency Tel: (718) 330-8383
Facility Type: UTILITY
Facility Owner: NYNEX
Facility Address: 111 LIVINGSTON STREET
111 LIVINGSTON STREET
BROOKLYN, NY 11201

Old PBSNO: Not reported

Inspector: Not reported
Insp Result: Not reported
Owner: ABRAHM LESER
Owner Tel: (718) 438-5100
Owner Subtype: New York Telephone
Mail Address: ABRAHAM LESER
1481 47TH STREET
BROOKLYN, NY 11219
Not reported
(212) 338-7881
Owner Mark: First Owner
Certify Date: 12/14/1997
Total Capacity (Gal): 56000
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6101
Facility Phone : (718) 330-8383
Num of Active Tanks : 4
Facility Owner: ABRAHM LESER
Facility Address: 1481 47TH STREET
BROOKLYN, NY 11219
Owner Phone: (718) 438-5100
Facility Status: 1
Certificate Needs Printed :. False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 11/03/2000
Facility Record Updated: True

Inspect Date: Not reported
Federal ID: 13-5275510
Owner Type: Corporate/Commercial
Expiration: 12/14/1997

COGEN CORPORATION (Continued)

U001839463

PBS Number:	2-344486		
SPDES Number:	Not reported	CBS Number:	Not reported
Operator:	COGEN CORPORATION (718) 330-8383	SWIS ID:	6101
Emergency Contact:	COGEN CORPORATION (718) 330-8383		
Total Tanks:	3		
Owner:	111 LIVINGSTON LLC 1481 47TH STREET BROOKLYN, NY 11219 (718) 438-5100		
Owner Type:	Corporate/Commercial		
Owner Mark:	Second Owner		
Owner Subtype:	Not reported		
Mailing Address:	LOUIS STAHL 111 LIVINGSTON LLC 1481 47TH STREET BROOKLYN, NY 11219 (718) 438-5100		
Tank Status:	Closed - In Place		
Capacity (gals):	25000		
Tank Location:	UNDERGROUND		
Tank Id:	002		
Tank Type:	Steel/carbon steel	Install Date:	01/01/1972
Tank Internal:	Not reported	Product Stored:	DIESEL
Pipe Location:	1	Pipe Internal:	Not reported
Tank External:	Not reported	Pipe Type:	STEEL/IRON
Missing Data for Tank:	Minor Data Missing		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	2		
Date Tested:	04/01/1993	Dispenser:	Suction
Date Closed:	Not reported	Next Test Date:	Not reported
Deleted:	False	Test Method:	HORNER
Dead Letter:	False	Updated:	True
FAMT:	Fiscal amount for registration fee is correct	Owner Screen:	No data missing
Total Capacity:	31000		
Tank Screen:	Minor data missing	Renewal Date:	Not reported
Renew Flag:	Renwal has not been printed	Federal ID:	Not reported
Certification Flag:	False	Facility Screen:	No data missing
Old PBS Number:	Not reported	Certification Date:	11/03/2000
Inspected Date:	Not reported	Expiration Date:	11/03/2005
Inspection Result:	Not reported	Inspector:	Not reported
Lat/long:	Not reported		
Facility Type:	UTILITY		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS OWNHIST

Operator:	NYNEX		
Emergency:	NYNEX		
Emergency Tel:	(718) 330-8383	Old PBSNO:	Not reported
Facility Type:	UTILITY		
Facility Owner:	NYNEX		

COGEN CORPORATION (Continued) U001839463

Facility Address: 111 LIVINGSTON STREET
111 LIVINGSTON STREET
BROOKLYN, NY 11201

Inspector: Not reported
Insp Result: Not reported
Inspect Date: Not reported
Owner: ABRAHM LESER
Federal ID: 13-5275510
Owner Tel: (718) 438-5100
Owner Subtype: New York Telephone
Owner Type: Corporate/Commercial
Mail Address: ABRAHAM LESER
1481 47TH STREET
BROOKLYN, NY 11219
Not reported
(212) 338-7881
Owner Mark: First Owner
Certify Date: 12/14/1997
Total Capacity (Gal): 56000
Expiration: 12/14/1997
CBS Registration Num : Not reported
SPDES Number: Not reported
Lat/Long : Not reported
County Facility: 6101
Facility Phone : (718) 330-8383
Num of Active Tanks : 4
Facility Owner: ABRAHM LESER
Facility Address: 1481 47TH STREET
BROOKLYN, NY 11219
Owner Phone: (718) 438-5100
Facility Status: 1
Certificate Needs Printed : False
Renewal Printed : False
Pre-printed Renewal Form Last Printed : Not reported
Fiscal Amt For Registration Fee Pbsrect: True
Dt Ownership Transfer Occurr in Computer : 11/03/2000
Facility Record Updated: True

T93
South
1/4-1/2
2298 ft.

COMMUNITY LIVING
50 NEVINS ST
BROOKLYN, NY

LTANKS S105135276
N/A

Site 2 of 2 in cluster T

Relative:
Higher

Actual:
40 ft.

LTANKS:

Spill Number: 0209832
Tank Number: 1
Test Method: HORNER EZ CHECK
Spill Date: 12/27/02
ID: 16860
Material Spilled 1 #2 FUEL OIL
Region Close Dt : 09/30/03
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported

Region of Spill: 2
Tank Size : 3000
Leak Rate: 0.00
Reported to Dept: / /
Date Call Received:12/27/02
Amount Spilled 1 : Unknown Gal.

Spill Source: OTHER NON COMM/INSTITUTIONAL

Spill Number: 0209832
Tank Number: 1
Test Method: HORNER EZ CHECK
Spill Date: 12/27/02
ID: 16861
Material Spilled 1 #2 FUEL OIL

Region of Spill: 2
Tank Size : 3000
Leak Rate: 0.00
Reported to Dept: / /
Date Call Received:12/27/02
Amount Spilled 1 : Unknown Gal.

COMMUNITY LIVING (Continued) S105135276

Region Close Dt : 09/30/03
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported

Spill Source: OTHER NON COMM/INSTITUTIONAL

Spill Number: 0104574
Spill Date: 07/30/2001 08:45
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: DEAN PETERSON
Investigator: ROMMEL
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: DEAN PETERSON
Spiller: COMMUNITY LIVING
Spiller Address: 50 NEVINS ST
BROOKLYN, NY 11217

Region of Spill: 2
Reported to Dept: 07/30/01 09:27
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: (718) 788-4050
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: (718) 788-4050

Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
Cleanup Ceased: / /
Last Inspection: / /

PBS Number: Not reported

Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 07/31/01
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 07/30/01
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL

COMMUNITY LIVING (Continued) S105135276

Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: caller found the tank that may be connected to an abandoned tank and he believes that is why the tank test failed

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94 WSW 1/4-1/2 2334 ft.
BROOKLYN LAW SCHOOL
250 JORALEMON ST
BROOKLYN, NY
LTANKS S105995729 N/A

Relative: Higher
Actual: 59 ft.

LTANKS:

Spill Number: 0200999
Tank Number: Not reported
Test Method: Not reported
Spill Date: 04/24/02
ID: 5032
Material Spilled 1 #2 FUEL OIL
Region Close Dt : / /
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported

Region of Spill: 2
Tank Size : Not reported
Leak Rate: Not reported
Reported to Dept: / /
Date Call Received:04/26/02
Amount Spilled 1 : 0 Gal.

Spill Source: OTHER COMM/INDUSTRIAL

Spill Number: 0200999
Tank Number: Not reported
Test Method: Not reported
Spill Date: 04/24/02
ID: 5033
Material Spilled 1 #2 FUEL OIL
Region Close Dt : / /
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported

Region of Spill: 2
Tank Size : Not reported
Leak Rate: Not reported
Reported to Dept: / /
Date Call Received:04/26/02
Amount Spilled 1 : 0 Gal.

Spill Source: OTHER COMM/INDUSTRIAL

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95 NW 1/4-1/2 2371 ft.
186 JAY STREET
186 JAY STREEY
BROOKLYN, NY
LTANKS S103560679
NY Spills N/A

Relative: Higher
Actual: 64 ft.

SPILLS:

Spill Number: 9500879
Spill Date: 04/21/1995 12:22
ID: Not reported
Dt Call Received: Not reported
Material Spilled 1 :Not reported
Spill Cause: Other
Water Affected: Not reported
Facility Contact: Not reported
Investigator: TIBBE
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: UNKNOWN

Region of Spill: 2
Reported to Dept: 04/21/95 12:22
Region Close Date Not reported
Amount Spilled 1 : Not reported
Resource Affected: On Land
Spill Source: Non Major Facility > 1,100 gallons
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported

186 JAY STREET (Continued) S103560679

Spiller Address: Not reported
DEC Remarks : 10/10/95: This is additional information about material spilled from the translation of the old spill file: HEATING FUEL. COPY OF MAINTEST TO COME 4/21/95). SOIL REMOVED VERY LITTLE CONTAMINATION.
Remark: 5000 GAL TANK SINGLE WALL STEEL TANK REMOVED FROM LOCATION - TEST DONE ON SOIL AND COMPAIRED TO OTHER SOIL IN AREA SHOWS LESS THAN 100/PARTS PER MILLION SOIL REMOVED TO STORAGE AREA.
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464

Spill Closed Dt: 04/21/95
Spill Notifier: Tank Tester
Cleanup Ceased: / /
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 01/26/98
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 05/12/95
Date Region Sent Summary to Central Office: / /
True Date : Not reported

PBS Number: Not reported
Cleanup Meets Std:False
Enforcement Date: / /
UST Involvement: False

LTANKS:
Spill Number: 9210273
Spill Date: 12/04/1992 12:30
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: BATTISTA
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported

Region of Spill: 2
Reported to Dept: 12/04/92 14:26
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

186 JAY STREET (Continued) S103560679

Spiller Contact: Not reported
Spiller: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 05/09/94
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 12/08/92
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: Not reported
Spill Cause: T.T.F. EXCAVATE/ISOLATE/RETEST

---

96 WSW 1/4-1/2 2382 ft.

120 SCHERMERHORN STREET
120 SCHERMERHORN STREET
BROOKLYN, NY

LTANKS S102671978
N/A

Relative: Higher

Actual: 43 ft.

LTANKS:
Spill Number: 9209002
Spill Date: 11/04/1992 11:15
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported
Facility Contact: Not reported
Investigator: O'DOWD

Region of Spill: 2
Reported to Dept: 11/04/92 11:48
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Non Commercial/Industrial
Facility Tele: Not reported
SWIS: 61

120 SCHERMERHORN STREET (Continued) S102671978

Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Address: Not reported
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 11/04/92
Spill Notifier: Other
Cleanup Ceased: 11/04/92
PBS Number: Not reported
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 11/04/92
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 10
Units: Gallons
Unknown Qty Spilled: 10
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: Not reported
Spill Cause: BLDG SUPT STUCK TANK-TOLD DRIVER TANK WOULD TAKE 6500 GALS-OIL LEAKED OUT VENT TO CONCRETE AND SOIL AREAS AT 6053 GALS-SPILLER CONTAINED SPILL-COASTAL SPILL TEAM TO COMPLETE CLEANUP

W97
NE
1/4-1/2
2412 ft.

BROOKLYN NAVY YARD INDUSTRIAL PARK
63 FLUSHING AVE.
BROOKLYN, NY 11205

UST U003075007
AST N/A
LTANKS
NY Spills

Site 1 of 3 in cluster W

Relative:
Lower

Actual:
15 ft.

SPILLS:

Spill Number: 0106026
Spill Date: 09/06/2001 09:33
ID: Not reported
Dt Call Received: Not reported
Material Spilled 1 :Not reported
Spill Cause: Equipment Failure
Water Affected: DRY DOCK
Facility Contact: MICHAEL BROWN
Investigator: TIPPLE
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: MICHAEL BROWN
Spiller: BROOKLYN NAVY YARD
Spiller Address: 63 FLUSHING AVE
BROOKLYN NY
DEC Remarks : Not reported
Remark: ******drill only - no spill*********
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.

Region of Spill: 2
Reported to Dept: 09/06/01 09:33
Region Close Date Not reported
Amount Spilled 1 : Not reported
Resource Affected: Surface Water
Spill Source: Other Commercial/Industrial
Facility Tele: (518) 246-0887
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported
Spiller Phone: (518) 246-0887

Tank Test:

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

Material:

Material Class Type: 1
Quantity Spilled: 200000
Units: Gallons
Unknown Qty Spilled: 200000
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464

Spill Closed Dt: / /
Spill Notifier: Responsible Party
Cleanup Ceased: / /
Last Inspection: / /
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Dt/ /
Invstgn Complete:/ /
Spill Record Last Update: 09/07/01
Is Updated: False
Corrective Action Plan Submitted: / /
Date Spill Entered In Computer Data File: 09/06/01

PBS Number: Not reported
Cleanup Meets Std:False
Enforcement Date: / /
UST Involvement: False

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Date Region Sent Summary to Central Office: / /
True Date : Not reported
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

LTANKS:

Spill Number: 0306663
Tank Number: Not reported
Test Method: Not reported
Spill Date: 09/24/03
ID: 30008
Material Spilled 1 :FERRIC CHLORIDE
Region Close Dt : 09/25/03
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: Not reported

Region of Spill: 2
Tank Size : Not reported
Leak Rate: Not reported
Reported to Dept: / /
Date Call Received:09/24/03
Amount Spilled 1 : Unknown Gal.

Spill Source: OTHER COMM/INDUSTRIAL

Spill Number: 0306663
Tank Number: Not reported
Test Method: Not reported
Spill Date: 09/24/03
ID: 30009
Material Spilled 1 :FERRIC CHLORIDE
Region Close Dt : 09/25/03
Resource Affectd: ON LAND
Spill Cause: TANK FAILURE
Water Affected: Not reported

Region of Spill: 2
Tank Size : Not reported
Leak Rate: Not reported
Reported to Dept: / /
Date Call Received:09/24/03
Amount Spilled 1 : Unknown Gal.

Spill Source: OTHER COMM/INDUSTRIAL

Spill Number: 0002791
Spill Date: 06/05/2000 14:30
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: NICHOLAS MANN
Investigator: TOMASELLO
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: NICHOLAS MANN
Spiller: BROOKYN NAVY YARD
Spiller Address: 63 FLUSHING AVE
BROOKLYN, NY 11205
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /

Region of Spill: 2
Reported to Dept: 06/05/00 15:51
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: (718) 852-1441
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: (718) 852-1441

PBS Number: 2-602406

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 11/05/01
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 06/05/00
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: 174
Test Method: Tankology [Vacutect]
Capacity of Failed Tank: 1000
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Talk Test Failures only pass or fail
PBS Number: Not reported
Tank Number: 174
Test Method: Tankology [Vacutect]
Capacity of Failed Tank: 1000
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Talk Test Failures only pass or fail
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: 11/05/01: MF-R9 1-1K GASOLINE UST FAILED TT. TANK REMOVED EXCAVATION SAMPLED. NO CONTAMINATED SOIL.
Spill Cause: ullage lost

PBS UST:
PBS Number: 2-602406
SPDES Number: Not reported
Operator: B.N.Y.D.C.
(718) 852-1441
Emergency Contact: NICHOLAS A. MANN
(718) 852-1441
Total Tanks: 10
CBS Number: Not reported
SWIS ID: 6101
Owner: BROOKLYN NAVY YARD DEVELOPMENT CORP
63 FLUSHING AVENUE
BROOKLYN, NY 11205
(718) 852-1441
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: BROOKLYN NAVY YARD DEVELOPMENT CORP
ATTN: JAMES CORLEY, JR.
BROOKLYN NAVY YARD
63 FLUSHING AVENUE
BROOKLYN, NY 11205

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

(718) 852-1441
Tank Status: Closed - Removed
Capacity (gals): 850
Tank Location: UNDERGROUND
Tank Id: 13-11
Tank Type: Steel/carbon steel
Tank Internal: NONE
Pipe Location: Aboveground
Tank External: NONE/NONE
Missing Data for Tank: No Missing Data
Pipe External: NONE/NONE
Second Containment: NONE/NONE
Leak Detection: NONE/NONE
Overfill Prot: None
Date Tested: Not reported
Date Closed: 03/01/1999
Deleted: False
Dead Letter: False
FAMT: Fiscal amount for registration fee is correct
Total Capacity: 79500
Tank Screen: No data missing
Renew Flag: Renwal has not been printed
Certification Flag: False
Old PBS Number: Not reported
Inspected Date: Not reported
Inspection Result: Not reported
Lat/long: Not reported
Facility Type: OTHER
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2

Install Date: Not reported
Product Stored: DIESEL
Pipe Internal: NONE
Pipe Type: STEEL/IRON
Dispenser: None
Next Test Date: Not reported
Test Method: Not reported
Updated: True
Owner Screen: No data missing
Renewal Date: Not reported
Federal ID: Not reported
Facility Screen: No data missing
Certification Date: 11/16/2001
Expiration Date: 08/17/2005
Inspector: Not reported

PBS Number: 2-602406
SPDES Number: Not reported
Operator: B.N.Y.D.C.
(718) 852-1441
Emergency Contact: NICHOLAS A. MANN
(718) 852-1441
Total Tanks: 10
Owner: BROOKLYN NAVY YARD DEVELOPMENT CORP
63 FLUSHING AVENUE
BROOKLYN, NY 11205
(718) 852-1441
Owner Type: Corporate/Commercial
Owner Mark: First Owner
Owner Subtype: Not reported
Mailing Address: BROOKLYN NAVY YARD DEVELOPMENT CORP
ATTN: JAMES CORLEY, JR.
BROOKLYN NAVY YARD
63 FLUSHING AVENUE
BROOKLYN, NY 11205
(718) 852-1441

CBS Number: Not reported
SWIS ID: 6101

Tank Status: Closed - Removed
Capacity (gals): 550
Tank Location: UNDERGROUND
Tank Id: 14-PCM

Install Date: Not reported

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Tank Type:	Steel/carbon steel	Product Stored:	UNLEADED GASOLINE
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	None
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	03/01/1999	Test Method:	Not reported
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	79500	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/16/2001
Old PBS Number:	Not reported	Expiration Date:	08/17/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-602406	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	B.N.Y.D.C. (718) 852-1441		
Emergency Contact:	NICHOLAS A. MANN (718) 852-1441		
Total Tanks:	10		
Owner:	BROOKLYN NAVY YARD DEVELOPMENT CORP 63 FLUSHING AVENUE BROOKLYN, NY 11205 (718) 852-1441		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	BROOKLYN NAVY YARD DEVELOPMENT CORP ATTN: JAMES CORLEY, JR. BROOKLYN NAVY YARD 63 FLUSHING AVENUE BROOKLYN, NY 11205 (718) 852-1441		

Tank Status:	Temporarily Out of Service		
Capacity (gals):	1000		
Tank Location:	UNDERGROUND		
Tank Id:	1-74		
Tank Type:	Steel/carbon steel	Install Date:	Not reported
Tank Internal:	NONE	Product Stored:	UNLEADED GASOLINE
Pipe Location:	Underground	Pipe Internal:	NONE
Tank External:	NONE/SACRIFICIAL ANODE	Pipe Type:	FIBERGLASS [FRP]
Missing Data for Tank:	No Missing Data		

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Pipe External:	NONE/FIBERGLASS		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/IN-TANK SYSTEM		
Overfill Prot:	High Level Alarm, Catch Basin	Dispenser:	Suction
Date Tested:	11/01/1995	Next Test Date:	Not reported
Date Closed:	03/01/1999	Test Method:	TANKOLOGY [VACUTECT]
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	79500	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/16/2001
Old PBS Number:	Not reported	Expiration Date:	08/17/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-602406	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	B.N.Y.D.C. (718) 852-1441		
Emergency Contact:	NICHOLAS A. MANN (718) 852-1441		
Total Tanks:	10		
Owner:	BROOKLYN NAVY YARD DEVELOPMENT CORP 63 FLUSHING AVENUE BROOKLYN, NY 11205 (718) 852-1441		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	BROOKLYN NAVY YARD DEVELOPMENT CORP ATTN: JAMES CORLEY, JR. BROOKLYN NAVY YARD 63 FLUSHING AVENUE BROOKLYN, NY 11205 (718) 852-1441		
Tank Status:	In Service		
Capacity (gals):	1500		
Tank Location:	UNDERGROUND		
Tank Id:	2-74		
Tank Type:	Steel/carbon steel	Install Date:	Not reported
Tank Internal:	NONE	Product Stored:	UNLEADED GASOLINE
Pipe Location:	Underground	Pipe Internal:	NONE
Tank External:	NONE/SACRIFICIAL ANODE	Pipe Type:	FIBERGLASS [FRP]
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/FIBERGLASS		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/IN-TANK SYSTEM		
Overfill Prot:	High Level Alarm, Catch Basin	Dispenser:	Suction
Date Tested:	06/05/2000	Next Test Date:	Not reported

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Date Closed:	03/01/1999	Test Method:	TANKOLOGY [VACUTECT]
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	79500	Renewal Date:	Not reported
Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/16/2001
Old PBS Number:	Not reported	Expiration Date:	08/17/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

PBS Number:	2-602406	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS ID:	6101
Operator:	B.N.Y.D.C. (718) 852-1441		
Emergency Contact:	NICHOLAS A. MANN (718) 852-1441		
Total Tanks:	10		
Owner:	BROOKLYN NAVY YARD DEVELOPMENT CORP 63 FLUSHING AVENUE BROOKLYN, NY 11205 (718) 852-1441		
Owner Type:	Corporate/Commercial		
Owner Mark:	First Owner		
Owner Subtype:	Not reported		
Mailing Address:	BROOKLYN NAVY YARD DEVELOPMENT CORP ATTN: JAMES CORLEY, JR. BROOKLYN NAVY YARD 63 FLUSHING AVENUE BROOKLYN, NY 11205 (718) 852-1441		
Tank Status:	In Service		
Capacity (gals):	10000		
Tank Location:	UNDERGROUND		
Tank Id:	3-275		
Tank Type:	Steel/carbon steel	Install Date:	Not reported
Tank Internal:	EPOXY LINER	Product Stored:	NOS 1,2, OR 4 FUEL OIL
Pipe Location:	Underground	Pipe Internal:	NONE
Tank External:	NONE/NONE	Pipe Type:	STEEL/IRON
Missing Data for Tank:	No Missing Data		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	06/05/2000	Next Test Date:	06/05/2005
Date Closed:	Not reported	Test Method:	TANKOLOGY [VACUTECT]
Deleted:	False	Updated:	True
Dead Letter:	False	Owner Screen:	No data missing
FAMT:	Fiscal amount for registration fee is correct		
Total Capacity:	79500	Renewal Date:	Not reported

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Tank Screen:	No data missing	Federal ID:	Not reported
Renew Flag:	Renwal has not been printed	Facility Screen:	No data missing
Certification Flag:	False	Certification Date:	11/16/2001
Old PBS Number:	Not reported	Expiration Date:	08/17/2005
Inspected Date:	Not reported	Inspector:	Not reported
Inspection Result:	Not reported		
Lat/long:	Not reported		
Facility Type:	OTHER		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

This is the most recent NY PBS data for this site.

Click this hyperlink while viewing on your computer to access
5 additional NY PBS record(s) in the EDR Site Report.

PBS AST:

PBS Number:	2-602406	CBS Number:	Not reported
SPDES Number:	Not reported	SWIS Code:	6101
Federal ID:	Not reported	Previous PBS#:	Not reported
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.		
Facility Type:	OTHER		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	BROOKLYN NAVY YARD DEVELOPMENT CORP 63 FLUSHING AVENUE BROOKLYN, NY 11205		
Owner Phone:	(718) 852-1441		
Facility Phone:	(718) 852-1441		
Operator:	B.N.Y.D.C.		
Emergency Name:	NICHOLAS A. MANN		
Emergency Phone:	(718) 852-1441		
Total Tanks:	10		
Total Capacity:	79500		
Tank ID:	9-270		
Capacity (Gal):	8000		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	07/01/1993		
Tank Internal:	NONE		
Tank External:	NONE/NONE		
Tank Containment:	IMPERVIOUS UNDERLAYMENT/CONCRETE DIKE		
Pipe Type:	STEEL/IRON		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Protection:	Product Level Gauge, Vent Whistle		
Dispenser Method:	Suction		
Date Tested:	/ /	Next Test Date:	/ /
Date Closed:	/ /	Test Method:	Not reported
Updated:	True	Deleted:	False
Date Inspected:	Not reported	Inspector:	Not reported

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Result of Inspection: Not reported
Mailing Name: BROOKLYN NAVY YARD DEVELOPMENT CORP
Mailing Address: BROOKLYN NAVY YARD
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Mailing Contact: JAMES CORLEY, JR.
Mailing Telephone: (718) 852-1441
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: Not reported
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2
Fiscal Amount for Registration Fee is Correct: True

Expiration Date: 08/17/2005
Certification Date: 11/16/2001
Renew Date: / /

PBS Number: 2-602406
SPDES Number: Not reported
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

CBS Number: Not reported
SWIS Code: 6101
Previous PBS#: Not reported

Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: BROOKLYN NAVY YARD DEVELOPMENT CORP
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Owner Phone: (718) 852-1441
Facility Phone: (718) 852-1441
Operator: B.N.Y.D.C.
Emergency Name: NICHOLAS A. MANN
Emergency Phone: (718) 852-1441
Total Tanks: 10
Total Capacity: 79500
Tank ID: 10-41A
Capacity (Gal): 14500
Missing Data for Tank: No data missing
Tank Location: ABOVEGROUND
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Install Date: / /
Tank Internal: NONE
Tank External: NONE/NONE
Tank Containment: NONE/PREFABRICATED STEEL DIKE
Pipe Type: STEEL/IRON
Pipe Location: Aboveground
Pipe Internal: NONE
Pipe External: NONE/NONE
Leak Detection: NONE/NONE
Overfill Protection: Automatic Shut-Off, Catch Basin
Dispenser Method: Suction
Date Tested: / /

Next Test Date: / /

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Date Closed:	/ /		
Updated:	True	Test Method:	Not reported
Date Inspected:	Not reported	Deleted:	False
Result of Inspection:	Not reported	Inspector:	Not reported
Mailing Name:	BROOKLYN NAVY YARD DEVELOPMENT CORP		
Mailing Address:	BROOKLYN NAVY YARD 63 FLUSHING AVENUE BROOKLYN, NY 11205		
Mailing Contact:	JAMES CORLEY, JR.		
Mailing Telephone:	(718) 852-1441		
Owner Mark:	First Owner		
Certification Flag:	False	Expiration Date:	08/17/2005
Renew Flag:	False	Certification Date:	11/16/2001
Lat/Long:	Not reported	Renew Date:	/ /
Dead Letter:	False		
Facility Screen:	No data missing		
Owner Screen:	No data missing		
Tank Screen:	No data missing		
Town or City:	NEW YORK CITY		
Town or City Code:	01		
County Code:	61		
Region:	2		

Fiscal Amount for Registration Fee is Correct: True

PBS Number:	2-602406		
SPDES Number:	Not reported	CBS Number:	Not reported
Federal ID:	Not reported	SWIS Code:	6101
Facility Status:	1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.	Previous PBS#:	Not reported
Facility Type:	OTHER		
Owner Type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Owner:	BROOKLYN NAVY YARD DEVELOPMENT CORP 63 FLUSHING AVENUE BROOKLYN, NY 11205		
Owner Phone:	(718) 852-1441		
Facility Phone:	(718) 852-1441		
Operator:	B.N.Y.D.C.		
Emergency Name:	NICHOLAS A. MANN		
Emergency Phone:	(718) 852-1441		
Total Tanks:	10		
Total Capacity:	79500		
Tank ID:	11-41A		
Capacity (Gal):	14500		
Missing Data for Tank :	No data missing		
Tank Location:	ABOVEGROUND		
Product Stored:	NOS 1,2, OR 4 FUEL OIL		
Tank Type:	Steel/carbon steel		
Install Date:	/ /		
Tank Internal:	NONE		
Tank External:	NONE/NONE		
Tank Containment:	NONE/PREFABRICATED STEEL DIKE		
Pipe Type:	STEEL/IRON		
Pipe Location:	Aboveground		
Pipe Internal:	NONE		
Pipe External:	NONE/NONE		
Leak Detection:	NONE/NONE		

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Overfill Protection: Automatic Shut-Off, Catch Basin
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: True
Date Inspected: Not reported
Result of Inspection: Not reported
Mailing Name: BROOKLYN NAVY YARD DEVELOPMENT CORP
Mailing Address: BROOKLYN NAVY YARD
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Mailing Contact: JAMES CORLEY, JR.
Mailing Telephone: (718) 852-1441
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: Not reported
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2
Fiscal Amount for Registration Fee is Correct: True

Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: Not reported

Expiration Date: 08/17/2005
Certification Date: 11/16/2001
Renew Date: / /

PBS Number: 2-602406
SPDES Number: Not reported
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: BROOKLYN NAVY YARD DEVELOPMENT CORP
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Owner Phone: (718) 852-1441
Facility Phone: (718) 852-1441
Operator: B.N.Y.D.C.
Emergency Name: NICHOLAS A. MANN
Emergency Phone: (718) 852-1441
Total Tanks: 10
Total Capacity: 79500
Tank ID: 12-41A
Capacity (Gal): 15000
Missing Data for Tank : No data missing
Tank Location: ABOVEGROUND
Product Stored: NOS 1,2, OR 4 FUEL OIL
Tank Type: Steel/carbon steel
Install Date: / /
Tank Internal: NONE
Tank External: NONE/NONE
Tank Containment: NONE/PREFABRICATED STEEL DIKE
Pipe Type: STEEL/IRON
Pipe Location: Aboveground

CBS Number: Not reported
SWIS Code: 6101
Previous PBS#: Not reported

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Pipe Internal: NONE
Pipe External: NONE/NONE
Leak Detection: NONE/NONE
Overfill Protection: Automatic Shut-Off, Catch Basin
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: True
Date Inspected: Not reported
Result of Inspection: Not reported
Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: Not reported
Mailing Name: BROOKLYN NAVY YARD DEVELOPMENT CORP
Mailing Address: BROOKLYN NAVY YARD
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Mailing Contact: JAMES CORLEY, JR.
Mailing Telephone: (718) 852-1441
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: Not reported
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2
Expiration Date: 08/17/2005
Certification Date: 11/16/2001
Renew Date: / /
Fiscal Amount for Registration Fee is Correct: True

PBS Number: 2-602406
SPDES Number: Not reported
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
CBS Number: Not reported
SWIS Code: 6101
Previous PBS#: Not reported
Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: BROOKLYN NAVY YARD DEVELOPMENT CORP
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Owner Phone: (718) 852-1441
Facility Phone: (718) 852-1441
Operator: B.N.Y.D.C.
Emergency Name: NICHOLAS A. MANN
Emergency Phone: (718) 852-1441
Total Tanks: 10
Total Capacity: 79500
Tank ID: 13-542
Capacity (Gal): 5000
Missing Data for Tank : No data missing
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Product Stored: DIESEL
Tank Type: Steel/carbon steel
Install Date: 11/01/1999
Tank Internal: NONE
Tank External: NONE/PAINTED/ASPHALT COATING

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Tank Containment: NONE/PREFABRICATED STEEL DIKE
Pipe Type: STEEL/IRON
Pipe Location: Aboveground
Pipe Internal: NONE
Pipe External: NONE/PAINTED/ASPHALT COATING
Leak Detection: NONE/IN-TANK SYSTEM
Overfill Protection: High Level Alarm, Catch Basin
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: True
Date Inspected: Not reported
Result of Inspection: Not reported
Mailing Name: BROOKLYN NAVY YARD DEVELOPMENT CORP
Mailing Address: BROOKLYN NAVY YARD
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Mailing Contact: JAMES CORLEY, JR.
Mailing Telephone: (718) 852-1441
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: Not reported
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2
Fiscal Amount for Registration Fee is Correct: True

Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: Not reported

Expiration Date: 08/17/2005
Certification Date: 11/16/2001
Renew Date: / /

PBS Number: 2-602406
SPDES Number: Not reported
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: BROOKLYN NAVY YARD DEVELOPMENT CORP
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Owner Phone: (718) 852-1441
Facility Phone: (718) 852-1441
Operator: B.N.Y.D.C.
Emergency Name: NICHOLAS A. MANN
Emergency Phone: (718) 852-1441
Total Tanks: 10
Total Capacity: 79500
Tank ID: 14-542
Capacity (Gal): 5000
Missing Data for Tank : No data missing
Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Product Stored: DIESEL
Tank Type: Steel/carbon steel

CBS Number: Not reported
SWIS Code: 6101
Previous PBS#: Not reported

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Install Date: 11/01/1999
Tank Internal: NONE
Tank External: NONE/PAINTED/ASPHALT COATING
Tank Containment: NONE/PREFABRICATED STEEL DIKE
Pipe Type: STEEL/IRON
Pipe Location: Aboveground
Pipe Internal: NONE
Pipe External: NONE/PAINTED/ASPHALT COATING
Leak Detection: NONE/IN-TANK SYSTEM
Overfill Protection: High Level Alarm, Catch Basin
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: True
Date Inspected: Not reported
Result of Inspection: Not reported
Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: Not reported
Mailing Name: BROOKLYN NAVY YARD DEVELOPMENT CORP
Mailing Address: BROOKLYN NAVY YARD
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Mailing Contact: JAMES CORLEY, JR.
Mailing Telephone: (718) 852-1441
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: Not reported
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2
Expiration Date: 08/17/2005
Certification Date: 11/16/2001
Renew Date: / /
Fiscal Amount for Registration Fee is Correct: True

PBS Number: 2-602406
SPDES Number: Not reported
Federal ID: Not reported
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.
CBS Number: Not reported
SWIS Code: 6101
Previous PBS#: Not reported
Facility Type: OTHER
Owner Type: Corporate/Commercial
Owner Sub Type: Not reported
Owner: BROOKLYN NAVY YARD DEVELOPMENT CORP
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Owner Phone: (718) 852-1441
Facility Phone: (718) 852-1441
Operator: B.N.Y.D.C.
Emergency Name: NICHOLAS A. MANN
Emergency Phone: (718) 852-1441
Total Tanks: 10
Total Capacity: 79500
Tank ID: 15-542
Capacity (Gal): 5000
Missing Data for Tank : No data missing

BROOKLYN NAVY YARD INDUSTRIAL PARK (Continued) U003075007

Tank Location: ABOVEGROUND ON SADDLES LEGS, STILTS, RACK, OR CRADLE
Product Stored: DIESEL
Tank Type: Steel/carbon steel
Install Date: 11/01/1999
Tank Internal: NONE
Tank External: NONE/PAINTED/ASPHALT COATING
Tank Containment: NONE/PREFABRICATED STEEL DIKE
Pipe Type: STEEL/IRON
Pipe Location: Aboveground
Pipe Internal: NONE
Pipe External: NONE/PAINTED/ASPHALT COATING
Leak Detection: NONE/IN-TANK SYSTEM
Overfill Protection: High Level Alarm, Catch Basin
Dispenser Method: Suction
Date Tested: / /
Date Closed: / /
Updated: True
Date Inspected: Not reported
Result of Inspection: Not reported
Mailing Name: BROOKLYN NAVY YARD DEVELOPMENT CORP
Mailing Address: BROOKLYN NAVY YARD
63 FLUSHING AVENUE
BROOKLYN, NY 11205
Mailing Contact: JAMES CORLEY, JR.
Mailing Telephone: (718) 852-1441
Owner Mark: First Owner
Certification Flag: False
Renew Flag: False
Lat/Long: Not reported
Dead Letter: False
Facility Screen: No data missing
Owner Screen: No data missing
Tank Screen: No data missing
Town or City: NEW YORK CITY
Town or City Code: 01
County Code: 61
Region: 2
Fiscal Amount for Registration Fee Is Correct: True

Next Test Date: / /
Test Method: Not reported
Deleted: False
Inspector: Not reported

Expiration Date: 08/17/2005
Certification Date: 11/16/2001
Renew Date: / /

W98
NE
1/4-1/2
2412 ft.

RED HOOK WATER POLLUTION CONTROL PLANT
63 FLUSHING AVENUE
BROOKLYN, NY 11205

CBS AST S104879106
LTANKS N/A
NY Spills

Site 2 of 3 in cluster W

Relative:
Lower

Actual:
15 ft.

SPILLS:

Spill Number: 0209778
Tank Number: Not reported
Test Method: Not reported
Spill Date: 12/24/02
ID: 16789
Date Call Received: 12/24/02
Region Close Date : 12/24/02
Material Spilled 1 :DIESEL
Spill Cause: ON LAND
Water Affected: Not reported

Region of Spill: 2
Tank Size : Not reported
Leak Rate: Not reported
Reported to Dept: / /

Amount Spilled 1 : 10 Gal.
Resource Affected: ON LAND
Spill Source: COMMERCIAL VEHICLE

This is the most recent NY SPILLS record for this site.

RED HOOK WATER POLLUTION CONTROL PLANT (Continued) S104879106

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

CBS AST:

CBS Number:	2-000369		
Owner:	NYC DEP BUREAU OF WASTEWATER POLLUTION CONTROL 96-05 HORACE HARDING EXPRESSWAY CORONA, NY 11368 (718) 595-5050	Telephone:	(718) 935-1507
Facility Status:	Active		
Total Tanks	8		
Tank Status:	In Service		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	Not reported		
Capacity (Gal):	12000		
Tank Type:	Fiberglass reinforced plastic [FRP]		
Substance:	Single Hazardous Substance on DEC List		
Extml Protection:	Fiberglass		
Intml Protection:	Glass Liner		
Tank Containment:	Diking		
Pipe Type:	PLASTIC		
Pipe Internal:	None	Pipe Location:	Aboveground
Pipe External:	None		
Pipe Containment:	None		
Leak Detection:	Vapor Well	Haz Percent:	15
Overfill Protection:	Not reported		
Chemical:	Sodium hypochlorite		
Tank Closed:	Not reported		
PBS Number:	Not reported		
Federal ID:	Not reported	SWIS Code:	6101
MOSF Number:	Not reported		
SPDES Number:	Not reported	CAS Number:	7681529
Facility Type:	Municipality	ICS Number:	Not reported
Operator:	GUY PAPPACCENO		
Emrgncy Contact:	WATCH ENGINEER	Facility Town:	NEW YORK CITY
Certified Date:	01/02/2001	Emrgncy Phone:	(718) 935-1507
Owner type:	Local Government	Expiration Date:	11/21/2002
Owner Sub Type:	Not reported		
Mail Name:	NYCDEP BUREAU OF WASTEWATER TREATMENT		
Mail Contact:	THOMAS A PAKENIS - DEPUTY DIR 96-05 HORACE HARDING EXPRESSWAY 2ND FLOOR CORONA, NY 11368		
Mail Phone:	(718) 595-5134		
Tank Secret:	False		
Last Test:	Not reported	Date Entered:	11/21/2000 09:35:33
Pipe Flag:	False	Due Date:	Not reported
Renew Date:	Not reported	Owner Mark:	1
Is It There:	False	Date Expired:	Not reported
Owner Status:	F	Is Updated:	False

Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	False
Total Capacity of All Active Tanks(gal):	49200
Unique Tank Id Number:	4203
Date Pre-Printed Renewal App Form Was Last Printed:	/ /

RED HOOK WATER POLLUTION CONTROL PLANT (Continued) S104879106

CBS Number: 2-000369
Owner: NYC DEP BUREAU OF WASTEWATER POLLUTION CONTROL
96-05 HORACE HARDING EXPRESSWAY
CORONA, NY 11368
(718) 595-5050
Telephone: (718) 935-1507
Facility Status: Active
Total Tanks 8
Tank Status: In Service
Tank Error Status: No Missing Data
Tank Location: Aboveground
Install Date: Not reported
Capacity (Gal): 1000
Tank Type: Fiberglass reinforced plastic [FRP]
Substance: Single Hazardous Substance on DEC List
Extml Protection: None
Intml Protection: None
Tank Containment: None
Pipe Type: PLASTIC
Pipe Location: Aboveground
Pipe Internal: None
Pipe External: None
Pipe Containment: None
Leak Detection: None
Haz Percent: 15
Overfill Protection: Not reported
Chemical: Sodium hypochlorite
Tank Closed: Not reported
PBS Number: Not reported
Federal ID: Not reported
SWIS Code: 6101
MOSF Number: Not reported
SPDES Number: Not reported
CAS Number: 7681529
ICS Number: Not reported
Facility Type: Municipality
Operator: GUY PAPPACCENO
Emrgncy Contact: WATCH ENGINEER
Facility Town: NEW YORK CITY
Emrgncy Phone: (718) 935-1507
Certified Date: 01/02/2001
Expiration Date: 11/21/2002
Owner type: Local Government
Owner Sub Type: Not reported
Mail Name: NYCDEP BUREAU OF WASTEWATER TREATMENT
Mail Contact: THOMAS A PAKENIS - DEPUTY DIR
96-05 HORACE HARDING EXPRESSWAY
2ND FLOOR
CORONA, NY 11368
Mail Phone: (718) 595-5134
Tank Secret: False
Last Test: Not reported
Date Entered: 11/21/2000 09:38:41
Pipe Flag: False
Due Date: Not reported
Renew Date: Not reported
Owner Mark: 1
Is It There: False
Date Expired: Not reported
Owner Status: F
Is Updated: False
Certificate Needs to be Printed: False
Fiscal Amt for Registration Fee Correct: True
Renewal Has Been Printed for Facility: False
Total Capacity of All Active Tanks(gal): 49200
Unique Tank Id Number: 4200EO
Date Pre-Printed Renewal App Form Was Last Printed: / /

CBS Number: 2-000369
Owner: NYC DEP BUREAU OF WASTEWATER POLLUTION CONTROL
Telephone: (718) 935-1507

RED HOOK WATER POLLUTION CONTROL PLANT (Continued) S104879106

96-05 HORACE HARDING EXPRESSWAY
CORONA, NY 11368
(718) 595-5050

Facility Status:	Active		
Total Tanks	8		
Tank Status:	In Service		
Tank Error Status:	No Missing Data		
Tank Location:	Aboveground		
Install Date:	06/92		
Capacity (Gal):	6200		
Tank Type:	Fiberglass reinforced plastic [FRP]		
Substance:	Single Hazardous Substance on DEC List		
Extml Protection:	Fiberglass		
Intml Protection:	Glass Liner		
Tank Containment:	Double-Walled		
Pipe Type:	OTHER		
Pipe Internal:	Fiberglass Liner (FRP)	Pipe Location:	Aboveground
Pipe External:	Other		
Pipe Containment:	Other		
Leak Detection:	In-tank System	Haz Percent:	100
Overfill Protection:	Not reported		
Chemical:	Ferric chloride		
Tank Closed:	Not reported		
PBS Number:	Not reported		
Federal ID:	Not reported	SWIS Code:	6101
MOSF Number:	Not reported		
SPDES Number:	Not reported	CAS Number:	7705080
Facility Type:	Municipality	ICS Number:	Not reported
Operator:	GUY PAPPACCENO		
Emrgncy Contact:	WATCH ENGINEER	Facility Town:	NEW YORK CITY
Certified Date:	01/02/2001	Emrgncy Phone:	(718) 935-1507
Owner type:	Local Government	Expiration Date:	11/21/2002
Owner Sub Type:	Not reported		
Mail Name:	NYCDEP BUREAU OF WASTEWATER TREATMENT		
Mail Contact:	THOMAS A PAKENIS - DEPUTY DIR 96-05 HORACE HARDING EXPRESSWAY 2ND FLOOR CORONA, NY 11368		
Mail Phone:	(718) 595-5134		
Tank Secret:	False		
Last Test:	Not reported	Date Entered:	11/21/2000 09:39:28
Pipe Flag:	False	Due Date:	Not reported
Renew Date:	Not reported	Owner Mark:	1
Is It There:	False	Date Expired:	Not reported
Owner Status:	F	Is Updated:	False

Certificate Needs to be Printed:	False
Fiscal Amt for Registration Fee Correct:	True
Renewal Has Been Printed for Facility:	False
Total Capacity of All Active Tanks(gal):	49200
Unique Tank Id Number:	575000
Date Pre-Printed Renewal App Form Was Last Printed:	/ /

CBS Number: 2-000369
Owner: NYC DEP BUREAU OF WASTEWATER POLLUTION CONTROL
96-05 HORACE HARDING EXPRESSWAY
CORONA, NY 11368
(718) 595-5050
Telephone: (718) 935-1507

RED HOOK WATER POLLUTION CONTROL PLANT (Continued) S104879106

Facility Status: Active
Total Tanks 8
Tank Status: In Service
Tank Error Status: No Missing Data
Tank Location: Aboveground
Install Date: Not reported
Capacity (Gal): 12000
Tank Type: Fiberglass reinforced plastic [FRP]
Substance: Single Hazardous Substance on DEC List
Extml Protection: Fiberglass
Intml Protection: Glass Liner
Tank Containment: Diking
Pipe Type: PLASTIC
Pipe Internal: None
Pipe Location: Aboveground
Pipe External: None
Pipe Containment: None
Leak Detection: Vapor Well
Haz Percent: 15
Overfill Protection: Not reported
Chemical: Sodium hypochlorite
Tank Closed: Not reported
PBS Number: Not reported
Federal ID: Not reported
SWIS Code: 6101
MOSF Number: Not reported
SPDES Number: Not reported
CAS Number: 7681529
Facility Type: Municipality
ICS Number: Not reported
Operator: GUY PAPPACCENO
Emrgncy Contact: WATCH ENGINEER
Facility Town: NEW YORK CITY
Certified Date: 01/02/2001
Emrgncy Phone: (718) 935-1507
Owner type: Local Government
Expiration Date: 11/21/2002
Owner Sub Type: Not reported
Mail Name: NYCDEP BUREAU OF WASTEWATER TREATMENT
Mail Contact: THOMAS A PAKENIS - DEPUTY DIR
96-05 HORACE HARDING EXPRESSWAY
2ND FLOOR
CORONA, NY 11368
Mail Phone: (718) 595-5134
Tank Secret: False
Last Test: Not reported
Date Entered: 11/21/2000 09:40:49
Pipe Flag: False
Due Date: Not reported
Renew Date: Not reported
Owner Mark: 1
Is it There: False
Date Expired: Not reported
Owner Status: F
Is Updated: False
Certificate Needs to be Printed: False
Fiscal Amt for Registration Fee Correct: True
Renewal Has Been Printed for Facility: False
Total Capacity of All Active Tanks(gal): 49200
Unique Tank Id Number: 4202
Date Pre-Printed Renewal App Form Was Last Printed: / /

This is the most recent NY CBS AST data for this site.

Click this hyperlink while viewing on your computer to access 3 additional NY CBS AST record(s) in the EDR Site Report.

LTANKS:
Spill Number: 0306899
Tank Number: 1
Region of Spill: 2
Test Method: HORNER EZ CHECK
Tank Size : 1500
Leak Rate: 0.00

90 CARLTON AVE (Continued) S102663363

Date Spill Entered In Computer Data File: 07/25/97
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 0
Units: Gallons
Unknown Qty Spilled: No
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #2 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #2 FUEL OIL
Last Date: 12/07/1994
Num Times Material Entry In File: 24464
DEC Remarks: FD 31 BATTALLION UNIT, 917 769-0431, WAS ON SCENE, SPOKE TO FIRE HAZMAT AT 2:00 PM SAID THAT CONSOLIDATE OIL CO- HAS TAKEN UP CLEAN-UP AND DISPO SAL RESPONSIBILITY.
Spill Cause: CALL FOM DEP-CONSOLIDATED REFUSING TO CLEAN UP A TANK OVERFILL FIRE DEP T ON SCENE PUT DOWN PADS AND ABSORBANT AND BARRELLED EXCESS

X100
SSE
1/4-1/2
2465 ft.

620 FULTON ST.
620 FULTON ST.
BROOKLYN, NY

LTANKS S100879265
N/A

Relative:
Higher

Site 1 of 2 in cluster X

Actual:
39 ft.

LTANKS:
Spill Number: 9313579
Spill Date: 02/18/1994 09:30
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: O'DOWD
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: RENDEL FORBES - OWNER
Spiller Address: Not reported
Spill Class: Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Other
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False

Region of Spill: 2
Reported to Dept: 02/18/94 14:30
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Gas Station
Facility Tele: (718) 852-5212
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

620 FULTON ST. (Continued) S100879265

Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 02/22/94
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: SOIL FOUND IN TANK PULLS 13 TANKS HAVE BEEN PULLED - TO STOCK PILE SOIL

X101
SSE
1/4-1/2
2465 ft.

CITGO
620 FULTON ST.
BROOKLYN, NY

LTANKS S100167816
N/A

Site 2 of 2 in cluster X

Relative:
Higher

Actual:
39 ft.

LTANKS:
Spill Number: 8911007
Spill Date: 02/19/1990 18:15
ID: Not reported
Material Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: SULLIVAN
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: CITGO
Spiller Address: Not reported

Region of Spill: 2
Reported to Dept: 02/19/90 20:40
Date Call Received: Not reported
Amount Spilled 1 : Not reported

Spill Source: Gas Station
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

CITGO (Continued) S100167816

Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Fire Department PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 11/13/92
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 03/01/90
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Not reported
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: 02/19/90: TO RETEST.
Spill Cause: 6-550 S MANIFOLDED -.096GPH

W102
NE
1/4-1/2
2488 ft.

58-02 FLUSHING AVE/QUEENS
58-02 FLUSHING AVENUE
NEW YORK CITY, NY

LTANKS S105230168
N/A

Relative:
Lower

Site 3 of 3 in cluster W

Actual:
15 ft.

LTANKS:
Spill Number: 9005372
Spill Date: 08/14/1990 17:00
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: Groundwater
Spill Cause: Tank Test Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: SULLIVAN
Caller Name: Not reported
Caller Phone: Not reported

Region of Spill: 2
Reported to Dept: 08/15/90 08:23
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Gas Station
Facility Tele: (718) 326-7265
SWIS: 63
Caller Agency: Not reported
Caller Extension: Not reported

58-02 FLUSHING AVE/QUEENS (Continued) S105230168

Notifier Name: Not reported
Notifier Phone: Not reported
Notifier Agency: Not reported
PBS : Not reported
Notifier Extension: Not reported
Spiller Contact: Not reported
Spiller: Not reported
Spiller Phone: Not reported
Spiller Address: Not reported
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Tank Tester
Cleanup Ceased: / /
PBS Number: Not reported
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: True
Spill Record Last Update: 12/10/01
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 08/20/90
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: 0
Leak Rate Failed Tank: 0.00
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Pounds
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: GASOLINE
Class Type: Petroleum
Chem Abstract Service Number: GASOLINE
Last Date: 09/29/1994
Num Times Material Entry In File: 21329
DEC Remarks: Not reported
Spill Cause: 8) 550 GAL TANKS FAILED AN AIR PRESSURE TEST WITH AN UNDETERMINED LEAK RATE, UNKNOWN ACTION.

Y103
West
1/4-1/2
2510 ft.

ADVANCED MANAGEMENT
26 COURT ST
BROOKLYN, NY

LTANKS S102672301
NY Spills N/A

Relative:
Higher

Actual:
67 ft.

Site 1 of 2 in cluster Y

SPILLS:
Spill Number: 0400897
Tank Number: Not reported
Test Method: Not reported
Spill Date: 04/27/04
ID: 39911
Region of Spill: 2
Tank Size : Not reported
Leak Rate: Not reported
Reported to Dept: / /

ADVANCED MANAGEMENT (Continued) S102672301

Date Call Received: 04/27/04
Region Close Date : / /
Material Spilled 1 #2 FUEL OIL — Amount Spilled 1 : 1200 Gal.
Spill Cause: ON LAND — Resource Affected: ON LAND
Water Affected: Not reported — Spill Source: PRIVATE DWELLING
This is the most recent NY SPILLS record for this site.

Click this hyperlink while viewing on your computer to access additional NY SPILLS detail in the EDR Site Report.

LTANKS:
Spill Number: 9311635 — Region of Spill: 2
Spill Date: 12/30/1993 00:45 — Reported to Dept: 12/30/93 00:58
ID: Not reported — Date Call Received: Not reported
Material Spilled 1 : Not reported — Amount Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Overfill
Water Affected: Not reported — Spill Source: Other Commercial/Industrial
Facility Contact: Not reported — Facility Tele: (718) 979-4491
Investigator: SIGONA/ENGELHAD — SWIS: 61
Caller Name: Not reported — Caller Agency: Not reported
Caller Phone: Not reported — Caller Extension: Not reported
Notifier Name: Not reported — Notifier Agency: Not reported
Notifier Phone: Not reported — Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: Not reported — Spiller Phone: Not reported
Spiller: KC FUEL TRANSPORT.
Spiller Address: 430 CARROL ST.
BROOKLYN
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 12/30/93
Spill Notifier: Responsible Party — PBS Number: Not reported
Cleanup Ceased: 12/30/93
Last Inspection: / /
Cleanup Meets Standard: True
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 08/31/94
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 12/30/93
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: 50

ADVANCED MANAGEMENT (Continued) S102672301

Units: Gallons
Unknown Qty Spilled: 50
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #4 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #4 FUEL OIL
Last Date: 12/05/1994
Num Times Material Entry In File: 1751
DEC Remarks: Not reported
Spill Cause: OVERFILLED THE TANK IN PROCESS OF CLEANING UP WOTH SPEEDY DRY 917)269-6 129 BEEPER. ACCORDING TO SPILLER THE SITE IS CLEAN.

Z104
NE
1/4-1/2
2522 ft.

Relative:
Lower

Actual:
15 ft.

BROOKLYN NAVY YARD - NYC DEP
FLUSHING AVE AT CUMBERLAND
BROOKLYN, NY 11205

RCRA-SQG 1000446347
FINDS NYD986910685
VCP

Site 1 of 2 in cluster Z

RCRAInfo:
Owner: BROOKLYN NAVY YARD CORP
(212) 555-1212
EPA ID: NYD986910685
Contact: Not reported
Classification: Small Quantity Generator
TSDF Activities: Not reported
Violation Status: Violations exist

Regulation Violated: Not reported
Area of Violation: GENERATOR-ANNUAL REPORTING REQUIREMENTS
Date Violation Determined: 10/07/1996
Actual Date Achieved Compliance: 02/05/1997

Enforcement Action: WRITTEN INFORMAL
Enforcement Action Date: 10/07/1996
Penalty Type: Proposed Monetary Penalty

Enforcement Action: INITIAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date: 02/05/1997
Penalty Type: Proposed Monetary Penalty

Penalty Summary:

Penalty Description	Penalty Date	Penalty Amount	Lead Agency
Proposed Monetary Penalty	2/5/1997	1200	STATE

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	GENERATOR-ANNUAL REPORTING REQUIREMENTS	19970205

NY MANIFEST

Click this hyperlink while viewing on your computer to access additional NY MANIFEST detail in the EDR Site Report.

BROOKLYN NAVY YARD - NYC DEP (Continued) 1000446347

FINDS:
Other Pertinent Environmental Activity Identified at Site:
Resource Conservation and Recovery Act Information system

NY VCP:
Facility ID : V00120
Region : 2

Z105 NE 1/4-1/2 2522 ft. **BROOKLYN NAVY YARD**
FLUSHING AV/CUMBERLAND ST
BROOKLYN, NY
LTANKS **S102233303**
N/A

Site 2 of 2 in cluster Z

Relative: Lower

Actual: 15 ft.

LTANKS:
Spill Number: 9516674
Region of Spill: 2
Spill Date: 03/26/1996 16:30
Reported to Dept: 03/26/96 19:02
ID: Not reported
Date Call Received: Not reported
Material Spilled 1 : Not reported
Amount Spilled 1 : Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Spill Source: Commercial Vehicle
Facility Contact: MARK KHAN
Facility Tele: (718) 852-1441
Investigator: TOMASELLO
SWIS: 61
Caller Name: Not reported
Caller Agency: Not reported
Caller Phone: Not reported
Caller Extension: Not reported
Notifier Name: Not reported
Notifier Agency: Not reported
Notifier Phone: Not reported
Notifier Extension: Not reported
PBS : Not reported
Spiller Contact: MARK KHAN
Spiller Phone: (718) 852-1441
Spiller: KHAN TRUCKING
Spiller Address: BROOKLYN NAVY YARD
BROOKLYN, NY 11205
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: 03/27/96
Spill Notifier: Responsible Party
PBS Number: Not reported
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: 04/03/96
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 03/26/96
Date Region Sent Summary to Central Office: / /
Tank Test:
PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported

BROOKLYN NAVY YARD (Continued) S102233303

Material:
Material Class Type: 1
Quantity Spilled: 10
Units: Gallons
Unknown Qty Spilled: 10
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: DIESEL
Class Type: Petroleum
Chem Abstract Service Number: DIESEL
Last Date: 07/28/1994
Num Times Material Entry In File: 10625
DEC Remarks: Not reported
Spill Cause: tractor trailor hit a pot hole and ruptured tank clean up crew enroute

---

Y106 West 1/4-1/2 2525 ft.
32 COURT STREET
32 COURT ST
BROOKLYN, NY
LTANKS S101509060 N/A

Relative: Higher
Actual: 66 ft.

Site 2 of 2 in cluster Y

LTANKS:
Spill Number: 9501294
Spill Date: 05/01/1995 09:00
ID: Not reported
Material Spilled 1 :Not reported
Region Close Dt : Not reported
Resource Affectd: On Land
Spill Cause: Tank Failure
Water Affected: Not reported
Facility Contact: Not reported
Investigator: MULQUEEN
Caller Name: Not reported
Caller Phone: Not reported
Notifier Name: Not reported
Notifier Phone: Not reported
PBS : Not reported
Spiller Contact: Not reported
Spiller: UNKNOWN
Spiller Address: Not reported
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt: / /
Spill Notifier: Fire Department
Cleanup Ceased: / /
Last Inspection: / /
Cleanup Meets Standard: False
Recommended Penalty: Penalty Not Recommended
Spiller Cleanup Date: / /
Enforcement Date: / /
Investigation Complete: / /
UST Involvement: False
Spill Record Last Update: / /
Is Updated: False
Corrective Action Plan Submitted: / /
True Date : Not reported
Date Spill Entered In Computer Data File: 05/18/95
Date Region Sent Summary to Central Office: / /
Tank Test:

Region of Spill: 2
Reported to Dept: 05/01/95 11:15
Date Call Received:Not reported
Amount Spilled 1 : Not reported

Spill Source: Other Commercial/Industrial
Facility Tele: Not reported
SWIS: 61
Caller Agency: Not reported
Caller Extension: Not reported
Notifier Agency: Not reported
Notifier Extension: Not reported

Spiller Phone: Not reported

PBS Number: Not reported

32 COURT STREET (Continued) S101509060

PBS Number: Not reported
Tank Number: Not reported
Test Method: Not reported
Capacity of Failed Tank: Not reported
Leak Rate Failed Tank: Not reported
Gross Leak Rate: Not reported
Material:
Material Class Type: 1
Quantity Spilled: -1
Units: Gallons
Unknown Qty Spilled: -1
Quantity Recovered: 0
Unknown Qty Recovered: False
Material: #6 FUEL OIL
Class Type: Petroleum
Chem Abstract Service Number: #6 FUEL OIL
Last Date: 07/28/1994
Num Times Material Entry In File: 2190
DEC Remarks: Not reported
Spill Cause: TANK LEAKING - AST DIKED - CONTINOUS LEAK LOCATION

---

107 WSW 1/4-1/2 2624 ft. **LVINGSTON ASSOC.**
88 LIVINGSTON ST
BROOKLYN, NY

LTANKS S105997861
N/A

Relative: Higher

Actual: 58 ft.

LTANKS:

Spill Number: 0210205
Tank Number: 1
Test Method: HORNER EZ CHECK
Spill Date: 01/09/03
ID: 17348
Material Spilled 1 #2 FUEL OIL
Region Close Dt : 11/12/03
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported

Region of Spill: 2
Tank Size : 2500
Leak Rate: 0.00
Reported to Dept: / /
Date Call Received:01/09/03
Amount Spilled 1 : 0 Gal.

Spill Source: OTHER COMM/INDUSTRIAL

Spill Number: 0210205
Tank Number: 1
Test Method: HORNER EZ CHECK
Spill Date: 01/09/03
ID: 17349
Material Spilled 1 #2 FUEL OIL
Region Close Dt : 11/12/03
Resource Affectd: ON LAND
Spill Cause: TANK TEST FAILURE
Water Affected: Not reported

Region of Spill: 2
Tank Size : 2500
Leak Rate: 0.00
Reported to Dept: / /
Date Call Received:01/09/03
Amount Spilled 1 : 0 Gal.

Spill Source: OTHER COMM/INDUSTRIAL

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
AA108 North 1/2-1 3227 ft. Relative: Higher Actual: 39 ft.	BROOKLYN GAS LIGHT CO. 220 FRONT ST. BROOKLYN, NY 11201 Site 1 of 2 in cluster AA COAL GAS SITE DESCRIPTION: Site is on the corner of Front St. and Gold St. (C12) ©Copyright 1993 Real Property Scan, Inc.	Coal Gas	G000000387 N/A
AA109 North 1/2-1 3227 ft. Relative: Higher Actual: 39 ft.	BROOKLYN UNION GAS LIGHT CO. 220 FRONT ST. BROOKLYN, NY 11201 Site 2 of 2 in cluster AA COAL GAS SITE DESCRIPTION: Site is a gas holder. Site is between Front St. and York St., and between Bridge St. and Gold St. (C12) ©Copyright 1993 Real Property Scan, Inc.	Coal Gas	G000000396 N/A
110 ENE 1/2-1 3235 ft. Relative: Lower Actual: 30 ft.	NAVY BARRACKS BKLYN BROOKLYN, NY FUDS: Federal Facility ID: NY9799F7852 Facility Name: NAVY BARRACKS BKLYN City: BROOKLYN State: NY EPA Region: 2 County: KINGS Congressional District: 10 US Army District: New York District (NAN) Fiscal Year: 2003 First Name: GREGORY Last name: GOEPFERT Phone: 212-264-9113 Inst ID: 56453 CTC: Not reported RAB: Not reported	FUDS	1007211607 N/A
111 North 1/2-1 3723 ft. Relative: Lower Actual: 23 ft.	BROOKLYN GAS LIGHT CO. 274 PLYMOUTH ST. BROOKLYN, NY 11201 COAL GAS SITE DESCRIPTION: Site is a Gas Holder. (C12) ©Copyright 1993 Real Property Scan, Inc.	Coal Gas	G000000388 N/A

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
112 NNW 1/2-1 4030 ft.	NATIONAL LEAD CO. 80 JOHN ST. BROOKLYN, NY 11201	Coal Gas	G000000393 N/A

Relative: Lower

Actual: 10 ft.

COAL GAS SITE DESCRIPTION:
Site is on the northern side of John St. between Hudson Ave. and Gold St. Site continues north to the East River. (C12)

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113 SSW 1/2-1 5104 ft.	FULTON MUNICIPAL GAS CO. 263 NEVINS ST. BROOKLYN, NY 11217	Coal Gas	G000000435 N/A

Relative: Lower

Actual: 8 ft.

COAL GAS SITE DESCRIPTION:
Site is on the western half of two blocks on Nevins St. between Douglass St. and Sackett St. Site includes the block between Sackett St. and Degraw St. west of Nevins St., ending at the Gowanus Canal. Site later called Brooklyn Union Gas Co. (C13) Site is a CERCLIS Site I.D. #NYD980531982. CERCLIS address is poor.

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City	EDR ID	Site Name	Site Address	Zip	Database(s)
BROOKLYN	S103484621	ON THE BQE E/B	BTWN FLUSHING/TILLARY ST		NY Spills
BROOKLYN	1000323245	EMANUEL CELLLARD FEDERAL BUILDING	225 CADMAN PLZ	11201	RCRA-SQG, FINDS, CERC-NFRAP
BROOKLYN	S104787288	4TH AVE	CAROL ST		NY Spills
BROOKLYN	S106123970	INTERSECTION OF SHORE RD	CONEY ISLAND AVE BRIDGE		LTANKS
BROOKLYN	S104510171	BETWEEN AVE S & FIRST CT	COONEY ISLAND AV		NY Spills
BROOKLYN	1004762551	NYCT - DEKALB AVE STATION D LINE	COR OF DEKALB AVE &	11201	RCRA-SQG, FINDS
BROOKLYN	S104192448	MANHOLE 4707	SW COR PARK/RALPH AVE		NY Spills
BROOKLYN	S103939048	MANHOLE #580	NE COR PARK AVE/N ELIOTT		NY Spills
BROOKLYN	1007205503	BELL ATLANTIC-NY	DUFFIELD ST/FULTON ST		RCRA-SQG
BROOKLYN	S105140941	EUCLID AVE AND	DUMONT STREET		NY Spills
BROOKLYN	1007205158	NEW YORK TELEPHONE	FLATBUSH & 36	11201	RCRA-SQG
BROOKLYN	1007205247	NYNEX-MANHOLE	FLATBUSH & NEWKIRK AVE		RCRA-SQG
BROOKLYN	1004762203	NYCTA-FULTON ST. / BRIDGE ST. STOR	FULTON & BRIDGE ST CORNER	11201	FINDS, RCRA-LQG
BROOKLYN	S102143030	GERRITSON & AVE U/TEXACO	GERRITSON / AVE U/TEXACO		NY Spills
BROOKLYN	1007206707	CON ED - MH 691	E/S GOLD ST 250' S/O YORK ST	11201	RCRA-SQG
BROOKLYN	S106017383	BETWEEN PLYMOUTH & HUDSON	ON GOLD ST		NY Spills
BROOKLYN	S103574828	NASSAU ST	GOLD ST		NY Spills
BROOKLYN	1007205229	NYNEX-MANHOLE	JOHNSON & BUSHWICK AVES	11201	RCRA-SQG
BROOKLYN	S104880717	MANHOLE #1947	JOHNSON DRIVE/NAVY ST		NY Spills
BROOKLYN	S105586296	BROOKLYN NAVY YARD - 13 ACRE PARCE	KENT AVENUE	11205	SHWS
BROOKLYN	1007206483	CON ED-MH 1971	S/S MYRTLE AVE	11205	RCRA-SQG
BROOKLYN	S106435373	MODE/MODERN AGE CLEANERS INC.	409 MYRTLE AVAENUE	11205	DRYCLEANERS
BROOKLYN	1007206161	CON ED - MH 1950	N/S MYRTLE AVE 180' W/O	11201	RCRA-SQG
BROOKLYN	S104952819	MANHOLE 02117	MYRTLE AV/SKILLAMN ST		NY Spills
BROOKLYN	S105056976	MANHOLE 1930	MYRTLE AVE/FLAT BUSH EXT		NY Spills
BROOKLYN	S102560407	4 CHASE METROTEK CENTER	MYRTLE/GOLD STS		NY Spills
BROOKLYN	S104652603	PLUM BEACH/JAMACIA BAY	NAP ST/FLATBUSH		NY Spills
BROOKLYN	1007205257	CON ED - MH 60360	W/S NAVY ST 68 N/O SANDS ST	11205	RCRA-SQG
BROOKLYN	1007206297	CON ED - MH 60385	E/S NAVY ST	11205	RCRA-SQG
BROOKLYN	1001224574	NYSDOT REGION 2 BROOKLYN QUEENS EX	NAVY ST AT BROOKLYN QUEENS EXP	11201	RCRA-SQG, FINDS
BROOKLYN	1007206087	CON ED-MH 1947	NAVY ST & JOHNSON	11201	RCRA-SQG
BROOKLYN	1007206529	CON ED - NAVY ST & WILLOUGHBY ST	NAVY ST & WILLOUGHBY ST	11201	RCRA-SQG
BROOKLYN	S102147197	NAVY YARD - DECK #4	NAVY YARD - DECK #4		NY Spills
BROOKLYN	S106007405	MANHOLE #723	NAVY ST / SAND ST		NY Spills
NEW YORK CITY	1007207361	MH1952	S/S MYRTLE AVE. 210' W/O ASHLA	11201	RCRA-SQG
NEW YORK CITY	1007207464	MH1957	MYRTLE AVE E/O ASHLAND PL.	11201	RCRA-SQG
NEW YORK CITY	1007207124	M639	N/W/C SANDS STREET AND NAVY ST	11205	RCRA-SQG
NEW YORK CITY	1007207416	MH639	NAVY ST. AND SANDS	11205	RCRA-SQG
NEW YORK CITY	1007207095	MH60182	N/S PARK AVENUE 32' E/O NAVY S	11205	RCRA-SQG
NEW YORK CITY	1007207267	M801	S/S PARK AVENUE 45' W/O TAFFEE	11205	RCRA-SQG
NEW YORK CITY	1007207143	MH60507	S/E/C CONCORD STREET AND GOLD	11205	RCRA-SQG
NEW YORK CITY	1007207320	TM2470	YORK ST. AND HUDSON AVE	11205	RCRA-SQG

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
D005	BARIUM
D006	CADMIUM
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D019	CARBON TETRACHLORIDE
D022	CHLOROFORM
LABP	LAB PACK
P098	POTASSIUM CYANIDE
P098	POTASSIUM CYANIDE K(CN)
P105	SODIUM AZIDE
P108	STRYCHNIDIN-10-ONE, & SALTS
P108	STRYCHNINE, & SALTS
U103	DIMETHYL SULFATE
U103	SULFURIC ACID, DIMETHYL ESTER

EPA Waste Codes Addendum

Code	Description
U122	FORMALDEHYDE
U188	PHENOL

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

NPL: National Priority List
Source: EPA
Telephone: N/A
National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/12/04
Date Made Active at EDR: 12/09/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/02/04
Elapsed ASTM days: 37
Date of Last EDR Contact: 11/02/04

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 3
Telephone 215-814-5418

EPA Region 4
Telephone 404-562-8033

EPA Region 6
Telephone: 214-655-6659

EPA Region 8
Telephone: 303-312-6774

Proposed NPL: Proposed National Priority List Sites
Source: EPA
Telephone: N/A

Date of Government Version: 09/23/04
Date Made Active at EDR: 12/09/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/02/04
Elapsed ASTM days: 37
Date of Last EDR Contact: 11/02/04

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 08/10/04
Date Made Active at EDR: 10/27/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/21/04
Elapsed ASTM days: 36
Date of Last EDR Contact: 09/21/04

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 08/10/04
Date Made Active at EDR: 10/27/04
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/21/04
Elapsed ASTM days: 36
Date of Last EDR Contact: 09/21/04

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 09/23/04
Date Made Active at EDR: 11/18/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 10/07/04
Elapsed ASTM days: 42
Date of Last EDR Contact: 12/07/04

RCRA: Resource Conservation and Recovery Act Information
Source: EPA
Telephone: 800-424-9346
RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs): generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs): generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs): generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 08/10/04
Date Made Active at EDR: 10/11/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 08/24/04
Elapsed ASTM days: 48
Date of Last EDR Contact: 11/24/04

ERNS: Emergency Response Notification System
Source: National Response Center, United States Coast Guard
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 01/26/04
Elapsed ASTM days: 46
Date of Last EDR Contact: 10/25/04

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 09/20/04
Date of Next Scheduled EDR Contact: 12/13/04

CONSENT: Superfund (CERCLA) Consent Decrees
Source: Department of Justice, Consent Decree Library
Telephone: Varies
Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 03/05/04
Database Release Frequency: Varies

Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

ROD: Records Of Decision
Source: EPA
Telephone: 703-416-0223
Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 09/09/04
Database Release Frequency: Annually

Date of Last EDR Contact: 10/06/04
Date of Next Scheduled EDR Contact: 01/03/05

DELISTED NPL: National Priority List Deletions
Source: EPA
Telephone: N/A
The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/12/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/02/04
Date of Next Scheduled EDR Contact: 01/31/05

FINDS: Facility Index System/Facility Identification Initiative Program Summary Report
Source: EPA
Telephone: N/A
Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 09/09/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/08/04
Date of Next Scheduled EDR Contact: 01/03/05

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/08/04
Database Release Frequency: Annually

Date of Last EDR Contact: 10/28/04
Date of Next Scheduled EDR Contact: 01/17/05

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 07/15/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/04/04
Date of Next Scheduled EDR Contact: 01/03/05

MINES: Mines Master Index File
Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959

Date of Government Version: 09/13/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/28/04
Date of Next Scheduled EDR Contact: 12/27/04

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 202-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 11/22/04
Date of Next Scheduled EDR Contact: 02/21/05

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-564-3887
PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/29/04
Database Release Frequency: Annually
Date of Last EDR Contact: 11/12/04
Date of Next Scheduled EDR Contact: 02/07/05

DOD: Department of Defense Sites
Source: USGS
Telephone: 703-692-8801
This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 11/12/04
Date of Next Scheduled EDR Contact: 02/07/05

UMTRA: Uranium Mill Tailings Sites
Source: Department of Energy
Telephone: 505-845-0011
Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized. In 1978, 24 inactive uranium mill tailings sites in Oregon, Idaho, Wyoming, Utah, Colorado, New Mexico, Texas, North Dakota, South Dakota, Pennsylvania, and on Navajo and Hopi tribal lands, were targeted for cleanup by the Department of Energy.

Date of Government Version: 04/22/04
Database Release Frequency: Varies
Date of Last EDR Contact: 09/20/04
Date of Next Scheduled EDR Contact: 12/20/04

ODI: Open Dump Inventory
Source: Environmental Protection Agency
Telephone: 800-424-9346
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/85
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 05/23/95
Date of Next Scheduled EDR Contact: N/A

FUDS: Formerly Used Defense Sites
Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/03
Database Release Frequency: Varies
Date of Last EDR Contact: 10/04/04
Date of Next Scheduled EDR Contact: 01/03/05

INDIAN RESERV: Indian Reservations
Source: USGS
Telephone: 202-208-3710
This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 10/01/03
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/12/04
Date of Next Scheduled EDR Contact: 02/07/05

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/06/04
Date of Next Scheduled EDR Contact: 03/07/05

TRIS: Toxic Chemical Release Inventory System
Source: EPA
Telephone: 202-566-0250
Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 09/20/04
Date of Next Scheduled EDR Contact: 12/20/04

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-5521
Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/02
Database Release Frequency: Every 4 Years

Date of Last EDR Contact: 12/06/04
Date of Next Scheduled EDR Contact: 03/07/05

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA
Telephone: 202-564-2501

Date of Government Version: 04/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/20/04

SSTS: Section 7 Tracking Systems
Source: EPA
Telephone: 202-564-5008
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/01
Database Release Frequency: Annually

Date of Last EDR Contact: 10/18/04
Date of Next Scheduled EDR Contact: 01/17/05

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-564-2501
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 09/13/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 09/07/04
Date of Next Scheduled EDR Contact: 12/20/04

STATE OF NEW YORK ASTM STANDARD RECORDS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State
Source: Department of Environmental Conservation
Telephone: 518-402-9553
State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 04/01/03
Date Made Active at EDR: 03/12/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 02/27/04
Elapsed ASTM days: 14
Date of Last EDR Contact: 11/23/04

SWF/LF: Facility Register
Source: Department of Environmental Conservation
Telephone: 518-457-2051
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/01/04
Date Made Active at EDR: 11/29/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/01/04
Elapsed ASTM days: 28
Date of Last EDR Contact: 11/01/04

LTANKS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 07/26/04
Date Made Active at EDR: 08/26/04
Database Release Frequency: Varies

Date of Data Arrival at EDR: 08/04/04
Elapsed ASTM days: 22
Date of Last EDR Contact: 10/25/04

UST: Petroleum Bulk Storage (PBS) Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 01/01/02
Date Made Active at EDR: 03/22/02
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/20/02
Elapsed ASTM days: 30
Date of Last EDR Contact: 10/25/04

CBS UST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/02
Date Made Active at EDR: 03/22/02
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/20/02
Elapsed ASTM days: 30
Date of Last EDR Contact: 10/25/04

MOSF UST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/02
Date Made Active at EDR: 03/22/02
Database Release Frequency: Varies

Date of Data Arrival at EDR: 02/20/02
Elapsed ASTM days: 30
Date of Last EDR Contact: 10/25/04

VCP: Voluntary Cleanup Agreements
Source: Department of Environmental Conservation
Telephone: 518-402-9711
The voluntary remedial program uses private monies to get contaminated sites r emediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

Date of Government Version: 06/29/04
Date Made Active at EDR: 08/16/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 06/29/04
Elapsed ASTM days: 48
Date of Last EDR Contact: 09/27/04

SWRCY: Registered Recycling Facility List
Source: Department of Environmental Conservation
Telephone: 518-402-8705
A listing of recycling facilities.

Date of Government Version: 11/15/04
Date Made Active at EDR: 12/15/04
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/15/04
Elapsed ASTM days: 30
Date of Last EDR Contact: 11/15/04

SWTIRE: Registered Waste Tire Storage & Facility List
Source: Department of Environmental Conservation
Telephone: 518-402-8694

Date of Government Version: 04/01/04
Date Made Active at EDR: 06/25/04
Database Release Frequency: Annually

Date of Data Arrival at EDR: 05/19/04
Elapsed ASTM days: 37
Date of Last EDR Contact: 11/18/04

STATE OF NEW YORK ASTM SUPPLEMENTAL RECORDS

HSWDS: Hazardous Substance Waste Disposal Site Inventory
Source: Department of Environmental Conservation
Telephone: 518-402-9564
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 09/01/02
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/29/04
Date of Next Scheduled EDR Contact: 02/28/05

AST: Petroleum Bulk Storage
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Registered Aboveground Storage Tanks.

Date of Government Version: 01/01/02
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

CBS AST: Chemical Bulk Storage Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/02
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

MOSF AST: Major Oil Storage Facilities Database
Source: NYSDEC
Telephone: 518-402-9549
Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/02
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

SPILLS: Spills Information Database
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 07/26/04
Database Release Frequency: Varies

Date of Last EDR Contact: 10/25/04
Date of Next Scheduled EDR Contact: 01/24/05

DEL SHWS: Delisted Registry Sites
Source: Department of Environmental Conservation
Telephone: 518-402-9553
A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 04/01/04
Database Release Frequency: Annually

Date of Last EDR Contact: 11/23/04
Date of Next Scheduled EDR Contact: 02/21/05

DRYCLEANERS: Registered Drycleaners
Source: Department of Environmental Conservation
Telephone: 518-402-8403
A listing of all registered drycleaning facilities.

Date of Government Version: 06/15/04
Database Release Frequency: Varies

Date of Last EDR Contact: 05/21/04
Date of Next Scheduled EDR Contact: N/A

SPDES: State Pollutant Discharge Elimination System
Source: Department of Environmental Conservation
Telephone: 518-402-8233
New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 09/23/04
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/10/04
Date of Next Scheduled EDR Contact: 02/07/05

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AIRS: Air Emissions Data
Source: Department of Environmental Conservation
Telephone: 518-402-8452

Date of Government Version: 12/31/02
Database Release Frequency: Annually

Date of Last EDR Contact: 12/06/04
Date of Next Scheduled EDR Contact: 02/21/05

LOCAL RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing
Source: Cortland County Health Department
Telephone: 607-753-5035

Date of Government Version: 10/07/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/29/04
Date of Next Scheduled EDR Contact: 02/28/05

Cortland County Storage Tank Listing
Source: Cortland County Health Department
Telephone: 607-753-5035

Date of Government Version: 10/07/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 11/29/04
Date of Next Scheduled EDR Contact: 02/28/05

NASSAU COUNTY:

Registered Tank Database
Source: Nassau County Health Department
Telephone: 516-571-3314

Date of Government Version: 05/21/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/01/04
Date of Next Scheduled EDR Contact: 01/31/05

Registered Tank Database
Source: Nassau County Health Department
Telephone: 516-571-3314

Date of Government Version: 05/21/03
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/01/04
Date of Next Scheduled EDR Contact: 01/31/05

Storage Tank Database
Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000

Date of Government Version: 05/25/04
Database Release Frequency: Varies

Date of Last EDR Contact: 11/08/04
Date of Next Scheduled EDR Contact: 02/07/05

Storage Tank Database
Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000

Date of Government Version: 05/25/04
Database Release Frequency: Varies

Date of Last EDR Contact: 11/08/04
Date of Next Scheduled EDR Contact: 02/07/05

ROCKLAND COUNTY:

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Petroleum Bulk Storage Database
Source: Rockland County Health Department
Telephone: 914-364-2605

Date of Government Version: 10/27/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/04/04
Date of Next Scheduled EDR Contact: 01/03/05

Petroleum Bulk Storage Database
Source: Rockland County Health Department
Telephone: 914-364-2605

Date of Government Version: 10/27/04
Database Release Frequency: Quarterly

Date of Last EDR Contact: 10/04/04
Date of Next Scheduled EDR Contact: 01/03/05

SUFFOLK COUNTY:

Storage Tank Database
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521

Date of Government Version: 04/16/04
Database Release Frequency: Annually

Date of Last EDR Contact: 11/29/04
Date of Next Scheduled EDR Contact: 02/28/05

Storage Tank Database
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521

Date of Government Version: 04/16/04
Database Release Frequency: Annually

Date of Last EDR Contact: 11/29/04
Date of Next Scheduled EDR Contact: 02/28/05

WESTCHESTER COUNTY:

Listing of Storage Tanks
Source: Westchester County Department of Health
Telephone: 914-813-5161
Listing of underground storage tanks in Westchester County.

Date of Government Version: 08/16/04
Database Release Frequency: Varies

Date of Last EDR Contact: 10/13/04
Date of Next Scheduled EDR Contact: 02/28/05

Listing of Storage Tanks
Source: Westchester County Department of Health
Telephone: 914-813-5161
Listing of aboveground storage tanks in Westchester County.

Date of Government Version: 08/16/04
Database Release Frequency: Varies

Date of Last EDR Contact: 10/13/04
Date of Next Scheduled EDR Contact: 02/28/05

EDR PROPRIETARY HISTORICAL DATABASES

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

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GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

BROWNFIELDS DATABASES

Brownfields: Brownfields Site List
Source: Department of Environmental Conservation
Telephone: 518-402-9764

Date of Government Version: 06/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/27/04
Date of Next Scheduled EDR Contact: 12/13/04

VCP: Voluntary Cleanup Agreements
Source: Department of Environmental Conservation
Telephone: 518-402-9711
The voluntary remedial program uses private monies to get contaminated sites remediated to levels allowing for the sites' productive use. The program covers virtually any kind of site and contamination.

Date of Government Version: 06/29/04
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 09/27/04
Date of Next Scheduled EDR Contact: 12/13/04

US BROWNFIELDS: A Listing of Brownfields Sites
Source: Environmental Protection Agency
Telephone: 202-566-2777
Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: N/A
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: N/A
Date of Next Scheduled EDR Contact: N/A

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: PennWell Corporation
Telephone: (800) 823-6277
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

New York State Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961
Coverages are based on official New York State Freshwater Wetlands Maps as described in Article 24-0301 of the Environmental Conservation Law.

STREET AND ADDRESS INFORMATION

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GEOCHECK®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

180 MYRTLE AVE
180 MYRTLE AVE
BROOKLYN, NY 11201

TARGET PROPERTY COORDINATES

Latitude (North):	40.693581 - 40' 41' 36.9"
Longitude (West):	73.981773 - 73' 58' 54.4"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	586033.1
UTM Y (Meters):	4505029.5
Elevation:	31 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

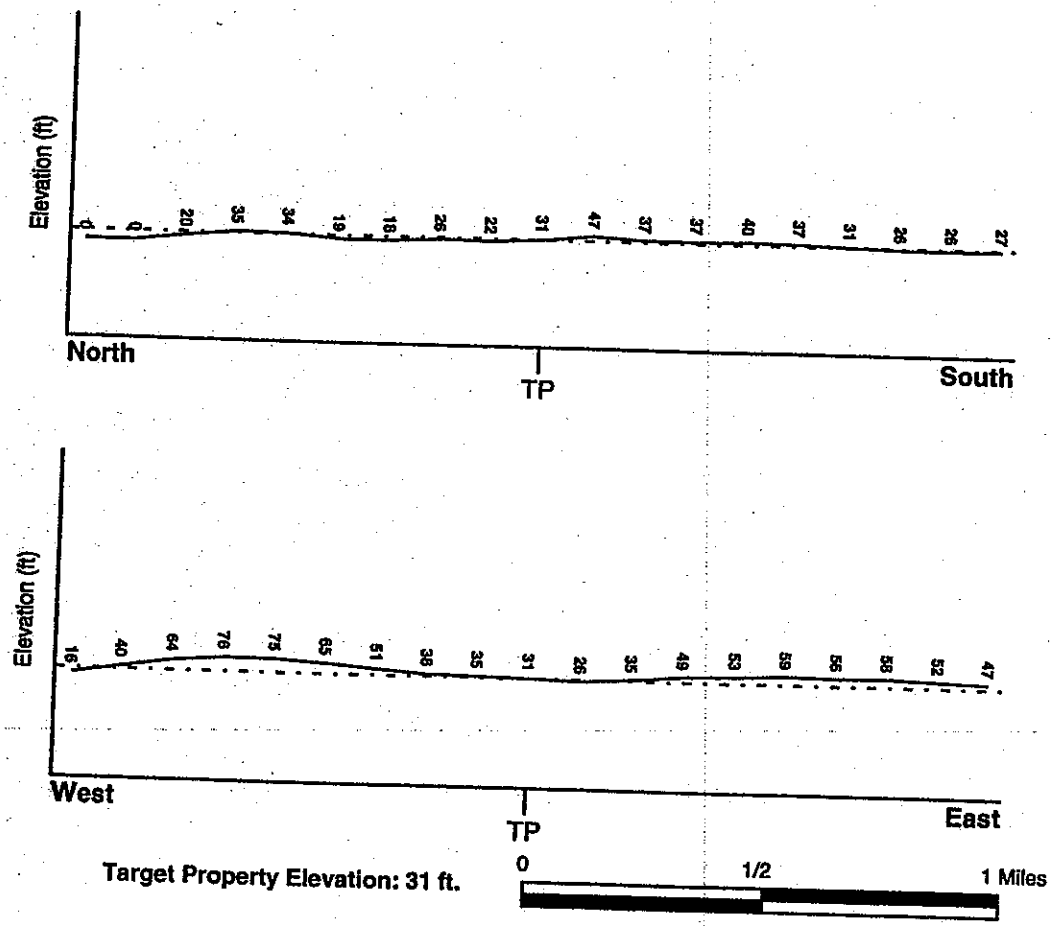
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map:	40073-F8 BROOKLYN, NY
General Topographic Gradient:	General NNE
Source:	USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Target Property Elevation: 31 ft.

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Target Property County	FEMA Flood Electronic Data
KINGS, NY	Not Available

Flood Plain Panel at Target Property:	3604970063B
Additional Panels in search area:	3604970055B

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BROOKLYN	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Location Relative to TP:	1/2 - 1 Mile ENE
Site Name:	Naval Station Ny
Site EPA ID Number:	NY5170022250
Groundwater Flow Direction:	NOT AVAILABLE.
Measured Depth to Water:	14 feet in a well located 1 mile southeast of the site.
Hydraulic Connection:	Information is not available about the hydraulic connection between the surficial aquifer (upper glacial till) and underlying aquifer(s). Bedrock is present at an estimated depth of 100 feet.
Sole Source Aquifer:	A sole source aquifer is persent at or near the site
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

*©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era:	Mesozoic
System:	Cretaceous
Series:	Upper Cretaceous
Code:	uK *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

Soil Layer Information

	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures:	loamy sand silt loam sandy loam fine sandy loam
Surficial Soil Types:	loamy sand silt loam sandy loam fine sandy loam
Shallow Soil Types:	sandy loam
Deeper Soil Types:	very gravelly - loamy sand unweathered bedrock stratified sandy loam

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS0761186	0 - 1/8 Mile West
2	USGS0761196	1/8 - 1/4 Mile NNE
A3	USGS0761118	1/8 - 1/4 Mile SSW
4	USGS0761184	1/8 - 1/4 Mile East
A5	USGS0761116	1/8 - 1/4 Mile South

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
6	USGS0761194	1/8 - 1/4 Mile NW
7	USGS0761180	1/4 - 1/2 Mile ESE
B8	USGS0761113	1/4 - 1/2 Mile South
B9	USGS0761112	1/4 - 1/2 Mile South
10	USGS0761185	1/4 - 1/2 Mile West
C11	USGS0761111	1/4 - 1/2 Mile South
12	USGS0761219	1/4 - 1/2 Mile NW
C13	USGS0761110	1/4 - 1/2 Mile South
14	USGS0761179	1/4 - 1/2 Mile SW
15	USGS0761122	1/4 - 1/2 Mile WNW
B16	USGS0761178	1/4 - 1/2 Mile South
17	USGS0761177	1/4 - 1/2 Mile SSE
18	USGS0761176	1/4 - 1/2 Mile South
19	USGS0761193	1/4 - 1/2 Mile ENE
20	USGS0761224	1/4 - 1/2 Mile NNW
22	USGS0761188	1/4 - 1/2 Mile East
23	USGS0761173	1/2 - 1 Mile SSE
24	USGS0761171	1/2 - 1 Mile South
25	USGS0761233	1/2 - 1 Mile NNW
D26	USGS0761170	1/2 - 1 Mile SSW
D27	USGS0761169	1/2 - 1 Mile SSW
28	USGS0761108	1/2 - 1 Mile SSE
29	USGS0761238	1/2 - 1 Mile NNW
30	USGS0761221	1/2 - 1 Mile WNW
31	USGS0761183	1/2 - 1 Mile East
E32	USGS0761107	1/2 - 1 Mile SSW
33	USGS0761220	1/2 - 1 Mile ENE
F34	USGS0761121	1/2 - 1 Mile East
E35	USGS0761105	1/2 - 1 Mile SSW
F36	USGS0761189	1/2 - 1 Mile ENE
F37	USGS0761129	1/2 - 1 Mile ENE
38	USGS0761222	1/2 - 1 Mile WNW
G39	USGS0761192	1/2 - 1 Mile ENE
H40	USGS0761165	1/2 - 1 Mile SSE
G41	USGS0761125	1/2 - 1 Mile ENE
42	USGS0761166	1/2 - 1 Mile South
43	USGS0761117	1/2 - 1 Mile WSW
44	USGS0761307	1/2 - 1 Mile NNW
G45	USGS0761191	1/2 - 1 Mile ENE
G46	USGS0761218	1/2 - 1 Mile ENE
G47	USGS0761195	1/2 - 1 Mile ENE
H48	USGS0761161	1/2 - 1 Mile SSE
49	USGS0761104	1/2 - 1 Mile SW
50	USGS0761308	1/2 - 1 Mile NNW
I51	USGS0761123	1/2 - 1 Mile East
I52	USGS0761124	1/2 - 1 Mile East
I53	USGS0761128	1/2 - 1 Mile ENE
54	USGS0761244	1/2 - 1 Mile NW
55	USGS0761099	1/2 - 1 Mile SSE
56	USGS0761306	1/2 - 1 Mile NE
57	USGS0761101	1/2 - 1 Mile SW

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
21	NY0003335	1/4 - 1/2 Mile WNW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 01327082.1r

0 1/4 1/2 1 Miles

- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- (GI) Indeterminate Groundwater Flow at Location
- (GV) Groundwater Flow Varies at Location
- (HD) Closest Hydrogeological Data

TARGET PROPERTY:	180 Myrtle Ave	CUSTOMER:	American Env. Solutions
ADDRESS:	180 Myrtle Ave	CONTACT:	Brian Pendergast
CITY/STATE/ZIP:	Brooklyn NY 11201	INQUIRY #:	01327082.1r
LAT/LONG:	40.6936 / 73.9818	DATE:	December 15, 2004 3:19 pm

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GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 West 0 - 1/8 Mile Higher		FED USGS	USGS0761186

Agency:	USGS	Site ID:	404136073590201
Site Name:	K 730. 1		
Dec. Latitude:	40.69344		
Dec. Longitude:	-73.98347		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	36.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	134.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

2 NNE 1/8 - 1/4 Mile Lower		FED USGS	USGS0761196

Agency:	USGS	Site ID:	404148073585201
Site Name:	K 15. 1		
Dec. Latitude:	40.69677		
Dec. Longitude:	-73.98069		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	15.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	114.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

A3 SSW 1/8 - 1/4 Mile Higher		FED USGS	USGS0761118

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Agency:	USGS	Site ID:	404125073590001
Site Name:	K 1347. 1		
Dec. Latitude:	40.69038		
Dec. Longitude:	-73.98292		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	40.3		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112GLCLU		
Aquifer type:	Not Reported		
Well depth:	71.		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 344

Date	Feet below Surface	Feet to Sealevel
1977-03-28		3.51
1976-06-28		3.03
1975-12-16		4.05
1975-06-30		3.84
1974-12-20		3.50
1974-06-26		2.38
1974-01-09		3.85
1973-07-09		2.88
1972-12-27		2.51
1972-07-10		2.70
1972-01-13		2.98
1971-08-08		2.83
1970-03-13		-2.83
1969-09-03		0.95
1968-04-23		-0.94
1967-03-29		1.05
1966-05-04		0.33
1965-09-14		-1.10
1964-10-30		-0.90
1963-04-26		-0.01
1961-12-28		-0.65
1960-09-15		-3.32
1956-12-20		-2.98
1954-10-27		-4.43
1954-05-27		-4.97
1954-03-30		-4.04
1954-01-28		-4.49
1953-12-02		-4.99
1953-10-02		-7.22
1953-08-03		-5.21
1953-05-25		-6.04
1953-03-25		-5.25
1953-02-11		-6.17
1952-12-05		-7.56
1952-09-22		-10.32
1952-07-23		-10.82
1976-10-05		3.32
1976-03-23		4.40
1975-10-07		3.47
1975-03-26		3.54
1974-09-05		2.74
1974-03-19		4.70
1973-09-25		2.08
1973-04-03		2.72
1972-09-29		2.02
1972-03-28		3.30
1971-09-27		2.76
1970-10-30		-2.06
1969-11-10		1.19
1969-04-22		1.74
1967-10-20		0.80
1966-10-25		0.11
1965-10-27		-0.48
1965-05-04		0.87
1964-04-23		-0.46
1962-04-26		0.83
1961-01-05		-0.38
1959-03-16		-1.20
1956-02-13		-3.28
1954-06-29		-6.16
1954-04-28		-4.27
1954-02-25		-4.11
1953-12-23		-4.83
1953-10-28		-5.71
1953-08-28		-4.81
1953-06-24		-6.16
1953-04-27		-4.73
1953-02-27		-5.78
1952-12-23		-7.17
1952-11-03		-8.40
1952-08-25		-10.77
1952-06-24		-10.67

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1952-05-27		-10.26
1952-03-24		-11.81
1952-01-29		-12.93
1951-11-28		-13.76
1951-09-27		-16.72
1951-07-26		-16.27
1951-05-29		-15.55
1951-03-27		-15.39
1951-01-30		-16.70
1950-11-28		-16.71
1950-09-27		-18.17
1950-07-27		-18.82
1950-06-05		-16.10
1950-03-29		-16.41
1950-01-26		-17.23
1949-11-28		-17.07
1949-09-28		-18.49
1949-07-28		-19.52
1949-06-01		-17.62
1949-04-04		-17.58
1949-01-26		-18.78
1948-12-14		-19.15
1948-10-04		-20.82
1948-07-26		-20.91
1948-06-02		-20.66
1948-03-26		-21.12
1948-02-03		-21.77
1947-12-16		-21.85
1947-11-19		-21.93
1947-10-14		-22.21
1947-09-30		-23.25
1947-08-27		-23.62
1947-07-30		-23.73
1947-07-16		-23.68
1947-07-02		-22.50
1947-06-30		-21.43
1947-06-20		-21.95
1947-06-06		-21.54
1947-05-23		-21.11
1947-05-10		-21.32
1947-04-26		-21.21
1947-04-12		-21.41
1947-03-29		-21.57
1947-03-15		-21.67
1947-03-01		-21.78
1947-02-15		-21.85
1947-02-01		-21.91
1947-01-18		-21.94
1947-01-04		-22.03
1946-12-21		-21.93
1946-12-07		-21.73
1946-11-23		-21.86
1946-11-09		-21.97
1946-10-26		-22.13
1946-10-12		-22.50

Date	Feet below Surface	Feet to Sealevel
1952-04-29		-10.64
1952-02-20		-12.57
1951-12-20		-13.71
1951-11-02		-14.24
1951-08-28		-17.51
1951-06-28		-16.09
1951-05-02		-14.47
1951-02-27		-16.08
1950-12-20		-17.07
1950-10-31		-17.18
1950-08-29		-19.58
1950-06-29		-17.48
1950-04-27		-15.42
1950-03-01		-16.92
1949-12-28		-17.27
1949-10-31		-17.65
1949-08-31		-19.80
1949-07-01		-17.80
1949-04-28		-16.76
1949-02-21		-18.35
1948-12-28		-19.12
1948-11-04		-19.58
1948-08-30		-22.10
1948-06-30		-21.66
1948-04-27		-20.64
1948-03-02		-21.45
1948-01-07		-21.93
1947-11-26		-21.97
1947-10-31		-22.00
1947-10-07		-22.35
1947-09-15		-23.13
1947-08-13		-23.62
1947-07-23		-23.26
1947-07-07		-22.48
1947-07-01		-23.24
1947-06-24		-22.02
1947-06-13		-22.27
1947-05-29		-22.27
1947-05-17		-21.21
1947-05-03		-21.23
1947-04-19		-21.27
1947-04-05		-21.59
1947-03-22		-21.63
1947-03-08		-21.70
1947-02-22		-21.62
1947-02-08		-21.86
1947-01-25		-21.95
1947-01-11		-21.97
1946-12-28		-21.98
1946-12-14		-21.80
1946-11-30		-21.78
1946-11-16		-21.93
1946-11-02		-22.10
1946-10-19		-22.35
1946-10-05		-22.80

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1946-09-30		-23.25
1946-09-16		-23.05
1946-08-19		-21.61
1946-07-08		-23.26
1946-05-27		-21.97
1946-05-13		-20.68
1946-04-29		-20.56
1946-04-15		-20.45
1946-04-01		-20.38
1946-03-18		-19.58
1946-03-04		-20.80
1946-02-18		-20.98
1946-02-04		-21.23
1946-01-21		-21.43
1946-01-07		-21.72
1945-12-24		-21.92
1945-12-10		-22.04
1945-11-26		-22.30
1945-11-12		-22.40
1945-10-29		-22.53
1945-10-15		-22.92
1945-10-01		-23.37
1945-09-17		-23.54
1945-09-04		-23.99
1945-08-20		-23.77
1945-08-06		-23.40
1945-07-23		-23.03
1945-07-07		-22.41
1945-06-23		-21.92
1945-06-09		-20.67
1945-05-26		-20.31
1945-05-12		-20.47
1945-04-28		-20.29
1945-04-14		-20.27
1945-03-31		-20.28
1945-03-17		-20.41
1945-03-03		-20.53
1945-02-19		-20.65
1945-02-03		-20.83
1945-01-20		-21.05
1945-01-06		-21.31
1944-12-23		-21.53
1944-12-09		-21.72
1944-11-25		-21.85
1944-11-11		-22.00
1944-10-28		-22.20
1944-10-14		-22.19
1944-09-30		-22.43
1944-09-16		-23.51
1944-09-02		-23.55
1944-08-19		-23.36
1944-08-05		-23.07
1944-07-22		-23.10
1944-07-01		-22.18
1944-06-17		-21.84

Date	Feet below Surface	Feet to Sealevel
1946-09-23		-23.95
1946-08-30		-23.18
1946-07-30		-21.70
1946-06-10		-21.53
1946-05-20		-20.47
1946-05-06		-20.56
1946-04-22		-20.45
1946-04-08		-20.33
1946-03-25		-20.51
1946-03-11		-20.75
1946-02-25		-20.87
1946-02-11		-21.12
1946-01-28		-21.33
1946-01-14		-21.58
1945-12-31		-21.80
1945-12-17		-22.02
1945-12-03		-22.16
1945-11-19		-22.37
1945-11-05		-22.43
1945-10-22		-22.60
1945-10-08		-23.01
1945-09-24		-23.09
1945-09-10		-24.16
1945-08-27		-23.42
1945-08-13		-23.91
1945-07-30		-22.87
1945-07-16		-23.03
1945-06-30		-22.10
1945-06-16		-21.97
1945-06-02		-20.49
1945-05-19		-20.31
1945-05-05		-20.40
1945-04-21		-20.19
1945-04-07		-20.37
1945-03-24		-20.37
1945-03-10		-20.46
1945-02-24		-20.60
1945-02-10		-20.73
1945-01-27		-20.87
1945-01-13		-21.20
1944-12-30		-21.41
1944-12-16		-21.59
1944-12-02		-21.80
1944-11-18		-21.96
1944-11-04		-22.02
1944-10-21		-22.14
1944-10-07		-22.24
1944-09-23		-23.36
1944-09-09		-23.72
1944-08-26		-23.63
1944-08-12		-23.18
1944-07-29		-23.13
1944-07-15		-23.04
1944-06-24		-22.26
1944-06-10		-20.44

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1944-06-03		-20.83
1944-05-13		-20.08
1944-03-30		-20.46
1944-03-11		-20.55
1944-02-26		-20.63
1944-02-05		-20.90
1944-01-08		-21.19
1943-12-18		-21.51
1943-12-04		-21.53
1943-11-20		-21.73
1943-09-25		-22.41
1943-09-11		-23.37
1943-08-28		-22.93
1943-08-14		-22.93
1943-07-31		-23.43
1943-07-17		-22.90
1943-07-03		-22.61
1943-06-19		-22.44
1943-06-05		-21.50
1943-05-22		-20.69
1943-05-08		-20.09
1943-04-24		-19.92
1943-04-10		-20.02
1943-03-27		-20.18
1943-02-20		-20.64
1942-12-22		-21.21
1944-05-27		-20.07
1944-05-05		-20.33
1944-03-18		-20.54
1944-03-04		-20.67
1944-02-12		-20.79
1944-01-29		-20.92
1944-01-01		-21.33
1943-12-11		-21.65
1943-11-27		-21.67
1943-10-30		-21.96
1943-09-18		-22.81
1943-09-04		-23.29
1943-08-21		-22.92
1943-08-07		-23.09
1943-07-23		-23.23
1943-07-09		-22.37
1943-06-26		-22.09
1943-06-12		-20.81
1943-05-29		-20.42
1943-05-15		-20.30
1943-05-01		-20.16
1943-04-17		-19.98
1943-04-03		-20.07
1943-03-20		-20.38
1943-01-22		-21.02
1942-10-15		-21.92

4
East
1/8 - 1/4 Mile
Higher

FED USGS **USGS0761184**

Agency:	USGS	Site ID:	404135073584001
Site Name:	K 3276. 1		
Dec. Latitude:	40.69316		
Dec. Longitude:	-73.97736		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	38.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112GLCLU		
Aquifer type:	Not Reported		
Well depth:	54.		
Hole depth:	54.	Source:	Not Reported
Project no:	Not Reported		

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 175

Date	Feet below Surface	Feet to Sealevel
2003-06-25		5.83
2003-04-28		5.80
2003-01-28		5.65
2002-11-26		5.35
2002-09-25		4.80
2002-07-22		4.75
2002-05-29		4.93
2002-03-21		5.04
2002-01-28		5.12
2001-11-15		5.34
2001-09-26		5.37
2001-07-24		5.45
2001-05-24		5.70
2001-03-20		5.53
2001-01-17		5.33
2000-11-28		5.22
2000-09-27		5.28
2000-07-27		5.21
2000-05-23		5.26
2000-03-22		5.27
1999-12-13		5.12
1999-10-19		5.27
1999-08-17		4.95
1999-06-24		5.10
1999-04-28		5.52
1999-03-02		5.49
1998-11-24		5.43
1998-09-29		5.48
1998-07-28		5.89
1998-05-20		6.27
1998-03-25		5.93
1997-12-17		5.48
1997-11-05		5.39
1997-07-23		5.47
1997-05-29		5.64
1997-02-28		5.85
1997-01-07		5.95
1996-07-02		5.64
1995-11-28		5.46
1995-05-23		5.53
1995-01-25		5.79
1994-10-18		5.85
1994-08-24		5.78
1994-06-20		5.96
1994-04-26		6.20
1993-12-27		5.46
1993-10-28		5.52
1993-08-18		5.37
1993-06-22		5.78
1993-04-29		6.18
1993-02-24		5.82
1992-12-29		5.38
1992-10-28		5.26
1992-08-25		5.29
1992-06-23		5.37

Date	Feet below Surface	Feet to Sealevel
2003-05-20		5.66
2003-03-17		5.85
2002-12-27		5.62
2002-10-21		5.03
2002-08-30		4.68
2002-06-19		4.80
2002-04-24		4.97
2002-02-27		5.01
2001-12-28		5.18
2001-10-24		5.41
2001-08-29		5.36
2001-06-28		5.56
2001-04-25		5.91
2001-02-22		5.47
2000-12-19		5.31
2000-10-24		5.33
2000-08-24		5.35
2000-06-28		5.30
2000-04-27		5.35
2000-02-29		5.31
1999-11-23		5.31
1999-09-23		5.18
1999-07-20		4.99
1999-05-18		5.33
1999-03-23		5.48
1999-01-27		5.40
1998-10-29		5.37
1998-09-01		5.63
1998-06-10		6.09
1998-04-29		6.01
1998-01-29		5.84
1997-11-26		5.57
1997-09-29		5.46
1997-06-26		5.58
1997-03-18		5.83
1997-01-24		5.79
1996-09-19		5.54
1996-03-13		5.68
1995-09-26		5.16
1995-03-14		5.72
1994-12-13		5.74
1994-09-21		5.77
1994-07-27		5.83
1994-05-17		6.25
1994-03-25		6.11
1993-11-18		5.50
1993-09-15		5.33
1993-07-15		5.62
1993-05-20		6.08
1993-03-23		5.59
1993-01-26		5.44
1992-11-24		5.25
1992-09-16		5.32
1992-07-15		5.30
1992-06-15		5.37

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1992-05-12		5.59
1992-03-18		5.66
1992-01-22		5.72
1991-11-14		5.84
1991-09-24		5.66
1991-04-15		6.13
1991-02-21		5.65
1990-12-10		5.84
1990-10-10		5.96
1990-08-14		5.71
1990-06-20		5.68
1990-04-24		5.87
1990-03-27		5.61
1990-01-24		5.79
1989-11-21		5.89
1989-09-29		5.84
1989-07-25		5.97
1989-05-22		5.48
1989-03-29		5.05
1989-01-17		5.62
1988-11-16		5.01
1988-09-14		5.08
1988-07-22		5.04
1988-06-01		5.73
1985-05-21		5.30
1984-10-04		6.14
1984-03-16		6.33
1983-09-28		6.16
1983-03-25		5.98
1982-10-06		5.78
1982-04-01		5.98
1981-09-23		5.23
1981-04-01		5.98

Date	Feet below Surface	Feet to Sealevel
1992-04-14		5.70
1992-02-19		5.83
1991-12-18		5.81
1991-10-16		5.78
1991-05-15		6.02
1991-03-20		6.01
1991-01-24		5.89
1990-11-13		6.01
1990-09-12		5.91
1990-07-12		5.67
1990-05-25		5.59
1990-04-04		5.67
1990-02-26		6.33
1989-12-28		6.02
1989-10-27		6.00
1989-08-31		5.83
1989-06-22		5.90
1989-04-28		5.23
1989-02-28		5.50
1988-12-09		5.61
1988-10-19		5.16
1988-08-31		5.08
1988-06-17		5.06
1985-10-01		4.30
1984-12-18		6.03
1984-06-28		6.64
1984-01-05		6.71
1983-06-29		5.63
1982-12-21		5.55
1982-06-30		5.82
1981-12-29		5.80
1981-06-29		5.09

A5
South
1/8 - 1/4 Mile
Higher

FED USGS **USGS0761116**

Agency:	USGS		
Site Name:	K 1302. 1	Site ID:	404124073585701
Dec. Latitude:	40.6901		
Dec. Longitude:	-73.98208		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	40.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112GLCLU		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	79.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
6 NW 1/8 - 1/4 Mile Higher		FED USGS	USGS0761194

Agency:	USGS	Site ID:	404147073590601
Site Name:	K 728. 1		
Dec. Latitude:	40.69649		
Dec. Longitude:	-73.98458		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	36.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	132.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

7 ESE 1/4 - 1/2 Mile Higher		FED USGS	USGS0761180

Agency:	USGS	Site ID:	404130073584001
Site Name:	K 661. 1		
Dec. Latitude:	40.69177		
Dec. Longitude:	-73.97736		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	54.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	148.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

B8 South 1/4 - 1/2 Mile Higher		FED USGS	USGS0761113

Agency:	USGS	Site ID:	404120073585901
Site Name:	K 259. 1		
Dec. Latitude:	40.68899		
Dec. Longitude:	-73.98264		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	40.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	86.		
Hole depth:	113.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

B9
South
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761112**

Agency:	USGS	Site ID:	404119073585701
Site Name:	K 320. 1		
Dec. Latitude:	40.68871		
Dec. Longitude:	-73.98208		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	38.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	114.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

10
West
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761185**

Agency:	USGS	Site ID:	404135073591901
Site Name:	K 2044. 1		
Dec. Latitude:	40.69316		
Dec. Longitude:	-73.98819		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	48.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	140.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

C11
South
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761111**

Agency:	USGS	Site ID:	404119073585301
Site Name:	K 660. 1		
Dec. Latitude:	40.68871		
Dec. Longitude:	-73.98097		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	35.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	125.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

12
NW
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761219**

Agency:	USGS	Site ID:	404150073591201
Site Name:	K 12. 1		
Dec. Latitude:	40.69732		
Dec. Longitude:	-73.98625		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	49.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	99.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

C13
South
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761110**

Agency:	USGS	Site ID:	404118073585401
Site Name:	K 277. 1		
Dec. Latitude:	40.68844		
Dec. Longitude:	-73.98125		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	37.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	83.		
Hole depth:	146.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

14
SW
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761179**

Agency:	USGS	Site ID:	404126073591601
Site Name:	K 261. 1		
Dec. Latitude:	40.69066		
Dec. Longitude:	-73.98736		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	35.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	95.		
Hole depth:	95.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

15
WNW
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761122**

Agency:	USGS	Site ID:	404144073591901
Site Name:	K 2172. 1		
Dec. Latitude:	40.69566		
Dec. Longitude:	-73.98819		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	50.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	116.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

B16
South
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761178**

Agency:	USGS	Site ID:	404117073590001
Site Name:	K 290. 1		
Dec. Latitude:	40.68816		
Dec. Longitude:	-73.98292		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	39.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	104.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

17
SSE
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761177**

Agency:	USGS	Site ID:	404117073584801
Site Name:	K 1073. 1		
Dec. Latitude:	40.68816		
Dec. Longitude:	-73.97958		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	32.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	120.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

18
South
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761176**

Agency:	USGS	Site ID:	404115073585601
Site Name:	K 656. 1		
Dec. Latitude:	40.6876		
Dec. Longitude:	-73.98181		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	43.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	159.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

19
ENE
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761193**

Agency:	USGS	Site ID:	404147073583101
Site Name:	K 665. 1		
Dec. Latitude:	40.69649		
Dec. Longitude:	-73.97486		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	12.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	169.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

20
NNW
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761224**

Agency:	USGS	Site ID:	404156073590901
Site Name:	K 709. 1		
Dec. Latitude:	40.69899		
Dec. Longitude:	-73.98542		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	56.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	139.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

21
WNW
1/4 - 1/2 Mile
Higher

FRDS PWS **NY0003335**

PWS ID:	NY0003335	PWS Status:	Active
Date Initiated:	Not Reported	Date Deactivated:	Not Reported
PWS Name:	SPRING GLEN LAKE BLOOMINGBURG, NY 12721		
Addressee / Facility:	System Owner/Responsible Party BUDD HERBERT H & H BUDD EARTH MOVING EX CO MOUNTAINDALE RD. SPRING GLEN, NY 12483		
Facility Latitude:	40 41 42	Facility Longitude:	073 59 24
Facility Latitude:	41 39 03	Facility Longitude:	074 26 30
City Served:	MAMAKATING (T)		
Treatment Class	Not Reported	Population:	Not Reported

PWS currently has or had major violation(s) or enforcement: No

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22
East
1/4 - 1/2 Mile
Higher

FED USGS **USGS0761188**

Agency:	USGS	Site ID:	404141073582601
Site Name:	K 729. 1		
Dec. Latitude:	40.69483		
Dec. Longitude:	-73.97347		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	45.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		

Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	175.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

23
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS0761173**

Agency:	USGS	Site ID:	404111073584601
Site Name:	K 659. 1		
Dec. Latitude:	40.68649		
Dec. Longitude:	-73.97903		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	38.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	170.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

24
South
1/2 - 1 Mile
Higher

FED USGS **USGS0761171**

Agency:	USGS	Site ID:	404109073585901
Site Name:	K 655. 1		
Dec. Latitude:	40.68594		
Dec. Longitude:	-73.98264		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	39.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	214.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK®- PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
25 NNW 1/2 - 1 Mile Higher		FED USGS	USGS0761233

Agency:	USGS	Site ID:	404202073591401
Site Name:	K 723. 1		
Dec. Latitude:	40.70066		
Dec. Longitude:	-73.98681		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	57.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	141.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

D26 SSW 1/2 - 1 Mile Lower		FED USGS	USGS0761170

Agency:	USGS	Site ID:	404108073591001
Site Name:	K 676. 1		
Dec. Latitude:	40.68566		
Dec. Longitude:	-73.98569		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	28.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	163.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

D27 SSW 1/2 - 1 Mile Lower		FED USGS	USGS0761169

Agency:	USGS	Site ID:	404107073591401
Site Name:	K 731. 1		
Dec. Latitude:	40.68538		
Dec. Longitude:	-73.98681		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	23.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	210.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

28
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS0761108**

Agency:	USGS	Site ID:	404106073584001
Site Name:	K 18. 1		
Dec. Latitude:	40.6851		
Dec. Longitude:	-73.97736		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	48.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112GLCLU		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

29
NNW
1/2 - 1 Mile
Higher

FED USGS **USGS0761238**

Agency:	USGS	Site ID:	404209073590601
Site Name:	K 671. 1		
Dec. Latitude:	40.7026		
Dec. Longitude:	-73.98458		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	37.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	135.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

30
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS0761221**

Agency:	USGS	Site ID:	404152073593801
Site Name:	K 1029. 1		
Dec. Latitude:	40.69788		
Dec. Longitude:	-73.99347		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	78.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112GLCLU		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

31
East
1/2 - 1 Mile
Higher

FED USGS **USGS0761183**

Agency:	USGS	Site ID:	404135073580901
Site Name:	K 658. 1		
Dec. Latitude:	40.69316		
Dec. Longitude:	-73.96875		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	61.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	201.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

E32
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS0761107**

Agency:	USGS	Site ID:	404105073591801
Site Name:	K 694. 1		
Dec. Latitude:	40.68483		
Dec. Longitude:	-73.98792		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	16.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	117.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

33
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS0761220**

Agency:	USGS	Site ID:	404152073581301
Site Name:	K 663. 1		
Dec. Latitude:	40.69788		
Dec. Longitude:	-73.96986		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	14.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	195.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

F34
East
1/2 - 1 Mile
Higher

FED USGS **USGS0761121**

Agency:	USGS	Site ID:	404143073580901
Site Name:	K 1288. 1		
Dec. Latitude:	40.69538		
Dec. Longitude:	-73.96875		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	30.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	108.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

E35
SSW
1/2 - 1 Mile
Lower

FED USGS **USGS0761105**

Agency:	USGS	Site ID:	404104073592201
Site Name:	K 725. 1		
Dec. Latitude:	40.68455		
Dec. Longitude:	-73.98903		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	14.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	115.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

F36
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS0761189**

Agency:	USGS	Site ID:	404146073580702
Site Name:	K 1018. 1		
Dec. Latitude:	40.69621		
Dec. Longitude:	-73.96819		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	18.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	116.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

F37
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS0761129**

Agency:	USGS	Site ID:	404146073580701
Site Name:	K 1015. 1		
Dec. Latitude:	40.69621		
Dec. Longitude:	-73.96819		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	20.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	92.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

38
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS0761222**

Agency:	USGS	Site ID:	404154073594301
Site Name:	K 110. 1		
Dec. Latitude:	40.69844		
Dec. Longitude:	-73.99486		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	72.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	160.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

G39
ENE
1/2 - 1 Mile
Lower

FED USGS **USGS0761192**

Agency:	USGS	Site ID:	404147073580501
Site Name:	K 1488. 1		
Dec. Latitude:	40.69649		
Dec. Longitude:	-73.96764		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	25.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	108.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

H40
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS0761165**

Agency:	USGS	Site ID:	404057073583701
Site Name:	K 19. 1		
Dec. Latitude:	40.68288		
Dec. Longitude:	-73.97736		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	46.9		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112JMCO		
Aquifer type:	Not Reported		
Well depth:	186.		
Hole depth:	186.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 276

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
2003-03-17		8.15	2002-03-21		7.73
2001-03-21		8.15	2000-03-22		8.01
1999-03-23		8.43	1998-05-28		8.88
1998-04-29		8.67	1998-03-25		8.49
1998-02-26		8.49	1998-01-26		8.27
1997-12-29		8.33	1997-11-26		8.48
1997-10-29		8.39	1997-09-29		8.56
1997-03-18		8.57	1996-07-12		8.31
1995-09-29		7.73	1995-06-22		7.87
1995-03-15		8.28	1995-01-03		8.59

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1994-06-28		8.97
1993-08-25		8.38
1993-06-22		8.66
1993-04-28		8.91
1993-01-19		8.41
1992-11-19		8.25
1992-09-18		8.37
1992-07-14		8.31
1988-06-01		8.17
1987-03-10		7.79
1986-06-13		7.59
1985-10-01		7.57
1984-12-18		10.17
1984-06-28		10.27
1984-01-05		9.80
1983-03-25		8.83
1982-10-06		8.56
1982-04-02		9.08
1981-09-23		8.47
1981-03-27		9.41
1980-09-23		9.87
1980-03-13		9.46
1979-09-17		10.47
1978-06-14		10.18
1976-12-21		8.00
1976-07-09		7.97
1975-10-07		8.41
1975-03-26		7.85
1974-09-25		7.62
1974-06-28		7.98
1974-01-09		8.24
1973-07-09		7.77
1972-12-27		7.37
1972-07-10		7.67
1972-01-13		6.94
1971-07-28		8.33
1971-03-08		5.38
1970-10-30		6.38
1970-03-13		6.38
1969-11-10		5.90
1969-08-04		5.48
1969-05-28		5.00
1969-04-01		4.79
1969-01-30		4.57
1968-12-03		4.07
1968-09-30		3.94
1968-07-29		4.13
1968-05-28		4.12
1968-03-27		4.29
1968-02-05		4.29
1967-11-29		3.93
1967-09-26		3.82
1967-07-28		3.56
1967-05-31		3.67
1967-03-29		3.48

Date	Feet below Surface	Feet to Sealevel
1993-11-22		8.35
1993-07-22		8.51
1993-05-24		8.82
1993-03-23		8.44
1992-12-28		8.39
1992-10-27		8.29
1992-08-24		8.34
1989-03-08		8.14
1987-09-10		7.97
1986-09-10		7.46
1985-12-03		7.64
1985-05-21		8.48
1984-10-05		9.78
1984-03-16		9.83
1983-09-28		8.34
1982-12-21		8.27
1982-06-30		8.87
1981-12-29		8.77
1981-06-25		8.96
1980-12-30		9.60
1980-06-19		10.29
1979-12-18		10.02
1979-06-28		10.58
1977-03-29		7.77
1976-09-22		7.99
1975-12-16		8.03
1975-06-30		7.50
1974-12-20		7.83
1974-09-05		7.95
1974-03-19		8.20
1973-09-25		7.29
1973-04-03		7.58
1972-09-29		7.04
1972-03-28		6.77
1971-09-23		7.01
1971-05-05		7.33
1971-02-09		6.59
1970-05-08		6.67
1970-02-06		5.97
1969-09-02		5.69
1969-07-02		5.14
1969-04-22		4.99
1969-03-01		4.59
1969-01-08		4.39
1968-11-06		3.87
1968-08-28		3.92
1968-06-26		4.15
1968-04-22		4.40
1968-03-06		4.01
1968-01-02		4.63
1967-10-20		3.62
1967-09-07		3.82
1967-07-06		3.57
1967-05-04		3.38
1967-02-24		3.25

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1967-01-31		1.93
1966-12-01		2.96
1966-09-30		2.66
1966-07-29		2.59
1966-05-26		3.17
1966-03-30		3.31
1966-01-28		3.08
1965-12-02		3.12
1965-10-07		3.07
1965-07-23		3.13
1965-05-24		3.28
1965-03-25		3.03
1965-01-29		2.80
1964-11-25		2.69
1964-10-01		2.57
1964-07-27		2.89
1964-05-28		2.74
1964-03-30		2.85
1964-01-28		2.45
1963-12-05		2.14
1963-09-30		2.23
1963-07-30		2.43
1963-06-03		2.92
1963-03-29		3.04
1963-01-31		3.06
1962-12-04		3.07
1962-08-31		3.03
1962-07-02		3.37
1962-04-26		3.75
1962-03-05		3.27
1961-12-28		3.08
1961-10-31		2.42
1961-08-31		2.88
1961-06-29		2.60
1961-04-26		2.61
1961-03-01		2.12
1960-12-06		1.57
1960-09-28		1.23
1960-08-02		1.10
1960-06-02		1.44
1960-03-29		1.26
1960-01-27		0.94
1959-12-01		0.60
1959-10-06		0.53
1959-08-04		0.87
1959-06-01		1.41
1959-04-03		1.54
1959-01-29		1.34
1958-10-30		1.16
1958-07-29		1.14
1958-05-29		1.20
1958-04-08		0.59
1958-01-28		0.16
1957-11-22		-0.19
1957-09-24		-0.43

Date	Feet below Surface	Feet to Sealevel
1966-12-23		3.09
1966-10-25		2.68
1966-08-29		2.64
1966-06-27		2.94
1966-05-04		3.16
1966-03-02		3.07
1965-12-30		3.41
1965-10-28		3.09
1965-09-09		3.09
1965-06-24		3.15
1965-05-04		3.31
1965-02-24		3.00
1964-12-31		2.49
1964-11-02		2.72
1964-09-02		2.32
1964-07-06		2.79
1964-04-23		2.76
1964-02-28		2.58
1963-12-31		2.20
1963-11-05		2.14
1963-09-03		2.44
1963-07-02		2.61
1963-04-25		3.04
1963-02-28		3.02
1963-01-03		3.17
1962-10-03		2.96
1962-07-30		3.45
1962-05-29		4.36
1962-03-27		3.36
1962-01-31		3.00
1961-11-28		2.89
1961-09-28		2.63
1961-08-01		2.59
1961-05-31		2.91
1961-03-28		2.43
1961-01-30		1.97
1960-11-02		1.46
1960-08-30		1.09
1960-06-30		1.24
1960-05-04		1.32
1960-03-08		1.16
1960-01-05		0.93
1959-11-02		0.71
1959-09-03		0.73
1959-07-02		1.12
1959-05-06		1.36
1959-03-02		1.59
1959-01-07		1.47
1958-08-28		0.94
1958-06-30		1.14
1958-05-01		0.79
1958-03-03		0.40
1957-12-31		-0.04
1957-10-30		-0.23
1957-09-04		-0.21

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
1957-07-24		-0.24
1957-05-28		0.09
1957-03-27		0.07
1957-01-25		-0.03
1956-11-29		-0.18
1956-09-04		-0.41
1956-07-03		-0.33
1956-05-03		-0.28
1956-03-05		-0.69
1955-12-22		-1.11
1955-11-04		-1.66
1955-08-25		-2.01
1955-06-23		-1.71
1955-04-26		-1.34
1955-02-21		-1.71
1954-12-27		-2.03
1954-10-28		-2.61
1954-08-25		-2.62
1957-06-27		-0.12
1957-04-24		0.17
1957-02-27		0.21
1956-12-20		-0.16
1956-10-02		-0.31
1956-08-02		-0.35
1956-06-05		-0.17
1956-03-29		-0.56
1956-02-03		-0.96
1955-12-02		-1.43
1955-10-07		-1.88
1955-07-26		-1.97
1955-05-24		-1.47
1955-03-29		-1.54
1955-01-25		-1.77
1954-12-02		-2.29
1954-10-05		-2.79
1954-07-29		-2.74

G41
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS0761125**

Agency:	USGS	Site ID:	404145073580401
Site Name:	K 1548. 1		
Dec. Latitude:	40.69594		
Dec. Longitude:	-73.96736		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	38.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	116.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

42
South
1/2 - 1 Mile
Lower

FED USGS **USGS0761166**

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Agency:	USGS	Site ID:	404057073585901
Site Name:	K 3259. 1		
Dec. Latitude:	40.68233		
Dec. Longitude:	-73.98292		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	23.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112GLCLU		
Aquifer type:	Not Reported		
Well depth:	30.		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 45

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1995-03-14		13.98	1995-01-03		13.34
1994-06-28		13.99	1994-03-25		14.42
1993-11-22		12.15	1993-08-25		12.04
1993-07-22		12.75	1993-06-22		13.30
1993-06-14		13.47	1993-03-23		13.46
1993-01-19		13.09	1992-12-28		12.92
1992-11-19		12.13	1992-10-27		11.90
1992-09-18		12.32	1992-07-14		12.76
1992-03-18		11.35	1991-03-20		12.45
1990-03-27		12.47	1989-04-11		12.81
1988-06-01		13.38	1985-10-01		12.45
1985-05-21		12.53	1984-12-18		12.91
1984-10-05		13.24	1984-06-28		13.60
1984-03-16		13.38	1984-01-05		5.13
1983-09-28		5.98	1983-06-29		12.13
1983-03-25		12.38	1982-12-21		11.88
1982-10-06		13.28	1982-06-30		13.66
1982-03-24		13.42	1981-12-29		13.90
1981-09-23		14.24	1981-06-25		13.76
1981-03-20		13.94	1981-02-10		13.43
1980-12-30		13.16	1980-09-23		13.35
1980-06-24		13.06	1980-06-10		14.02
1980-04-11		12.13			

43
WSW
1/2 - 1 Mile
Higher

FED USGS **USGS0761117**

Agency:	USGS	Site ID:	404124073594701
Site Name:	K 1365. 1		
Dec. Latitude:	40.6901		
Dec. Longitude:	-73.99597		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	42.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	103.		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 24

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1969-04-23		-1.43	1968-04-23		-1.32
1967-10-23		0.46	1967-03-29		0.07
1966-10-25		0.04	1966-05-04		-0.80
1965-10-27		-1.16	1965-09-14		-1.01
1965-05-04		-0.28	1964-11-02		-0.78
1964-04-23		0.05	1963-04-25		0.02
1962-04-26		0.58	1961-12-27		-0.10
1961-01-05		-0.73	1960-01-11		-1.61
1959-03-11		-4.72	1954-12-17		-4.06
1953-12-23		-4.32	1953-01-13		-5.29
1951-01-02		-4.66	1950-12-12		-11.26
1950-03-24		-10.77	1950-02-28		-11.14

44
NNW
1/2 - 1 Mile
Lower

FED USGS **USGS0761307**

Agency:	USGS	Site ID:	404216073591301
Site Name:	K 685. 1		
Dec. Latitude:	40.70455		
Dec. Longitude:	-73.98653		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	7.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	91.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation	Database	EDR ID Number
G45 **ENE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS0761191**

Agency:	USGS	Site ID:	404147073580201
Site Name:	K 82. 1		
Dec. Latitude:	40.69649		
Dec. Longitude:	-73.9668		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	20.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	120.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

G46 **ENE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS0761218**

Agency:	USGS	Site ID:	404150073580301
Site Name:	K 1051. 1		
Dec. Latitude:	40.69732		
Dec. Longitude:	-73.96708		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	20.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	86.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

G47 **ENE** **1/2 - 1 Mile** **Lower**	**FED USGS**	**USGS0761195**

Agency:	USGS	Site ID:	404148073580208
Site Name:	K 81. 1		
Dec. Latitude:	40.69677		
Dec. Longitude:	-73.9668		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	Not Reported		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	96.		
Hole depth:	Not Reported	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 20

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1969-04-22		1.53	1968-11-06		-0.94
1968-04-22		-0.29	1967-10-20		0.28
1967-03-28		0.05	1966-10-25		-0.94
1966-05-03		-0.79	1965-10-27		-1.36
1965-09-14		-1.21	1965-05-24		-0.91
1964-10-30		-1.69	1964-04-23		-1.62
1963-04-26		-2.40	1962-04-26		-2.24
1961-12-28		-2.83	1961-01-09		-5.61
1960-01-14		-5.75	1959-03-16		-4.51
1954-12-17		-15.64	1953-01-22		-15.11

H48
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS0761161**

Agency:	USGS	Site ID:	404055073583801
Site Name:	K 657. 1		
Dec. Latitude:	40.68205		
Dec. Longitude:	-73.97681		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	44.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	227.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

Map ID Direction Distance Elevation		Database	EDR ID Number
49 **SW** **1/2 - 1 Mile** **Lower**		**FED USGS**	**USGS0761104**

Agency:	USGS	Site ID:	404102073593301
Site Name:	K 654. 1		
Dec. Latitude:	40.68399		
Dec. Longitude:	-73.99208		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	25.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	158.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

50 **NNW** **1/2 - 1 Mile** **Lower**		**FED USGS**	**USGS0761308**

Agency:	USGS	Site ID:	404216073592401
Site Name:	K 662. 1		
Dec. Latitude:	40.70455		
Dec. Longitude:	-73.98958		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	Not Reported		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	108.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

I51 **East** **1/2 - 1 Mile** **Higher**		**FED USGS**	**USGS0761123**

Agency:	USGS	Site ID:	404145073575701
Site Name:	K 1319. 1		
Dec. Latitude:	40.69594		
Dec. Longitude:	-73.96542		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	31.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	145.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

I52
East
1/2 - 1 Mile
Higher

FED USGS **USGS0761124**

Agency:	USGS	Site ID:	404145073575702
Site Name:	K 1340. 1		
Dec. Latitude:	40.69594		
Dec. Longitude:	-73.96542		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	25.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	145.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

I53
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS0761128**

Agency:	USGS	Site ID:	404146073575601
Site Name:	K 1313. 1		
Dec. Latitude:	40.69621		
Dec. Longitude:	-73.96514		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	31.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	161.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

54
NW
1/2 - 1 Mile
Lower

FED USGS **USGS0761244**

Agency:	USGS	Site ID:	404212073594001
Site Name:	K 684. 1		
Dec. Latitude:	40.70344		
Dec. Longitude:	-73.99403		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	5.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	104.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

55
SSE
1/2 - 1 Mile
Higher

FED USGS **USGS0761099**

Agency:	USGS	Site ID:	404054073582401
Site Name:	K 20. 1		
Dec. Latitude:	40.68177		
Dec. Longitude:	-73.97292		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	40.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	112GLCLU		
Aquifer type:	Not Reported		
Well depth:	126.		
Hole depth:	136.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

56
NE
1/2 - 1 Mile
Lower

FED USGS **USGS0761306**

Agency:	USGS	Site ID:	404215073581601
Site Name:	K 2173. 1		
Dec. Latitude:	40.70427		
Dec. Longitude:	-73.97069		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	5.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	115.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

57
SW
1/2 - 1 Mile
Higher

FED USGS **USGS0761101**

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Agency:	USGS	Site ID:	404058073593601
Site Name:	K 702. 1		
Dec. Latitude:	40.68288		
Dec. Longitude:	-73.99292		
Coord Sys:	NAD83		
State:	NY		
County:	Kings County		
Altitude:	28.0		
Hydrologic code:	02030201		
Topographic:	Not Reported		
Site Type:	Ground-water other than Spring		
Const Date:	Not Reported	Inven Date:	Not Reported
Well Type:	Single well, other than collector or Ranney type		
Primary Aquifer:	Not Reported		
Aquifer type:	Not Reported		
Well depth:	Not Reported		
Hole depth:	140.	Source:	Not Reported
Project no:	Not Reported		

Ground-water levels, Number of Measurements: 0

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RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

Zip	Num Sites	< 4 Pci/L	>= 4 Pci/L	>= 20 Pci/L	Avg > 4 Pci/L	Max Pci/L
11201	12	11 (91.7%)	1 (8.3%)	0 (0%)	1.84	7.5

Federal EPA Radon Zone for KINGS County: 3

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for KINGS COUNTY, NY

Number of sites tested: 51

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.750 pCi/L	100%	0%	0%
Basement	1.370 pCi/L	88%	10%	2%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

New York State Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961
Coverages are based on official New York State Freshwater Wetlands Maps as described in Article 24-0301 of the Environmental Conservation Law.

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

New York Facility and Manifest Data
Source: NYSDEC
Telephone: 518-457-6585
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

PHASE II ENVIRONMENTAL SITE INVESTIGATION REPORT
86 Fleet Place
Brooklyn, New York

NYCDEP E-DESIGNATION (E-124)
DEP #07DEPTECH312K

Prepared For:

New York City Department of Environmental Protection
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Flushing, New York 11373-5108

Prepared By:

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ENGINEERING & ENVIRONMENTAL SERVICES

• New York, NY • Doylestown, PA • Miami, FL • New Haven, CT • Elmwood Park, NJ • Philadelphia, PA • Trenton, NJ •

TABLE OF CONTENTS

1.0 INTRODUCTION **1**
2.0 BACKGROUND **1**
2.1 Site Description **1**
2.2 Adjoining Property Description **2**
2.3 Previous Investigations by Others **2**
2.4 Hydrogeology **3**
3.0 PHASE II ENVIRONMENTAL SITE INVESTIGATION **3**
3.1 Pre-Investigation Activities **3**
3.2 Soil Investigation **3**
3.3 Groundwater Investigation **4**
3.4 Soil Vapor Investigation **5**
4.0 RESULTS **6**
4.1 Soil Results **6**
4.2 Waste Characterization Results **7**
4.3 Groundwater Results **7**
4.4 Soil Vapor Results **8**
5.0 SUMMARY AND CONCLUSIONS **10**

TABLES

Table 1: Summary of Detected SVOCs/VOCs/PCBs/Pesticides/Herbicides in Soil Samples
Table 2: Summary of Detected Metals in Soil Samples
Table 3: Summary of TCLP and RCRA Characteristic Results in Soil Samples
Table 4: Summary of Groundwater Sample Results
Table 5: Summary of Soil Vapor Results

FIGURES

Figure 1: Site Location Map
Figure 2: Phase II ESI Soil Boring and Monitoring Well Location Plan
Figure 3: Soil Samples Exceeding TAGM 4046 RSCOs
Figure 4: Groundwater Samples Exceeding NYSDEC AWQS
Figure 5: Sub-slab Vapor and Soil Gas Analytical Results

APPENDICES

Appendix A: Soil Boring Logs

Appendix B: Chain of Custody Documentation

Appendix C: Well Construction Logs

Appendix D: Groundwater Well Development and Sampling Logs

Appendix E: Laboratory Analytical Results (CD)

Appendix F: Analytical Laboratory NYSDOH Certification

1.0 INTRODUCTION

Langan Engineering and Environmental Services, P.C. (Langan) has prepared this Phase II Environmental Site Investigation (ESI) Report for the property located at 86 Fleet Place, designated as Tax Block, 2061, Lot 50 (the Site), in Brooklyn, New York. A Site Location Map is provided as Figure 1.

This Phase II ESI Report has been prepared in partial fulfillment of the requirements for a Notice to Proceed with planned development at the Site, which has been assigned an "E designation" (E-124) by the New York City Department of Environmental Protection (NYCDEP) for Hazardous Material (HazMat) and Noise. The Phase II ESI was conducted according to the June 12, 2007 letter by NYCDEP and the commitments established in the Phase II ESI Work Plan and Health and Safety Plan (HASP), dated April 11, 2007.

The sampling indicated semi volatile organic compounds (SVOCs) and metals, in excess of New York State Department of Environmental Conservation (NYSDEC) Technical Administrative Guidance Memorandum (TAGM) # 4046 Recommended Soil Cleanup Objectives (RSCOs), are present on the Site. No Volatile Organic Compounds (VOCs) were present in soil above NYSDEC standards. VOCs and metals were detected at concentrations exceeding the NYSDEC Technical & Operations Guidance Series (TOGS) Ambient Water Quality Standards (AWQS) in groundwater at the Site. VOCs were detected in the soil vapor samples collected from beneath the existing Site building and outdoor areas, at concentrations that would warrant mitigation (per the NYSDOH Soil Vapor Guidance document).

2.0 BACKGROUND

2.1 Site Description

The approximately 33,000 square-feet (ft^2) Site is located at 86 Fleet Place in the Borough of Brooklyn, New York and denoted on Tax Maps as Block 2061, Lot 50 (former Lots 1 and 150). The Site was formerly occupied by a one-story brick building which was demolished between August and September 2007. The adjacent streets, Fair Street and Prince Street, have been demapped by New York City and will become part of the future development footprint.

Generally, the ground surface slopes from the southwest to the northwest. The surface elevations, referenced to the President of Brooklyn Highway Datum (BHD), range from

approximately el 37-feet (ft) BHD in the southwest, to el 28-ft BHD in the northeast corner. Groundwater flow is west-northwesterly.

2.2 Adjoining Property Description

The Site is bounded by Myrtle Avenue to the north, a construction area to the east, Fair Street to the south, and Prince Street to the west. Surrounding uses include residential apartment buildings, commercial office buildings, day care centers, and retail stores. To the north, across Myrtle Avenue, is a vacant commercial office building. To the northwest across Myrtle Avenue, is a deli/grocery. The property that directly abuts the Site to the east and properties to the west of the Site, across Prince Street, are active construction areas. To the south, across Fair Street, is Stanley S. Lamm Institute Preschool Center, and to the southeast, along Fleet Street, is Duffield Children's Center.

2.3 Previous Investigations by Others

Previous environmental reports for the Site consist of three Phase I Environmental Site Assessments (ESAs):

- Phase I ESA, Block 2061, Lot 1, 166-218 Myrtle Avenue, Brooklyn, New York, prepared by American Environmental Solutions, Inc., dated June 2005. The Phase I ESA was conducted for an approximately 110,500 ft^2 property which included the approximately 33,000 ft^2 Site.
- Phase I ESA, Fair Street, Brooklyn, New York, prepared by American Environmental Solutions, Inc., dated July 2006. The Phase I ESA was conducted for the portion of the Site located on Fair Street between Prince Street and Fleet Place.
- Phase I ESA, Prince Street from Fair Street to Myrtle Avenue, Brooklyn, New York, prepared by American Environmental Solutions, Inc., dated July 2006. The Phase I ESA was conducted for the portion of the Site located on Prince Street from Fair Street to Myrtle Avenue. The Phase I ESA for Prince Street referenced a Phase II Limited Subsurface Investigation conducted by AES in November 2005, which was not available for review.

Based on the review of the three Phase I ESA reports for the Site, a reference to a Phase II Limited Subsurface Investigation was noted for Prince Street. The findings of this Limited Investigation indicated concentrations of metals above the TAGM RSCOs. The presence of

impacted soils constituted an on-site Recognized Environmental Condition (REC). Off-site RECs identified in the vicinity of the Site include:

- A dry cleaner located approximately 30 ft west of the Site in 1950;
- A dry cleaner located approximately 50 ft west of the Site from at least 1969 to 1996;
- A historic gasoline station with several underground storage tanks (USTs) located approximately 100 ft from the Site from at least 1938 to 1980;
- A dry cleaner located approximately 120 ft northwest of the Site from at least 1969 to 1996; and
- A dry cleaner located approximately 370 ft east of the Site in 1969.

This Phase II ESI has been conducted to screen for potential impacts to soil and groundwater that may have resulted from the above mentioned RECs.

2.4 Hydrogeology

Numerous synoptic rounds of water level measurements were collected from 11 on-site and off-site wells to establish groundwater elevations and flow direction. The stabilized groundwater level was measured to be at about 31- to 33-ft below existing grades (about el 4- to el 2.5-ft BHD) at the Site and at about 19-ft below existing grades (about el 4.5-ft BHD) at the property directly east of the Site. The average readings obtained from the on-site and off-site wells indicate that the groundwater flows toward the East River, which is consistent with regional maps published by the USGS.

3.0 PHASE II ENVIRONMENTAL SITE INVESTIGATION

3.1 Pre-Investigation Activities

Prior to initiation of Phase II ESI activities, New York One Call was contacted to identify subsurface utility services entering the Site.

3.2 Soil Investigation

A total of 10 soil borings (LEG-19, LEG-20, LEG-21B, LEG-21C, LEG-22, LEG-22A, LEG-23, LEG-23A, LEG-24, and LEG-25) were installed at the Site. Soil borings were completed by Craig Test Boring of Mays Landing NJ, Alpine Drilling of North Haven CT, and Aquifer Drilling and Testing (ADT) of New Hyde Park NY, under the supervision of a Langan field engineer. Each boring was advanced from ground surface to a depth of approximately 20- to 25-ft using a

hollow stem auger, Geoprobe, and when necessary due to obstructions, mud rotary using revert. Continuous soil samples (split spoon and/or macrocore) were collected from each boring, inspected for visible evidence of contamination, and screened for VOCs with a photo-ionization detector (PID). Up to two soil samples were collected from each boring location for laboratory analysis; one sample from the shallow material and one sample from the soil/groundwater interface. In addition, composite and grab soil samples were collected for waste characterization purposes from six of the soil boring locations. A Boring Location Plan is provided as Figure 2. Soil boring logs are provided in Appendix A.

Soil samples were collected in laboratory-supplied containers and shipped under chain-of-custody protocol to Spectrum Analytical, Inc., a New York State Department of Health (NYSDOH) Environmental Laboratory Accreditation Program (ELAP) certified laboratory in Agawam MA. The chain-of-custody documentation is presented in Appendix B. Soil samples were analyzed for the full NYSDEC TAGM RSCOs. Composite waste characterization soil samples were analyzed for Toxicity Characteristic Leaching Procedure (TCLP) VOCs, TCLP SVOCs, TCLP pesticides, TCLP herbicides, and Resource Conservation and Recovery Act (RCRA) characteristics, including ignitability, reactivity, corrosivity, and cyanide.

3.3 Groundwater Investigation

Following collection of soil samples, monitoring wells were installed in six of the soil borings (LEG-19, LEG-20, LEG-21C, LEG-22, LEG-23, and LEG-23A). Monitoring well installation was accomplished using the mud rotary drilling method (with revert) for all but one well. Due to access restrictions, a temporary well point was installed at LEG-23 using a Geoprobe rig, to confirm groundwater impacts in the area. The wells were constructed with five foot sections of Schedule 40, 0.01-inch slot screen.

Langan collected groundwater samples from each well using a submersible and/or peristaltic pump and dedicated, disposable polyethylene tubing. Well construction logs are provided in Appendix C. Wells were purged using the low-flow method developed by the United State Environmental Protection Agency (USEPA) ("Low-Flow [Minimal Drawdown] Ground-Water Sampling Procedures," EPA/540/S-95/504, April 1996) and accepted by the NYSDEC. During the purging, the turbidity, pH, temperature, conductivity, Redox potential, and dissolved oxygen of the groundwater were monitored using a Horiba U-22 Water Quality meter with a flow-

through cell. The monitored parameters were recorded on the Well Development and Sampling Logs which are provided in Appendix D.

Groundwater samples were collected in laboratory-supplied containers with appropriate preservatives and shipped under chain-of-custody protocol to Spectrum Analytical, Inc. The chain-of-custody documentation is presented in Appendix B.

Groundwater samples were analyzed for Target Compound List (TCL) VOCs and SVOCs, polychlorinated biphenyls (PCBs), and Target Analyte List (TAL) metals. Groundwater samples collected from monitoring wells LEG-19, LEG-23A, and LEG-21C were additionally analyzed for pesticides and herbicides.

3.4 Soil Vapor Investigation

Nine soil vapor probes were installed during the Phase II ESI. A direct-push Geoprobe rig was used to create +/- 1.5-inch hole to the required depth and a stainless steel Geoprobe screen implant (5/16-inch diameter, +/- 8-inch length) was threaded to laboratory- or food-grade Teflon tubing (0.313-inch diameter) and lowered to the bottom of the hole. The Geoprobe rods were removed from the hole and a sand filter pack was installed around the screen implant by pouring the sand into the annulus. The remainder of the annulus was filled to grade surface with a bentonite slurry seal, which was hydrated to form an air-tight seal. Two probe assembly volumes of air were purged and the soil gas sample was drawn through the slotted screen and the tubing into a laboratory supplied Summa canister.

Five of the nine soil gas samples were collected from depths of 5- to 7-ft below grade surface (bgs) from outdoor, open areas not covered by a building or enclosed structure; and the remaining four soil vapor samples were collected immediately beneath (approximately 6-inches below) the concrete floor or slab of the former Site building (the building had not yet been demolished at the time of the soil vapor investigation). Two indoor air samples were collected from within the Site building during sub-slab soil vapor sampling and one outdoor air sample was collected during the soil gas sampling.

The Summa canisters for soil gas, sub-slab soil vapor, indoor air, and outdoor air samples were labeled, placed in containers for shipment, and picked up by a courier or shipped to Spectrum Analytical, Inc. under proper chain-of-custody protocol for analysis. The chain-of-custody

documentation is presented in Appendix B. Soil vapor samples were analyzed for VOCs by USEPA method TO-15 in accordance with the October 2006 NYSDOH Guidance document.

4.0 RESULTS

The following summarizes the findings of the soil, groundwater, and soil vapor sampling activities conducted during the Phase II ESI. Analytical laboratory reports are provided in Appendix E and the NYSDOH laboratory certification is provided in Appendix F.

4.1 Soil Results

Up to two soil samples were collected from each boring location for laboratory analysis. Analytical results from the soil samples were compared to NYSDEC TAGM #4046 RSCOs. The analytical results for soils are presented on Figure 3 and in Tables 1 and 2.

General

- Fill material consisting of brown and black sand with gravel, brick, and gravel-sized rock fragments was identified in the borings through a maximum depth of approximately 24- ft bgs. This fill material was underlain by native sands and silts.

VOCs

- VOCs were not detected at concentrations exceeding the TAGM RSCO standards. Dichloromethane (a.k.a Methylene Chloride - a common laboratory contaminant) was detected in all soil samples. Tetrachloroethene (PCE) was detected below the TAGM 4046 RSCOs in the deeper soil samples collected from borings LEG-23, LEG-24, and LEG-25. Depths ranged from 20 to 30- ft bgs.

SVOCs

- SVOCs, particularly polycyclic-aromatic hydrocarbons (PAHs), were detected at concentrations exceeding TAGM RSCOs in all soil borings. SVOCs exceeding TAGM RSCOs include the following PAHs: benzo(a)athracene (343 µg/kg to 4,470 µg/kg), benzo(a)pyrene (64 µg/kg to 4,140 µg/kg), benzo(b)floranthene (3,290 µg/kg), benzo(k)floranthene (4,090 µg/kg), chrysene (419 µg/kg to 4,730 µg/kg), and dibenzo(a,h)anthracene (47.2 µg/kg to 62.4 µg/kg).

Metals

- Metals were detected at concentrations exceeding TAGM RSCOs in all soils borings except LEG-23. The individual metals that had TAGM RSCO exceedances include arsenic (8.9 mg/kg to 11 mg/kg), barium (381 mg/kg to 645 mg/kg), beryllium (0.167 mg/kg to 0.449 mg/kg), cadmium (1.6 mg/kg), copper (28.1 mg/kg to 115 mg/kg), iron (5,470 mg/kg to 16,100 mg/kg), lead (705 mg/kg to 1,740 mg/kg), magnesium (5,790 mg/kg to 19,200 mg/kg), mercury (0.285 mg/kg to 1.76 mg/kg), nickel (14 mg/kg to 155 mg/kg), zinc (56.1 mg/kg to 666 mg/kg), and mercury (0.182 mg/kg to 1.76 mg/kg).

PCBs

- PCBs were not detected at concentrations exceeding the TAGM RSCO standards.

Pesticides and Herbicides

- Pesticides and Herbicides were not detected at concentrations exceeding the TAGM RSCO standards.

4.2 Waste Characterization Results

One composite and one grab soil sample was collected for waste characterization purposes from boring locations LEG-19, LEG-21C, LEG-23, LEG-23A, LEG-24, and LEG-21B. Waste characterization soil samples were compared to the RCRA Hazardous Waste Regulatory Levels for Toxicity Characteristics. Analytical results are provided in Table 3.

TCLP and RCRA Characteristics

- No exceedances of the RCRA hazardous waste Regulatory Levels for Toxicity Characteristics were identified in the waste characterization soil samples.

4.3 Groundwater Results

The groundwater sampling results were compared to NYSDEC TOGS AWQS. The analytical results for are presented on Figure 4 and in Table 5.

General

- Groundwater was encountered at depths of approximately 19 to 24 ft bgs in the monitoring wells.

VOCs

- VOCs were detected at concentrations that exceeded the NYSDEC TOGS Water Quality Standards from groundwater samples collected from LEG-19, LEG-21C, LEG-23, and LEG-23A. The individual VOC exceedances are: PCE (10.8 mg/l to 224 mg/l), trichloroethylene (TCE) (6.6 mg/l to 17.7 mg/l), cis-1,2-dichloroethene (72.3 mg/l), and chloroform (7.6 mg/l).
- The highest groundwater detections of TCE (6.6 mg/l and 17.7 mg/l) and PCE (81.3 mg/l and 224 mg/l) were found in LEG-23 and LEG-23A, respectively; monitoring wells LEG-23 and LEG-23A are situated in northwest corner of the Site. Concentrations of PCE in remaining on-site wells ranged from 2.3 mg/l to 44.5 mg/l, and TCE was not detected above the reporting limit in the remaining wells. Due to the groundwater flow direction (southeast to northwest) and the distribution of these compounds identified in the monitoring wells, there is a potential for the PCE source to exist at the center of the Site footprint.

Metals

- Metals were detected at concentrations that exceed the TOGS standards in all groundwater samples. The individual metals that had TOGS exceedances include antimony (0.0045 mg/l to 0.0048 mg/l), arsenic (0.0031 mg/l to 0.0038 mg/l), iron (0.035 mg/l to 8.7 mg/l), magnesium (37.2 mg/l), manganese (0.534 mg/l to 12.1 mg/l), sodium (44.4 mg/l to 57.6 mg/l), and thallium (0.0019 mg/l to 0.0166 mg/l).

SVOCs, PCBs, Pesticides, and Herbicides

- SVOCs, PCBs, pesticides, and herbicides were not detected at concentrations exceeding the NYSDEC TOGS standards.

4.4 Soil Vapor Results

New York State currently does not have standards, criteria, or guidance values for concentrations of VOCs in subsurface soil vapor outside of enclosed structures. Additionally, there are currently no databases available of background levels of volatile chemicals in soil vapor. In the absence of this information, soil vapor data is typically evaluated "as a whole" in conjunction with the results of other environmental sampling (i.e., soil and ground water sampling).

Laboratory analytical results from the sub-slab soil vapor and ambient indoor air samples were evaluated and compared to compounds carbon tetrachloride, 1,1,1-trichloroethane (1,1,1-TCA), PCE, and TCE., per the NYSDOH Soil Vapor Intrusion Guidance Document (October 2006). The soil vapor and ambient air analytical results for the Site are presented in Figure 5 and in Table 5.

Carbon Tetrachloride

- Carbon Tetrachloride was not detected above the reporting limits in the soil vapor, indoor air, and outdoor air samples. For the purposes of comparative evaluation to the NYSDOH guidance, carbon tetrachloride concentrations are estimated at the reporting limit for the sample.
- Although carbon tetrachloride was not detected in the sub-slab soil vapor or the indoor ambient air samples, based on the reporting limits (above NYSDOH criteria, Matrix 1), mitigation is necessary to minimize potential exposures associated with soil vapor intrusion.

1,1,1-TCA

- 1,1,1-TCA was not detected above the reporting limits in the outdoor soil gas, indoor, or outdoor air samples. 1,1,1-TCA was detected at a concentration of 4 $\mu g/m^3$ in sub-slab soil vapor sample SV-24. For the purposes of comparative evaluation to the NYSDOH guidance, 1,1,1-TCA concentrations are estimated at the reporting limit for non-detect samples.
- Although 1,1,1-TCA was not detected in the indoor ambient air sample, based on the reporting limit (above NYSDOH criteria, Matrix 2), and as compared to the reported concentration of 4 $\mu g/m^3$ in sub-slab soil vapor sample SV-24, reasonable and practical actions to identify source(s) and reduce exposure are required.

PCE

- PCE was detected in sub-slab soil vapor samples SV-24, SV-A, and SV-B concentrations ranging from 21.7 $\mu g/m^3$ to 652 $\mu g/m^3$. PCE was detected at 246 $\mu g/m^3$ in the indoor ambient air sample AMB-042607.
- PCE was not detected above the reporting limits (6.8 $\mu g/m^3$) in the outside ambient air sample SV-AO. PCE was detected in outdoor soil vapor samples SV-22, SV-C, SV-E, SV-F, SV-G, and SV-22 at concentrations ranging from 104 $\mu g/m^3$ to 421 $\mu g/m^3$.

- Based on a concentration of 652 $\mu g/m^3$ in sub-slab soil vapor sample SV-24 as compared to 246 $\mu g/m^3$ in the indoor ambient air sample AMB-042607, mitigation is necessary to minimize potential exposures associated with soil vapor intrusion, as per Matrix 2 of the NYSDOH guidance.

TCE

- TCE was detected at concentrations ranging from 1.8 $\mu g/m^3$ to 8.8 $\mu g/m^3$ in sub-slab soil vapor samples SV-24, SV-A, and SV-B. TCE was not detected above the reporting limits in the indoor ambient air samples.
- TCE was detected in outdoor soil vapor sample SV-C at 3.3 $\mu g/m^3$. TCE was not detected above the reporting limits in the outdoor ambient air sample.
- For the purposes of comparative evaluation to the NYSDOH guidance, TCE concentrations are estimated at the reporting limit for non-detect samples.
- Although TCE was not detected in the indoor ambient air sample, based on the reporting limit (above NYSDOH criteria, Matrix 1), and as compared to the reported concentration of 8.8 $\mu g/m^3$ in sub-slab soil vapor sample SV-A, mitigation is necessary to minimize potential exposures associated with soil vapor intrusion.

5.0 SUMMARY AND CONCLUSIONS

SVOCs and several metal compounds were detected at concentrations that exceeded TAGM RSCOs in soil samples collected from 9 of the 10 soil borings. The SVOCs that were detected in concentrations exceeding TAGM RSCOs are classified as PAHs.

VOCs, specifically TCE and PCE, and metals were detected at concentrations that exceeded TOGS AWQS in groundwater samples at the Site. Elevated metal concentrations were consistent in groundwater samples collected throughout the Site.

PCE was detected above TOGS AWQS in groundwater samples collected from monitoring wells LEG-19, LEG21C, LEG-23, and LEG-23A, and TCE was detected above TOGS AWQS in LEG-23 and LEG-23A. The highest groundwater detections of TCE (6.6 mg/l and 17.7 mg/l) and PCE (81.3 mg/l and 224 mg/l) were found in LEG-23 and LEG-23A, respectively; monitoring wells LEG-23 and LEG-23A are situated in northwest corner of the Site. Concentrations of PCE in remaining on-site wells ranged from 2.3 mg/l to 44.5 mg/l, and TCE was not detected above

the reporting limit in the remaining wells. Due to the groundwater flow direction (southeast to northwest) and the distribution of these compounds identified in the monitoring wells, there is a potential for the PCE source to exist at the center of the Site footprint.

VOCs were detected in the sub-slab vapor samples collected from beneath the former Site building at concentrations that would warrant mitigation (per the NYSDOH Soil Vapor Guidance document). VOCs, specifically PCE and TCE, detected in groundwater may be contributing to PCE/TCE which was detected in soil vapor at the Site.

A Remedial Action Plan (RAP) and a Site-specific Construction Health and Safety Plan (CHSP) have been prepared to address remediation work at the Site and are being submitted under a separate cover. The RAP outlines waste characterization, soil management procedures, and other remedial activities deemed necessary during planned development activity at the Site. The CHSP addresses Site specific hazard and safety requirements associated with remedial and excavation activities.

Tables

TABLE 1
SUMMARY OF DETECTED VOCS/SVOCS/PCBS/HERBICIDES IN SOIL SAMPLES
86 FLEET PLACE
LANGAN PROJECT NO. 5762902

Sample ID Sample Date Action Level Unit	NYSDEC TAGM RECOMMENDED SOIL CLEANUP	LEG-19 (MW)-0-2 9/12/2007 ug/kg	LEG-19 (MW)-24-26 9/12/2007 ug/kg	Dup 3 (24-26) 9/12/2007 ug/kg	LEG 20-0-14 3/28/2007 ug/kg	LEG 20-22-24 3/28/2007 ug/kg	LEG 21b-0-2 9/7/2007 ug/kg	LEG 21b-22-24 9/7/2007 ug/kg	LEG-21C-(0-2) 9/13/2007 ug/kg	LEG-21C-(22-24) 9/13/2007 ug/kg	LEG 22-0-8 3/21/2007 ug/kg	LEG 22A-0-6 4/3/2007 ug/kg	LEG 22A-22-24 4/3/2007 ug/kg
VOC (ug/kg)													
DICHLOROMETHANE	100	37.1 O01, J	30.3 O01, J	17.8 O01, J	6.4	6.1	< 34.4 U	< 24.6 U	31.9 O01, J	28.2 O01, J	4.6	6.2	5.7
TETRACHLOROETHENE	1400	< 0.4 U	< 0.4 U	< 0.3 U	< 0.4 U	< 0.5 U	< 4.3 U	< 3.1 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.4 U	< 0.3 U
SVOC (ug/kg)													
CHRYSENE	400	75.2 J	< 3.72 U	< 3.69 U	132	3.74	86.2 J	< 3.59 U	122 J	< 3.84 U	**422**	**1020**	3.42
2-METHYLNAPHTHALENE	36400	< 6.1 U	< 5.78 U	< 5.74 U	< 5.41 U	< 5.81 U	< 6.37 U	< 5.58 U	< 5.85 U	< 5.97 U	< 10.7 U	94.9	< 5.31 U
ACENAPHTHYLENE	41000	< 8.35 U	< 7.91 U	< 7.86 U	< 7.41 U	< 7.96 U	< 8.73 U	< 7.65 U	< 8.02 U	< 8.17 U	< 14.7 U	< 20.1 U	< 7.28 U
ACENAPTHENE	50000	< 6.68 U	< 6.33 U	< 6.29 U	< 5.92 U	< 6.37 U	< 6.99 U	< 6.12 U	< 6.41 U	< 6.54 U	< 11.7 U	305	< 5.82 U
ANTHRACENE	50000	< 8.35 U	< 7.91 U	< 7.86 U	44.4	< 7.96 U	< 8.73 U	< 7.65 U	34.2 J	< 8.17 U	238	635	< 7.28 U
BENZO(A)ANTHRACENE	224	71.8 J	< 16.9 U	< 16.7 U	130	< 17 U	82.7 J	< 16.3 U	119 J	< 17.4 U	**376**	**1020**	< 15.5 U
BENZO(A)PYRENE	61	**64** J	< 8.94 U	< 8.88 U	**123**	< 8.99 U	**79.8** J	< 8.64 U	**107** J	< 9.23 U	**343**	**812**	< 8.23 U
BENZO(B)FLUORANTHENE	1100	51.2 J	< 34.8 U	< 34.6 U	102	< 35 U	70.4 J	< 33.6 U	98.9 J	< 36 U	314	778	< 32 U
BENZO(G,H,I)PERYLENE	50000	34.5 J	< 7.36 U	< 7.31 U	71.6	< 7.4 U	45.4 J	< 7.11 U	59.9 J	< 7.6 U	159	274	< 6.77 U
BENZO(K)FLUORANTHENE	1100	61.8 J	< 10.5 U	< 10.5 U	115	< 10.6 U	68.1 J	< 10.2 U	90.3 J	< 10.9 U	373	741	< 9.68 U
DIBENZ(A,H)ANTHRACENE	14	< 4.43 U	< 4.19 U	< 4.16 U	< 3.93 U	< 4.22 U	< 4.63 U	< 4.05 U	< 4.25 U	< 4.33 U	< 7.77 U	< 10.6 U	< 3.86 U
DIBENZOFURAN	6200	< 3.34 U	< 3.17 U	< 3.14 U	< 2.96 U	< 3.18 U	< 3.49 U	< 3.06 U	< 3.21 U	< 3.27 U	< 5.87 U	175	< 2.91 U
DI-N-OCTYL PHTHALATE	50000	< 13.4 U	< 12.7 U	< 12.6 U	< 11.8 U	< 12.7 U	< 14 U	< 12.2 U	37.9 J	< 13.1 U	< 23.5 U	136	26.2
FLUORANTHENE	50000	177 J	< 6.33 U	< 6.29 U	280	< 6.37 U	192 J	< 6.12 U	282	< 6.54 U	848	2170	< 5.82 U
FLUORENE	50000	< 6.68 U	< 6.33 U	< 6.29 U	< 5.92 U	< 6.37 U	< 6.99 U	< 6.12 U	< 6.41 U	< 6.54 U	< 11.7 U	318	< 5.82 U
INDENO(1,2,3-CD)PYRENE	3200	38.4 J	< 12.1 U	< 12 U	68.1	< 12.2 U	47.2 J	< 11.7 U	64.7 J	< 12.5 U	179	318	< 11.1 U
NAPHTHALENE	13000	< 10.6 U	< 10.1 U	< 9.98 U	< 9.41 U	< 10.1 U	< 11.1 U	< 9.71 U	< 10.2 U	< 10.4 U	< 18.6 U	175	< 9.25 U
PHENANTHRENE	50000	110 J	< 12.1 U	< 12 U	189	< 12.2 U	121 J	< 11.7 U	159 J	< 12.5 U	413	2700	< 11.1 U
PYRENE	50000	140 J	< 18.5 U	< 18.4 U	300	< 18.6 U	157 J	< 17.9 U	220 J	< 19.1 U	1060	2520	< 17 U
TOTAL SVOCs	500000	823.90	0	0	1555.1	3.74	949.80	0	1,394.90	0	4725	14,191.90	29.62
PCB (ug/kg)	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PESTICIDES (ug/kg)													
4,4'-DDD	2900	< 0.359 U	< 0.342 U	< 0.345 U	< 0.361 U	< 0.382 U	< 0.405 U	< 0.36 U	< 0.36 U	< 0.345 U	< 0.376 U	< 0.357 U	< 0.347 U
4,4'-DDE	2100	< 0.356 U	< 0.34 U	< 0.343 U	< 0.359 U	< 0.38 U	< 0.403 U	< 0.358 U	< 0.357 U	< 0.343 U	< 0.374 U	< 0.355 U	< 0.345 U
4,4'-DDT	2100	112	< 0.314 U	< 0.316 U	< 0.33 U	< 0.35 U	12.3 J	< 0.33 U	93.7	< 0.316 U	< 0.345 U	< 0.327 U	< 0.318 U
ALDRIN	41	< 0.129 U	< 0.123 U	< 0.124 U	< 0.13 U	< 0.138 U	< 0.146 U	< 0.13 U	< 0.13 U	< 0.124 U	< 0.136 U	< 0.129 U	< 0.125 U
ALPHA-CHLORDANE	540	19	< 2.23 U	< 2.25 U	< 0.235 U	< 0.249 U	5.52 J	< 2.35 U	21.3	< 2.25 U	< 0.245 U	< 0.233 U	< 0.226 U
CHLORDANE	540	134	< 0.82 U	< 0.826 U	NA	< 0.914	< 0.97 U	< 0.862 U	150	< 0.826 U	< 0.9	< 0.855	< 0.831
DIELDRIN	44	< 0.233 U	< 0.222 U	< 0.224 U	< 0.234 U	< 0.248 U	1.71 J	< 0.234 U	< 0.233 U	< 0.224 U	< 0.244 U	< 0.232 U	< 0.225 U
GAMMA-CHLORDANE	540	17.8	< 0.555 U	< 0.559 U	< 0.585 U	< 0.62 U	5.71 J	< 0.584 U	24.7	< 0.56 U	< 0.61 U	< 0.579 U	< 0.563 U
HERBICIDES (ug/kg)	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SOLIDS (%)	-	89.7	94.4	94.4	90.6	84.1	84.3	95.7	90.8	91.3	86.3	89.7	92.7

NOTES:
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QUALIFIERS:
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O01 = Compound is a common laboratory contaminant

TABLE 1
SUMMARY OF DETECTED VOCS/SVOCS/PCBS/HERBICIDES IN SOIL SAMPLES
86 FLEET PLACE
LANGAN PROJECT NO. 5762902

Sample ID Sample Date Action Level Unit	NYSDEC TAGM RECOMMENDED SOIL CLEANUP	LEG 23-0-2 4/23/2007 ug/kg	DUP-1 4/23/2007 ug/kg	LEG 23-20-25 4/23/2007 ug/kg	LEG-23a (0-2) 9/14/2007 ug/kg	LEG-23a (20-22) 9/14/2007 ug/kg	Dup-2 9/14/2007 ug/kg	LEG 24-0-2 4/26/2007 ug/kg	LEG 24-28-30 4/30/2007 ug/kg	LEG 25-0-4 4/25/2007 ug/kg	LEG 25-27-30 4/25/2007 ug/kg
VOC (ug/kg)											
DICHLOROMETHANE	100	5.6	8 O01,J	4.7	8.2 O01, J	4.4 O01, J	9.2 O01, J	< 26.3 U	4	4.5	7.6
TETRACHLOROETHENE	1400	< 0.4 U	< 0.4 U	14.4	9.2 O01, J	4.2 J	6.3 J	< 3.3 U	4	< 0.4 U	5.5
SVOC (ug/kg)											
CHRYSENE	400	**419**	199 J	3.41	< 3.8 U	< 3.7 U	< 3.76 U	**4730**	2.75	**1080**	2.9
2-METHYLNAPHTHALENE	36400	< 11.2 U	< 9.51 U	< 5.3 U	< 5.9 U	< 5.75 U	< 5.84 U	< 65.1 U	< 4.28 U	< 22.6 U	< 4.5 U
ACENAPHTHYLENE	41000	72.7	< 13 U	< 7.26 U	< 8.09 U	< 7.87 U	< 8.01 U	< 89.1 U	< 5.86 U	< 30.9 U	< 6.17 U
ACENAPTHENE	50000	< 12.3 U	< 10.4 U	< 5.81 U	< 6.47 U	< 6.3 U	< 6.4 U	< 71.3 U	< 4.69 U	< 24.7 U	< 4.94 U
ANTHRACENE	50000	79.8	65.1 J	< 7.26 U	< 8.09 U	< 7.87 U	< 8.01 U	< 1090 J	< 5.86 U	371	< 6.17 U
BENZO(A)ANTHRACENE	224	**343**	181 J	< 15.5 U	< 17.2 U	< 16.8 U	< 17.1 U	**4740**	< 12.5 U	**1060**	< 13.1 U
BENZO(A)PYRENE	61	**502**	**212** J	< 8.21 U	< 9.14 U	< 8.89 U	< 9.05 U	**4140**	< 6.62 U	**924**	< 6.97 U
BENZO(B)FLUORANTHENE	1100	480	176 J	< 32 U	< 35.6 U	< 34.6 U	< 35.2 U	**3290**	< 25.8 U	746	< 27.2 U
BENZO(G,H,I)PERYLENE	50000	250	102 J	< 6.75 U	< 7.52 U	< 7.32 U	< 7.45 U	< 2150 J	< 5.45 U	429	< 5.74 U
BENZO(K)FLUORANTHENE	1100	478	190 J	< 9.66 U	< 10.8 U	< 10.5 U	< 10.6 U	**4090**	< 7.79 U	961	< 8.21 U
DIBENZ(A,H)ANTHRACENE	14	**62.4**	< 6.9 U	< 3.85 U	< 4.29 U	< 4.17 U	< 4.24 U	**47.2** U	< 3.11 U	< 16.4 U	< 3.27 U
DIBENZOFURAN	6200	< 6.14 U	< 5.21 U	< 2.9 U	< 3.23 U	< 3.15 U	< 3.2 U	< 35.7 U	< 2.34 U	< 12.4 U	< 2.47 U
DI-N-OCTYL PHTHALATE	50000	< 24.6 U	< 20.8 U	< 11.6 U	< 12.9 U	< 12.6 U	< 12.8 U	< 143 U	< 9.38 U	< 49.5 U	< 9.87 U
FLUORANTHENE	50000	321	313 J	< 5.81 U	< 6.47 U	< 6.3 U	< 6.4 U	8210	< 4.69 U	2240	< 4.94 U
FLUORENE	50000	< 12.3 U	< 10.4 U	< 5.81 U	< 6.47 U	< 6.3 U	< 6.4 U	< 71.3 U	< 4.69 U	< 24.7 U	< 4.94 U
INDENO(1,2,3-CD)PYRENE	3200	244	94.7 J	< 11.1 U	< 12.4 U	< 12 U	< 12.2 U	< 2160 J	< 8.97 U	408	< 9.44 U
NAPHTHALENE	13000	< 19.5 U	< 16.5 U	< 9.22 U	< 10.3 U	< 10 U	< 10.2 U	< 113 U	< 7.44 U	< 39.3 U	< 7.84 U
PHENANTHRENE	50000	199	225 J	< 11.1 U	< 12.4 U	< 12 U	< 12.2 U	3650	< 8.97 U	1700	< 9.44 U
PYRENE	50000	619	432	< 17 U	< 18.9 U	< 18.4 U	< 18.7 U	8850	< 13.7 U	2550	< 14.4 U
TOTAL SVOCs	500000	4,069.90	1,757.80	3.41	0	0	0	41,747.20	2.75	12,469.00	2.9
PCB (ug/kg)	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
PESTICIDES (ug/kg)											
4,4'-DDD	2900	< 0.414 U	< 0.473 U	< 0.402 U	< 0.374 U	< 0.402 U	< 0.381 U	2.32 J	< 0.356 U	4.57 J	< 0.451 U
4,4'-DDE	2100	< 0.412 U	< 0.0473 U	< 0.4 U	< 0.372 U	< 0.4 U	< 0.378 U	< 0.337 U	< 0.354 U	7.66 J	< 0.448 U
4,4'-DDT	2100	< 0.379 U	< 0.436 U	< 0.368 U	< 0.343 U	< 0.368 U	< 0.349 U	13.4 J	< 0.326 U	25.2	< 0.413 U
ALDRIN	41	< 0.149 U	< 0.171 U	< 0.145 U	< 0.135 U	< 0.145 U	< 0.137 U	< 0.122 U	< 0.128 U	0.939 J	< 0.162 U
ALPHA-CHLORDANE	540	< 0.27 U	< 0.31 U	< 0.262 U	< 2.44 U	< 2.62 U	< 2.48 U	< 0.221 U	< 0.232 U	18.3 J	< 0.294 U
CHLORDANE	540	< 0.991	< 1.14 U	< 0.963	< 0.895 U	< 0.962 U	< 0.911 U	< 0.064 U	< 0.852	< 1.15	< 1.08
DIELDRIN	44	< 0.269 U	< 0.309 U	< 0.261 U	< 0.243 U	< 0.261 U	< 0.247 U	< 0.22 U	< 0.231 U	2.34 J	< 0.292 U
GAMMA-CHLORDANE	540	< 0.672 U	< 0.771 U	< 0.652 U	< 0.606 U	< 0.652 U	< 0.617 U	< 0.549 U	< 0.578 U	11.8 J	< 0.731 U
HERBICIDES (ug/kg)	-	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SOLIDS (%)	-	91.1	90.2	93	90.8	92.5	91.8	91.8	89.5	89	88.5

NOTES:
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TABLE 2
SUMMARY OF DETECTED METALS IN SOIL SAMPLES
86 FLEET PLACE
LANGAN PROJECT NO. 5762902

Sample ID Sample Date Action Level Unit	NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVE	LEG-19 (MW)-0-2 9/12/2007 mg/kg	LEG-19 (MW)-24-26 9/12/2007 mg/kg	Dup 3 (24-26) 9/12/2007 mg/kg	LEG 20-0-14 3/28/2007 mg/kg	LEG 20-22-24 3/28/2007 mg/kg	LEG 21b-0-2 9/7/2007 mg/kg	LEG 21b-22-24 9/7/2007 mg/kg	LEG-21C-(0-2) 9/13/2007 mg/kg	LEG-21C-(22-24) 9/13/2007 mg/kg	LEG 22-0-8 3/21/2007 mg/kg	LEG 22A-0-6 4/3/2007 mg/kg	LEG 22A-22-24 4/3/2007 mg/kg
METALS (mg/kg)													
ALUMINUM (FUME OR DUST)	33000	7080	3520	3610	3990	2410	5750	3700	7420	3810	4790	5830	2760
ANTIMONY	-	0.426 J	< 0.38 U	< 0.323 U	0.776	0.405	0.628 J	0.924 J	0.458 J	0.459 J	0.638	0.648	0.329
ARSENIC	7.5	2.87	0.876 J	0.837 J	1.73	1.18	3.88 J	2.03 J	2.96	1.08 J	2.68	3.4	0.833
BARIUM	300	64.8	27.8	27.7	40.7	22.1	56.1	27.8	73.3	28.3	90.5	53.8	33.3
BERYLLIUM	0.16	**0.349** J	**0.167** J	**0.213** J	**0.297**	**0.189**	**0.374** J	**0.211** J	**0.325** J	**0.217** J	**0.224**	**0.449**	**0.35**
CADMIUM	1	0.469 J	0.182 J	0.168 J	0.11	< 0.0263 U	0.27 J	0.177 J	0.444 J	0.267 J	**1.6**	0.047	< 0.0257 U
CALCIUM METAL	35000	2630	6980	6620	10200	5100	2630	1460	3240	1320	7040	1710	5130
CHROMIUM (TOTAL)	10	**14**	7.4	6.8	**15.7**	5.86	**13**	**11.6**	**15.1**	**25.8**	**10.9**	**14.2**	8.18
COBALT	30	5.39	3.12	3.28	6.55	2.75	4.21	5.15	5.5	6.26	4.9	4.48	3.55
COPPER	25	**28.1**	11.7	9.16	7.51	4.8	21.7	10.9	23.4	12.9	23.9	17.1	4.85
IRON	2000	**11900**	**6720**	**5710**	**8740**	**5470**	**10200**	**8990**	**12800**	**9110**	**16100**	**9440**	**6030**
LEAD	500	52.9	3.66	3.25	5.01	1.99	93.9	4.17	92.2	5.13	157	64.3	2.76
MAGNESIUM	5000	3180	2650	2360	**11500**	3150	1950	**6090**	2300	**8430**	4930	2970	4760
MANGANESE	5000	550	279	262	248	155	219	214	256	243	273	180	201
NICKEL	13	**26.7**	7.34	**14**	**83.8**	**19.5**	**13.3**	**47.7**	12.6	**76.2**	**23.7**	**21.8**	**36.7**
POTASSIUM	43000	1150	770	595	1580	434	954	1550	1010	727	977	1430	573
SELENIUM	2	1.7	0.464 J	0.615 J	< 0.655 U	< 0.626 U	0.534 J	< 0.309 U	1.55	0.573 J	< 0.607 U	< 0.622 U	< 0.612 U
SILVER	-	< 0.382 U	< 0.365 U	< 0.31 U	< 0.875 U	< 0.836 U	0.752 J	0.804 J	< 0.334 U	< 0.346 U	< 0.811 U	< 0.831 U	< 0.818 U
SODIUM	8000	177	129	131	177	104	443	175	107	162	263	123	87
THALLIUM	-	< 0.512 U	< 0.489 U	< 0.415 U	< 0.275 U	< 0.263 U	< 0.487 U	< 0.449 U	< 0.448 U	< 0.463 U	< 0.255 U	< 0.261 U	< 0.257 U
VANADIUM (FUME OR DUST)	300	23.2	14	9.03	14.3	8.13	17.9	14.2	21.7	11.8	15.9	17.4	6.85
ZINC	50	**63.9**	16.6	12.5	26.3	10.7	**56.1**	20.5	**70.4**	23.4	**379**	44.8	13.9
MERCURY	0.1	**0.182**	< 0.0074 U	< 0.0074 U	0.0556	< 0.007 U	**0.167**	< 0.0073 U	**0.41**	< 0.0078 U	0.0822	**0.285**	< 0.0064 U

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TABLE 2
SUMMARY OF DETECTED METALS IN SOIL SAMPLES
86 FLEET PLACE
LANGAN PROJECT NO. 5762902

Sample ID Sample Date Action Level Unit	NYSDEC TAGM RECOMMENDED SOIL CLEANUP OBJECTIVE	LEG 23-0-2 4/23/2007 mg/kg	DUP-1 4/23/2007 mg/kg	LEG 23-20-25 4/23/2007 mg/kg	LEG-23a (0-2) 9/14/2007 mg/kg	LEG-23a (20-22) 9/14/2007 mg/kg	Dup-2 9/14/2007 mg/kg	LEG 24-0-2 4/26/2007 mg/kg	LEG 24-28-30 4/30/2007 mg/kg	LEG 25-0-4 4/25/2007 mg/kg	LEG 25-27-30 4/25/2007 mg/kg
METALS (mg/kg)											
ALUMINUM (FUME OR DUST)	33000	5090	5720	4100	6770	4430	5710	5230	4170	7900	5360
ANTIMONY	-	0.65	0.572 J	0.468	< 0.382 U	< 0.358 U	< 0.363 U	0.507 J	0.391	0.697	0.582
ARSENIC	7.5	1.69	2.44	1.29	5.2	1.66	1.43 J	**11**	2.12	**8.9**	2.1
BARIUM	300	42.8	33.9	37	53.8	32	35.1	**381**	34.5	**645**	45.5
BERYLLIUM	0.16	**0.197**	**0.251** J	**0.202**	**0.324** J	**0.226** J	**0.328** J	**0.328** J	**0.174**	**0.337**	**0.239**
CADMIUM	1	0.0983	0.0962 J	0.112	0.361 J	0.206 J	0.318 J	0.899	0.066	0.796	0.0448
CALCIUM METAL	35000	8940	7660	3120	8650	5530	5710	14500	7050	31200	2740
CHROMIUM (TOTAL)	10	9.61	**16.7**	**13.1**	**14.7**	**11.6**	**19.9**	**18.2** J	**30.7**	**22.1**	**25.4**
COBALT	30	4.48	4.11	3.88	7.02	5.31	7.63	5.24	9.25	5.57	8.1
COPPER	25	14.1	15.4	12.5	**32.4**	8.4	14.3	**73.6**	16.4	**115**	16
IRON	2000	**8590**	**12600**	**9510**	**11300**	**8610**	**11400**	**10900**	**9940**	**15900**	**11200**
LEAD	500	19.4	21	4.14	127	6.12	5.62	**705**	10.7	**1740**	7.76
MAGNESIUM	5000	3410	2470	3170	4330	**5790**	**12600**	**7490**	**19200**	**9060**	**15100**
MANGANESE	5000	283	212	237	303	216	312	186	207	214	189
NICKEL	13	**17.8**	**19.8**	**20.6**	**37.3**	**34.9**	**82.6**	**25**	**155**	**25.5**	**122**
POTASSIUM	43000	1040	1100	944	1330	1260	1040	785	961	1130	1390
SELENIUM	2	< 0.353 U	< 0.345 U	< 0.344 U	1.56 J	0.937 J	1.23 J	0.646 J	< 0.304 U	0.614	< 0.322 U
SILVER	-	< 0.382 U	< 0.374 U	< 0.372 U	< 0.366 U	< 0.343 U	< 0.348 U	14.4	0.617	1.06	0.498
SODIUM	8000	238	283	276	525	166	238	326	217	468	660
THALLIUM	-	< 0.512 U	< 0.501 U	< 0.499 U	< 0.491 U	< 0.46 U	< 0.466 U	< 0.466 U	< 0.442 U	< 0.519 U	< 0.467 U
VANADIUM (FUME OR DUST)	300	15	23.4	14.2	22.3	16.4	17.5	25.3	15.5	29	16.1
ZINC	50	29.3	30.3	24.3	**88.9**	21.9	34.7	**265**	25.7	**666**	18.6
MERCURY	0.1	0.0521	0.0744	< 0.0077 U	**0.28**	< 0.0077 U	< 0.0076 U	**1.76**	< 0.0079 U	**1.02**	< 0.0079 U

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2) NYSDEC TAGM exceedances are highlighted and in **BOLD**.

QUALIFIERS:
U = Analyte was not detected at or above the reporting limit.
J = Result is an estimated value below the reporting limit or a tentatively identified compound (TIC) detected.

TABLE 3
SUMMARY OF TCLP AND RCRA CHARACTERISTICS IN SOIL SAMPLES
86 FLEET PLACE
LANGAN PROJECT NO. 5762902

Sample ID Lab Sample ID Sample Date	Hazardous Waste Regulatory Levels for Toxicity Characteristic	LEG-19 (MW)-24-26 SA68097-02 9/12/2007	LEG-19 (MW)-WC SA68097-03 9/12/2007	LEG 21b-22-24 SA67825-02 9/7/2007	LEG 21b-WC1 SA67825-03 9/7/2007	LEG-21C-(22-24) SA68097-06 9/13/2007	LEG-21C-WC SA68097-07 9/13/2007	LEG23-0-25 SA61010-04 4/23/2007	LEG-23a (20-22) SA68202-02 9/14/2007	LEG-23a-WC SA68202-03 9/14/2007	LEG 24-0-2 SA61260-01 4/26/2007	LEG-24-28-30 SA61413-01 4/30/2007
TCLP VOC (µg/l)												
Tetrachloroethene	700	< 2.6 U	NA	< 2.6 U	NA	< 2.6 U	NA	< 2.55 U	< 2.6 U	3.4 J	< 2.55 U	< 2.55 U
TCLP SVOC (µg/l)	-	NA	ND	NA	ND	NA	ND	ND	NA	ND	ND	ND
TCLP HERBICIDES (µg/l)	-	NA	ND	NA	ND	NA	ND	ND	NA	ND	ND	ND
TCLP PESTICIDES (µg/l)												
Dieldrin	-	NA	< 0.016 U	NA	0.06 J	NA	< 0.016 U	< 0.016 U	NA	< 0.016 U	< 0.016 U	< 0.016 U
TCLP METALS (mg/l)												
Arsenic	5	NA	< 0.005 U	NA	< 0.005 U	NA	< 0.005 U	< 0.0025 U	NA	0.0072 J	< 0.0025 U	< 0.0025 U
Barium	100	NA	0.616	NA	0.439	NA	0.545	0.477	NA	0.463	0.95	0.499
Cadmium	1	NA	0.002 J	NA	0.0027 J	NA	0.0013 J	0.0002 J	NA	0.001 J	0.0042	< 0.0002 U
Chromium	5	NA	< 0.005 U	NA	0.0166 J	NA	0.0098 J	0.0056 J	NA	0.0079 J	0.0059	0.0106
Lead	5	NA	0.1	NA	0.065	NA	0.0575	0.0038 J	NA	0.341	0.944	0.0171 J
Selenium	1	NA	< 0.01 U	NA	< 0.01 U	NA	< 0.01 U	< 0.005 U	NA	< 0.01 U	0.0072 J	< 0.005 U
Silver	5	NA	< 0.004 U	NA	< 0.004 U	NA	< 0.004 U	< 0.002 U	NA	< 0.004 U	< 0.002 U	0.0038 J
RCRA CHARACTERISTICS												
REACTIVE CYANIDE (mg/kg)	250	NA	< 2.5 U	NA	< 2.5 U	NA	< 2.49 U	< 2.5 U	NA	< 2.5 U	< 0.633 U	< 2.48 U
REACTIVITY	-	NA	Negative	NA	Negative	NA	Negative	Negative	NA	Negative	Negative	Negative
REACTIVE SULFIDE (mg/kg)	500	NA	9.13 J	NA	14 J	NA	< 4.98 U	< 4.99 U	NA	< 4.99 U	< 4.97 U	< 4.95 U
IGNITABILITY	Pos/Neg	NA	Negative	NA	Negative	NA	Negative	Negative	NA	Negative	Negative	NA
pH (pH Units)	2<pH<12.5	NA	8.38	NA	9.81 pHHT	NA	8.49	9.25	NA	8.87 pHHT	8.02	8.65

NOTES:
RCRA = Resource Conservation and Recovery Act.

QUALIFIERS:
U = Analyte was not detected at or above the reporting limit.
J = Result is an estimated value below the reporting limit or a tentatively identified compound (TIC) detected.
NA = Not Analyzed.
ND = Not Detected.
pHHT = A hold time of 24-hours has been set to expedite the analyses through the laboratory. However, the hold time for pH is not specified within the method other than to state that the samples should be analyzed as soon as possible.

TABLE 4
SUMMARY OF GROUNDWATER
SAMPLE ANALYTICAL RESULTS
86 FLEET PLACE
LANGAN PROJECT NO. 5762902

Sample ID Sample Date	NYSDEC TOGS Ambient Groundwater	LEG-19 9/17/2007	LEG20-042607 4/26/2007	LEG-21c 9/27/2007	LEG22-042607 4/26/2007	LEG23-GW 4/23/2007	LEG-23A 9/27/2007	FB (Field Blank) 9/17/2007	FB (Field Blank) 9/27/2007	TB (Trip Blank) 9/17/2007	TP-042607 4/26/2007	TB 4/23/2007	TB (Trip Blank) 9/27/2007
VOC (ug/l)													
ACETONE	50	< 2.6 U	< 2.6 U	39 J	< 2.6 U	< 2.6 U	< 12.8 U	< 2.6 U	< 2.6 U	< 2.6 U	< 2.6 U	< 2.6 U	< 2.6 U
CHLOROFORM	7	4.5	< 0.8 U	**7.6**	< 0.8 U	3.4	< 4 U	< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U	< 0.8 U
CIS-1,2-DICHLOROETHENE	5	1.6	NA	< 2 U	NA	NA	**72.3**	< 0.4 U	< 0.4 U	< 0.4 U	NA	NA	< 0.4 U
TETRACHLOROETHENE	5	**44.5**	2.4	**10.8**	2.3	**81.3**	**224**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
TRICHLOROETHYLENE	5	0.6 J	< 0.5 U	< 2.3 U	< 0.5 U	**6.6**	**17.7**	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U	< 0.5 U
SVOC (ug/l)	-	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
PCB (ug/l)	-	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	NA
PESTICIDES (ug/l)		ND	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
HERBICIDES (ug/l)		ND	NA	ND	NA	NA	ND	NA	NA	NA	NA	NA	NA
METALS (mg/l)													
ALUMINUM	-	0.806	0.328	< 0.0055 U	0.239	4.11	< 0.0055 U	0.0182	0.0235	NA	NA	NA	NA
ANTIMONY	0.003	< 0.0035 U	**0.0048** J	< 0.0035 U	**0.0045** J	< 0.0035 U	< 0.0035 U	< 0.0035 U	< 0.0035 U	NA	NA	NA	NA
ARSENIC	0.025	< 0.0025 U	< 0.0025 U	**0.0038** J	< 0.0025 U	< 0.0025 U	**0.0031** J	< 0.0025 U	**0.0037** J	NA	NA	NA	NA
BARIUM	1	0.179	0.119	0.162	0.144	0.154	0.308	< 0.002 U	< 0.002 U	NA	NA	NA	NA
BERYLLIUM	0.003	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	< 0.001 U	NA	NA	NA	NA
CADMIUM	0.005	0.0003 J	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	< 0.0002 U	NA	NA	NA	NA
CALCIUM	-	154	97	98.8	93.8	102	156	0.434	0.0472 J	NA	NA	NA	NA
CHROMIUM (TOTAL)	0.05	0.0049 J	0.0036 J	0.0034 J	0.0034 J	0.0154	0.0038 J	< 0.0025 U	< 0.0025 U	NA	NA	NA	NA
COBALT	-	0.003 J	< 0.0015 U	0.0154	< 0.0015 U	0.0048 J	0.0118	< 0.0015 U	< 0.0015 U	NA	NA	NA	NA
COPPER	0.2	0.0098	0.0044 J	< 0.0015 U	0.0044 J	0.0134	< 0.0015 U	0.0022 J	< 0.0015 U	NA	NA	NA	NA
IRON	0.3	**0.813**	**0.523**	0.236	**0.429**	**8.7**	**6.06**	**0.035**	0.0246	NA	NA	NA	NA
LEAD	0.025	< 0.0025 U	0.0028 J	< 0.0025 U	0.0039 J	0.0102	< 0.0025 U	< 0.0025 U	< 0.0025 U	NA	NA	NA	NA
MAGNESIUM	35	**37.2**	23.8	20.5	25.5	34.5	29.2	0.0241	0.0048 J	NA	NA	NA	NA
MANGANESE	0.3	**0.951**	0.289	**11.3**	0.209	**0.534**	**12.1**	0.0026 J	< 0.0005 U	NA	NA	NA	NA
NICKEL	0.1	0.0118	0.0118	0.066	0.0066	0.0162	0.0702	0.0006 J	< 0.0005 U	NA	NA	NA	NA
POTASSIUM	-	12.6	9.52	7.08	11.8	10.6	19.9	0.656	< 0.142 U	NA	NA	NA	NA
SELENIUM	0.01	0.0082 J	0.0087 J	< 0.005 U	0.0086 J	< 0.005 U	< 0.005 U	< 0.005 U	< 0.005 U	NA	NA	NA	NA
SILVER	0.05	< 0.002 U	< 0.002 U	< 0.002 U	< 0.002 U	0.0026 J	< 0.002 U	< 0.002 U	0.0022 J	NA	NA	NA	NA
SODIUM	20	**47.3**	**44.4**	**82**	**57.6**	**52.5**	**125**	0.806	0.112 J	NA	NA	NA	NA
THALLIUM	0.0005	**0.0025** J	**0.0019** J	**0.0146**	< 0.0015 U	< 0.0015 U	**0.0166**	< 0.0015 U	< 0.0015 U	NA	NA	NA	NA
VANADIUM	-	0.0059	< 0.0035 U	< 0.0035 U	< 0.0035 U	0.0123	< 0.0035 U	0.0046 J	< 0.0035 U	NA	NA	NA	NA
ZINC	2	0.0134 J	0.0137 J	0.0603	0.0084 J	0.0417	0.0408	0.0287	0.002 J	NA	NA	NA	NA
MERCURY	0.0007	< 0.00008 U	< 0.00008 U	< 0.00008 U	< 0.00008 U	< 0.00008 U	< 0.00008 U	< 0.00008 U	< 0.00008 U	NA	NA	NA	NA

NOTES:
1) NYSDEC Ambient Groundwater Standards
2) NYSDEC TOGS exceedances are highlighted in **BOLD**.

QUALIFIERS:
U = Analyte was not detected at or above the reporting limit.
ND = Not Detected.
J = Result is an estimated value below the reporting limit or a tentatively identified compound (TIC) detected.
NA = Not Analyzed

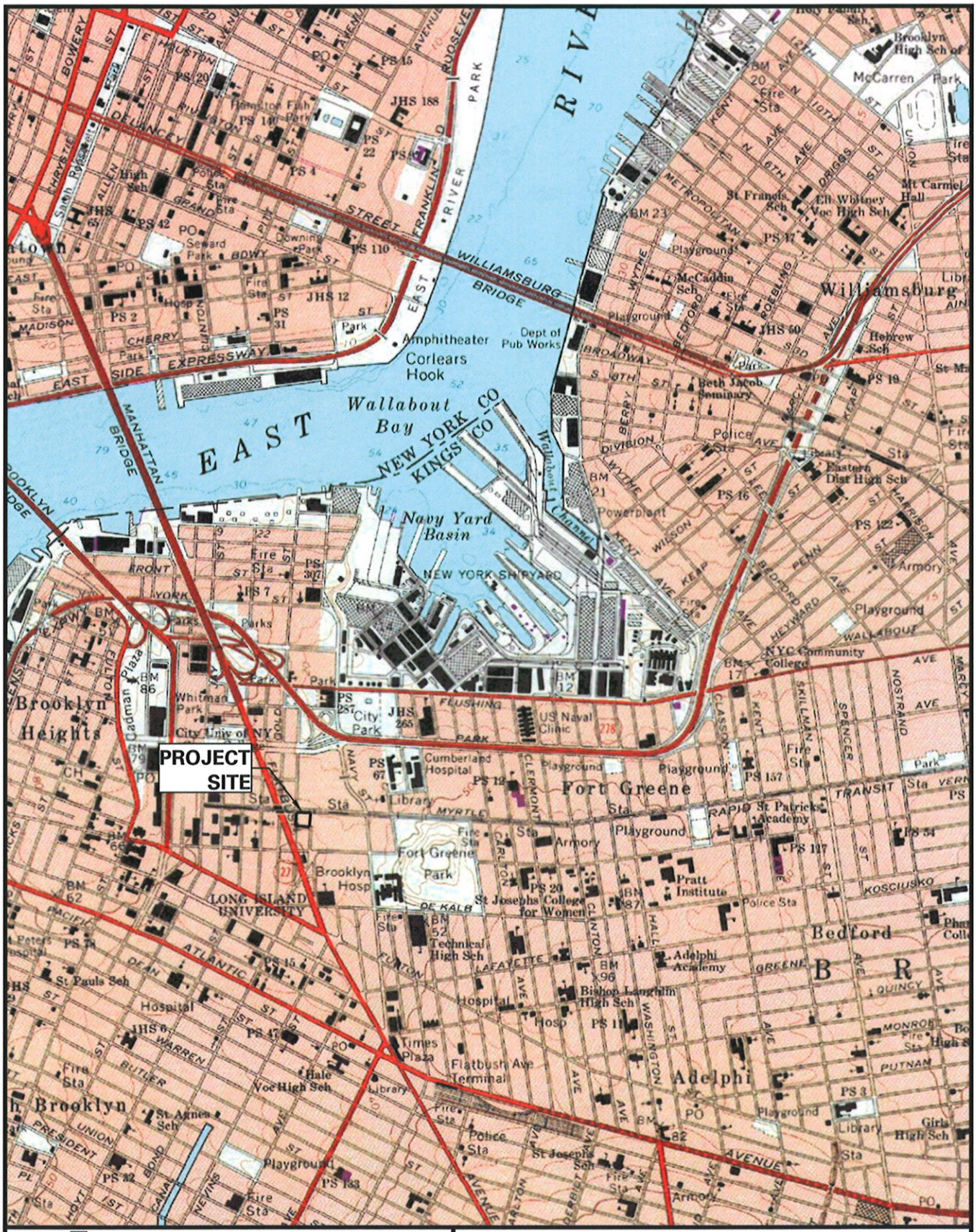
TABLE 5
SUMMARY OF SOIL VAPOR SAMPLE ANALYTICAL RESULTS
86 FLEET PLACE
LANGAN PROJECT NO. 5762902

Sample ID	SV-22-061207	SV-24-042607	SV-30-042607	AMB-042607	SV-A-061307	SV-Ai-061307	SV-AO-061207	SV-B-061307	SV-C-061207	SV-E-061207	SV-F-061207	SV-G-061207
Sample Date	6/12/2007	4/23/2007	4/23/2007	4/23/2007	6/13/2007	6/13/2007	6/12/2007	6/13/2007	6/12/2007	6/12/2007	6/12/2007	6/12/2007
Sample Type	Soil Gas	Sub-Slab	Sub-Slab	Ambient Indoor	Sub-Slab	Ambient Indoor	Ambient Outdoor	Sub-Slab	Soil Gas	Soil Gas	Soil Gas	Soil Gas
Units	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3
1,1,1-TRICHLOROETHANE	< 54.6 U	4	< 13.6 UD[5]	< 13.6 UD[5]	< 5.5 U	< 27.3 U	< 5.5 U	< 13.6 U	< 2.7 U	< 2.7 U	< 2.7 U	< 10.9 U
1,2,4-TRIMETHYLBENZENE	< 49.2 U	16.3	< 12.3 UD[5]	16.5 D[5]	3.4 J	< 24.6 U	3.6 J	< 12.3 U	10.2	8.7	9.5	13
1,3,5-TRIMETHYLBENZENE	< 49.2 U	6.8	< 12.3 UD[5]	7.6 JD[5]	< 4.9 U	< 24.6 U	< 4.9 U	< 12.3 U	2.8	2.4	2.7	6.7 J
1,4-DICHLOROBENZENE	< 60.1 U	< 3 U	< 15 UD[5]	< 15 JD[5]	< 6 U	< 30.1 U	< 6 U	< 15 U	4.5	4.1	4	< 12 U
2-BUTANONE (MEK)	596	2.3	< 7.4 UD[5]	5.3 JD[5]	4.7	< 14.7 U	4.4	< 7.4 U	< 1.5 U	< 1.5 U	5.7	5.5 J
2-HEXANONE (MBK)	186	< 2 U	< 10.2 UD[5]	< 10.2 U	2.5 J	< 20.5 U	2.6 J	< 10.2 U	< 2.1 U	< 2.1 U	1.3 J	< 8.2 U
4-ETHYLTOLUENE	< 49.2 U	3.6	< 12.3 UD[5]	< 12.3 UD[5]	< 4.9 U	< 24.6 U	< 4.9 U	< 12.3 U	3.2	2.3 J	2.7	13.2
ACETONE	2540	< 1.2 U	46.8 D[5]	< 5.9 UD[5]	25.2	159	19.4	< 5.9 U	11.1	4.8	23.5	45.4
BENZENE	< 31.9 U	10.1	< 8 UD[5]	12.4 D[5]	< 3.2 U	< 16 U	< 3.2 U	8.3	< 1.6 U	< 1.6 U	< 1.6 U	< 6.4 U
CARBON DISULFIDE	< 31.1 U	162	< 7.8 UD[5]	199.8 D[5]	2.1 J	< 15.6 U	< 3.1 U	76.9	1.5 J	< 1.6 U	2.2	28.4
CHLOROBENZENE	< 46.1 U	< 2.3 U	< 11.5 UD[5]	< 11.5 D[5]	< 4.6 U	< 23 U	< 4.6 U	10.1 J	< 2.3 U	< 2.3 U	< 2.3 U	7.7 J
CHLOROETHANE	26.4 U	< 1.3 U	< 6.6 UD[5]	< 6.6 D[5]	< 2.6 U	< 13.2 U	< 2.6 U	< 6.6 U	< 1.3 U	< 1.3 U	< 1.3 U	7.9
CHLOROFORM	< 48.7 U	86.1	< 12.2 UD[5]	52.6 D[5]	35.6	< 24.3 U	< 4.9 U	25.6	17.3	21.1	< 2.4 U	900
CHLOROMETHANE	< 20.7 U	0.8 J	< 5.2 UD[5]	< 5.2 UD[5]	< 2.1 U	< 10.3 U	< 2.1 U	3.5 J	< 1 U	< 1 U	< 1 U	< 4.1 U
CYCLOHEXANE	< 34.4 U	4.7	< 8.6 UD[5]	25.1 D[5]	2.6 J	< 17.2 U	< 3.4 U	8.4 J	< 1.7 U	< 1.7 U	< 1.7 U	5.1 J
DICHLORODIFLUOROMETHANE (FREON 12)	71.2	9.6	< 12.4 UD[5]	9.4 JD[5]	66.3	< 24.7 U	< 4.9 U	19	< 2.5 U	2.2 J	6.2	135
ETHANOL	339	6.9	554 D[5]	< 4.7 UD[5]	52.2	1200	24.7	56.9	< 0.9 U	< 0.9 U	< 0.9 U	< 3.8 U
ETHYL ACETATE	< 36 U	< 1.8 U	13 D[5]	< 9 UD[5]	9.2	30.6	< 3.6 U	< 9 U	< 1.8 U	< 1.8 U	< 1.8 U	< 7.2 U
ETHYLBENZENE	< 43.4 U	10.2	< 10.8 UD[5]	10.4 JD[5]	5.6	< 21.7 U	5	8.9 J	3.3	3	3.6	7.3 J
HEXANE	< 35.3 U	5.8	< 8.8 UD[5]	105.1 D[5]	< 3.5 U	< 17.6 U	< 3.5 U	17.6	< 1.8 U	< 1.8 U	< 1.8 U	< 7.1 U
ISOPROPYL ALCOHOL	105	< 1.2 U	422 D[5]	< 6.1 UD[5]	< 2.5 U	221	3.2	8.3	< 1.2 U	< 1.2 U	< 1.2 U	< 4.9 U
m,p-XYLENE	< 86.7 U	33	< 21.7 UD[5]	31.4 D[5]	8.2 J	< 43.4 U	8.2 J	12.8 J	12	10.1	12.2	36.9
METHYL TERT-BUTYL ETHER	< 36.1 U	< 1.8 U	< 9 UD[5]	< 9 D[5]	< 3.6 U	< 18 U	< 3.6 U	6 J	< 1.8 U	< 1.8 U	< 1.8 U	< 7.2 U
METHYLENE CHLORIDE	< 34.7 U	11.5	< 8.7 UD[5]	19.8 D[5]	< 3.5 U	< 17.4 U	3.5	< 8.7 U	< 1.7 U	< 1.7 U	< 1.7 U	< 6.9 U
n-HEPTANE	< 41 U	3.8	< 10.2 UD[5]	45.9 D[5]	2.6 J	< 20.5 U	< 4.1 U	< 10.2 U	< 2.1 U	< 2.1 U	< 2.1 U	< 8.2 U
o-XYLENE	< 43.4 U	11.9	< 10.8 UD[5]	10.8 D[5]	3.5 J	< 21.7 U	3.6 J	< 10.8 U	4.8	4	4.7	14.4
PROPENE	267	< 0.9 U	< 4.3 UD[5]	< 4.3 U	< 1.7 U	< 8.6 U	3.4	< 4.3 U	< 0.9 U	< 0.9 U	1.3	17.6
STYRENE	< 42.5 U	3.2	< 10.6 UD[5]	< 10.6 UD[5]	4.7	< 21.3 U	4.9	6.8 J	5.5	4.9	5.6	< 8.5 U
TETRACHLOROETHENE	165	652	< 17 UD[5]	246.2 D[5]	140	< 33.9 U	< 6.8 U	21.7	281	421	179	104
TETRAHYDROFURAN	< 29.5 U	< 1.5 U	< 7.4 U	< 7.4 D[5]	< 3 U	< 14.7 U	< 3 U	6.9 J	< 1.5 U	< 1.5 U	< 1.5 U	< 5.9 U
TOLUENE	76.8	54.6	15.1 D[5]	55.3 D[5]	56.1	46.7	36	79.4	20.8	12.8	14.3	26.3
TRICHLOROETHENE	< 53.7 U	1.8 J	< 13.4 UD[5]	< 13.4 UD[5]	8.8	< 26.9 U	< 5.4 U	8.6 J	3.3	< 2.7 U	< 2.7 U	< 10.7 U
TRICHLOROFLUOROMETHANE (FREON 11)	79.8	106	< 14 UD[5]	< 14 UD[5]	188	< 28.1 U	< 5.6 U	< 14 U	7	4.5	21.9	125

NOTES:
ug/m^3 = Micrograms per cubic meter

QUALIFIERS:
J = Result is an estimated value below the reporting limit or a tentatively identified compound (TIC) detected.
D# = Dilution Factor
U = Analyte was not detected at or above the reporting limit.

Figures



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Project

SITE LOCATION MAP

86 FLEET PLACE

BROOKLYN NY

Project No.	Date	Scale	Dwg. No.
5762902	08/30/07	NTS	1

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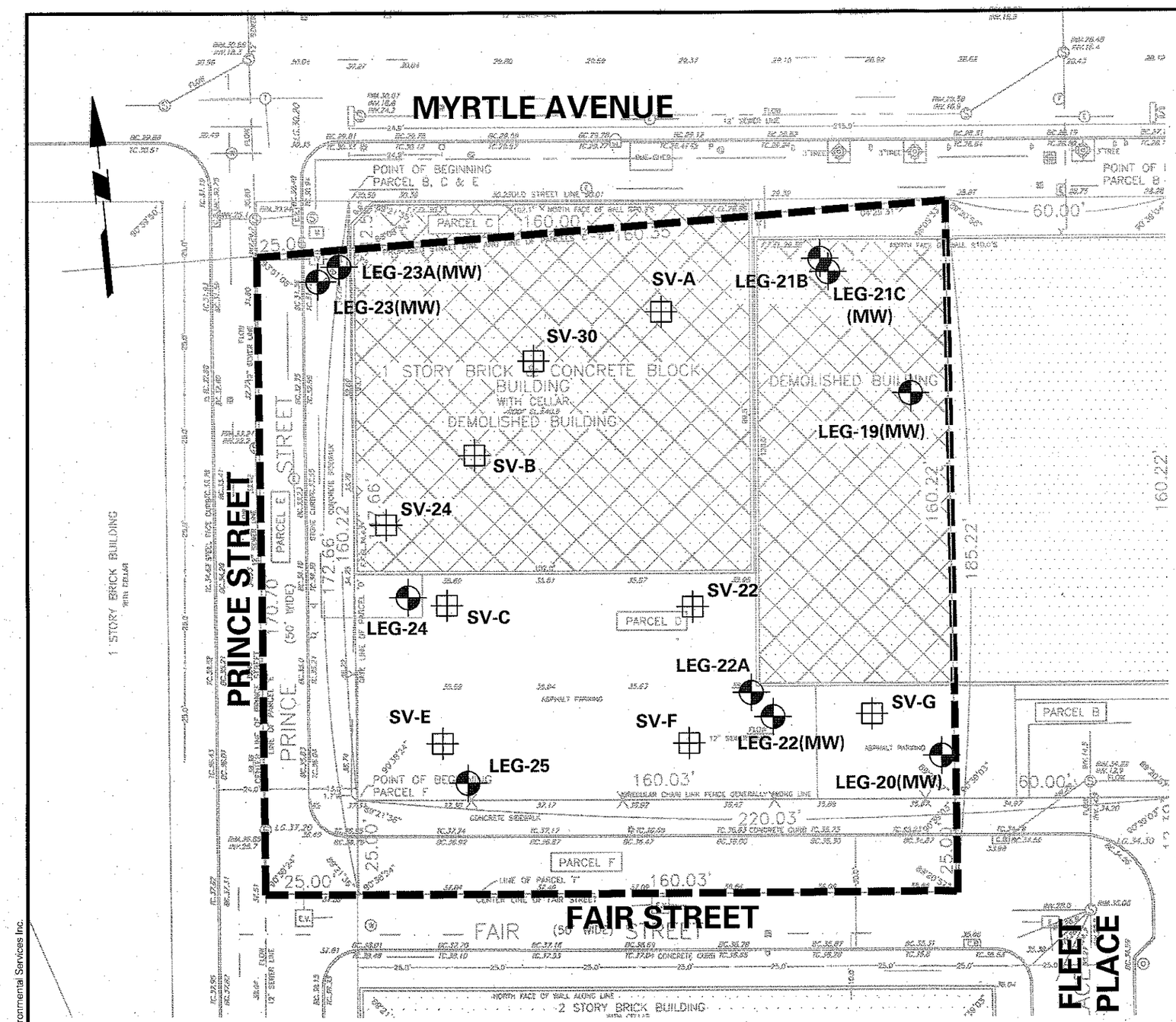
Filename: U:\Data9\5762902\Office Data\Reports\RAP for Tower\Figures\Fig1 SiteMap.dwg Date: 10/3/2007 Time: 16:02 User: vtiglao Style Table: Langan.stb Layout: A Size Sheet (Bottom)



LEGEND:

SITE BOUNDARY

LEG-# — APPROXIMATE LOCATION OF SOIL BORING

LEG-#(MW) — APPROXIMATE LOCATION OF MONITORING WELL

SV-#(OR LETTER) — APPROXIMATE LOCATION OF SUB-SLAB VAPOR OR SOIL GAS PROBE

NOTE:

BASE MAP BY GERALD T. O'BUCKLEY PROFESSIONAL LAND SURVEYORS (JUNE 2006)

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Project
SOIL BORING, MONITORING WELL, AND SOIL VAPOR LOCATION PLAN
86 FLEET PLACE

BROOKLYN NEW YORK

Project No.	Date	Scale	Fig. No.
5762902	10/02/07	1"=30'	2

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Sample No.	LEG 23-0-2
VOCs (ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	
CHRYSENE	419
BENZO(A)ANTHRACENE	343
BENZO(A)PYRENE	502
DIBENZ(A,H)ANTHRACENE	62.4
TOTAL SVOCs	4069.9
METALS (mg/kg)	
BERYLLIUM	0.197
IRON	8590
NICKEL	17.8

Sample No.	LEG 23-20-25
VOCs (ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	No TAGM Exceedances
METALS (mg/kg)	
BERYLLIUM	0.202
CHROMIUM	13.1
IRON	9510
NICKEL	20.6

Sample No.	LEG 23A-0-2
VOCs (ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	No TAGM Exceedances
METALS (mg/kg)	
BERYLLIUM	0.324
CHROMIUM	14.7
COPPER	32.4
IRON	11300
NICKEL	37.3
ZINC	88.9
MERCURY	0.28

Sample No.	LEG 23A-20-22
VOCs (ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	No TAGM Exceedances
METALS (mg/kg)	
BERYLLIUM	0.226
CHROMIUM	11.6
IRON	8610
MAGNESIUM	5790
NICKEL	34.9

Sample No.	LEG 21b-0-2
VOCs (ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	
BENZO(A)PYRENE	79.8
TOTAL SVOCs	949.8
METALS (mg/kg)	
BERYLLIUM	0.374
CHROMIUM	13
IRON	10200
NICKEL	13.3
ZINC	56.1
MERCURY	0.167

Sample No.	LEG 21b-22-24
VOCs (ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	No TAGM Exceedances
METALS (mg/kg)	
BERYLLIUM	0.211
CHROMIUM	11.6
IRON	8990
MAGNESIUM	6090
NICKEL	47.7

LEGEND:

SITE BOUNDARY

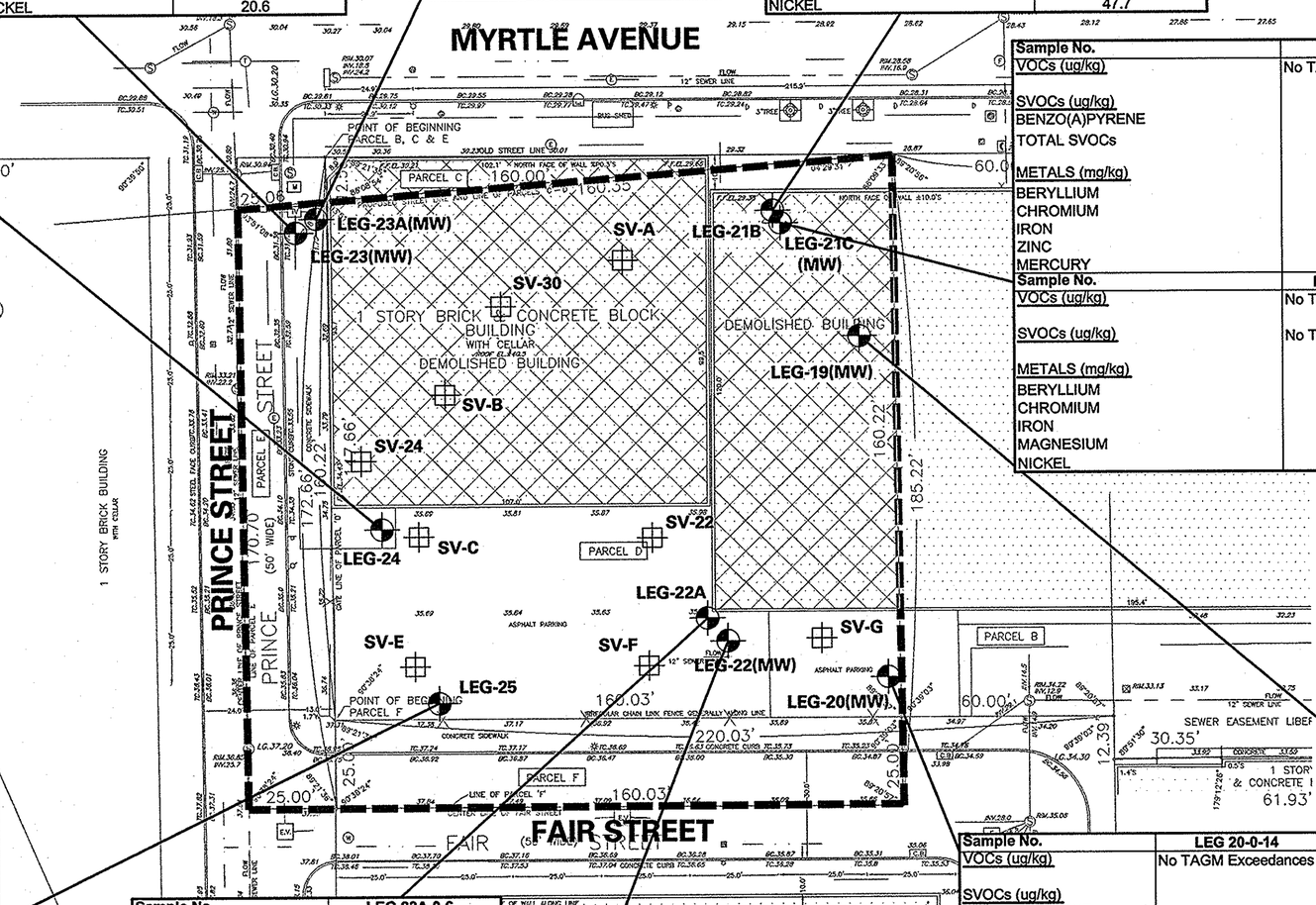
LEG-# APPROXIMATE LOCATION OF SOIL BORING

LEG-#(MW) APPROXIMATE LOCATION OF MONITORING WELL

SV-#(OR LETTER) APPROXIMATE LOCATION OF SUB-SLAB VAPOR OR SOIL GAS PROBE

NOTE:

BASE MAP BY GERALD T. O'BUCKLEY PROFESSIONAL LAND SURVEYORS (JUNE 2006)



Sample No.	LEG 21c-0-2
VOCs (ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	
BENZO(A)PYRENE	107
TOTAL SVOCs	1394.9
METALS (mg/kg)	
BERYLLIUM	0.325
CHROMIUM	15.1
IRON	12800
ZINC	70.4
MERCURY	0.41

Sample No.	LEG 21c-22-24
VOCs (ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	No TAGM Exceedances
METALS (mg/kg)	
BERYLLIUM	0.217
CHROMIUM	25.8
IRON	9110
MAGNESIUM	8430
NICKEL	76.2

NYSDEC TAGM 4046 RSCOS	
Compound	Standard
SVOCs (ug/kg)	
CHRYSENE	400
BENZO(A)ANTHRACENE	224
BENZO(A)PYRENE	61
BENZO(B)FLUORANTHENE	1100
BENZO(K)FLUORANTHENE	1100
DIBENZ(A,H)ANTHRACENE	14
TOTAL SVOCs	500000
METALS (mg/kg)	
ARSENIC	7.5
BERYLLIUM	0.16
BARIUM	300
CHROMIUM	10
CADMIUM	1
COPPER	25
IRON	2000
LEAD	500
MAGNESIUM	5000
NICKEL	13
ZINC	50
MERCURY	0.1

Sample No.	LEG 24-0-2
VOCs (ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	
CHRYSENE	4730
BENZO(A)ANTHRACENE	4740
BENZO(A)PYRENE	4140
BENZO(B)FLUORANTHENE	3290
BENZO(K)FLUORANTHENE	4090
DIBENZ(A,H)ANTHRACENE	47.2
TOTAL SVOCs	41747.2
METALS (mg/kg)	
ARSENIC	11
BARIUM	381
BERYLLIUM	0.328
CHROMIUM	18.2
COPPER	73.6
IRON	10900
LEAD	705
MAGNESIUM	7490
NICKEL	25
ZINC	265
MERCURY	1.76

Sample No.	LEG 24-28-30
VOCs(ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	No TAGM Exceedances
METALS (mg/kg)	
BERYLLIUM	0.174
CHROMIUM	30.7
IRON	9940
MAGNESIUM	19200
NICKEL	155

Sample No.	LEG 25-0-4
VOCs (ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	
CHRYSENE	1080
BENZO(A)ANTHRACENE	1060
BENZO(A)PYRENE	924
TOTAL SVOCs	12469
METALS (mg/kg)	
ARSENIC	8.9
BARIUM	645
BERYLLIUM	0.337
CHROMIUM	22.1
COPPER	115
IRON	15900
LEAD	1740
MAGNESIUM	9060
NICKEL	25.5
ZINC	666
MERCURY	1.02

Sample No.	LEG 25-27-30
VOCs (ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	No TAGM Exceedances
METALS (mg/kg)	
BERYLLIUM	0.239
CHROMIUM	25.4
IRON	11200
MAGNESIUM	15100
NICKEL	122

Sample No.	LEG 22A-0-6
VOCs (ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	
CHRYSENE	1020
BENZO(A)ANTHRACENE	1020
BENZO(A)PYRENE	812
TOTAL SVOCs	14191.9
METALS (mg/kg)	
BERYLLIUM	0.449
CHROMIUM	14.2
IRON	9440
MAGNESIUM	21.8
MERCURY	0.285

Sample No.	LEG 22A-22-24
VOCs (ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	No TAGM Exceedances
METALS (mg/kg)	
BERYLLIUM	0.35
IRON	6030
NICKEL	36.7

Sample No.	LEG 22-0-8
VOCs (ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	
CHRYSENE	422
BENZO(A)ANTHRACENE	376
BENZO(A)PYRENE	343
TOTAL SVOCs	4725
METALS (mg/kg)	
CADMIUM	1.6
BERYLLIUM	0.224
CHROMIUM	10.9
IRON	16100
ZINC	379

Sample No.	LEG 20-0-14
VOCs (ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	
BENZO(A)PYRENE	123
TOTAL SVOCs	1555.1
METALS (mg/kg)	
BERYLLIUM	0.297
CHROMIUM	15.7
IRON	8740
MAGNESIUM	11500
NICKEL	83.8

Sample No.	LEG 20-22-24
VOCs (ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	No TAGM Exceedances
METALS (mg/kg)	
BERYLLIUM	0.189
IRON	5470
NICKEL	19.5

Sample No.	LEG 19-0-2
VOCs (ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	
BENZO(A)PYRENE	64
TOTAL SVOCs	823.9
METALS (mg/kg)	
BERYLLIUM	0.349
CHROMIUM	14
COPPER	28.1
IRON	11900
ZINC	63.9
MERCURY	0.182
NICKEL	26.7

Sample No.	LEG 19-24-26
VOCs(ug/kg)	No TAGM Exceedances
SVOCs (ug/kg)	No TAGM Exceedances
METALS (mg/kg)	
BERYLLIUM	0.167
IRON	6720

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NJ Certificate of Authorization No: 24GA27996400

Project
SOIL SAMPLES EXCEEDING TAGM 4046 RSCOs
86 FLEET PLACE
BROOKLYN NEW YORK

Project No.	Date	Scale	Dwg. No.
5762902	10/02/07	1"=30'	3

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Filename: U:\Data9\5762902\Office Data\Reports\Phase II for Tower\Figures\Fig3 Soil Tag.dwg Date: 10/4/2007 Time: 19:35 User: vtigloo Style Table: Langan.stb Layout: C Size Sheet (Bottom)

Sample No.	LEG 23a-092707
VOCs (ug/l)	
CIS-1,2-DICHLOETHENE	72.3
TETRACHLOROETHENE	224
TRICHLOROETHYLENE	17.7
SVOCs (ug/l)	No AWQS Exceedances
METALS (mg/l)	
ARSENIC	0.0031
IRON	6.06
MANGANESE	12.1
THALLIUM	0.0166
SODIUM	125

Sample No.	LEG 21c-092707
VOCs (ug/l)	
ACETONE	39 (below AWQS)
CHLOROFORM	7.6
TETRACHLOROETHENE	10.8
TRICHLOROETHYLENE	<2.3 (below AWQS)
SVOCs (ug/l)	No AWQS Exceedances
METALS (mg/l)	
ARSENIC	0.0038
IRON	11.3
SODIUM	82
THALLIUM	0.0146

LEGEND:

SITE BOUNDARY

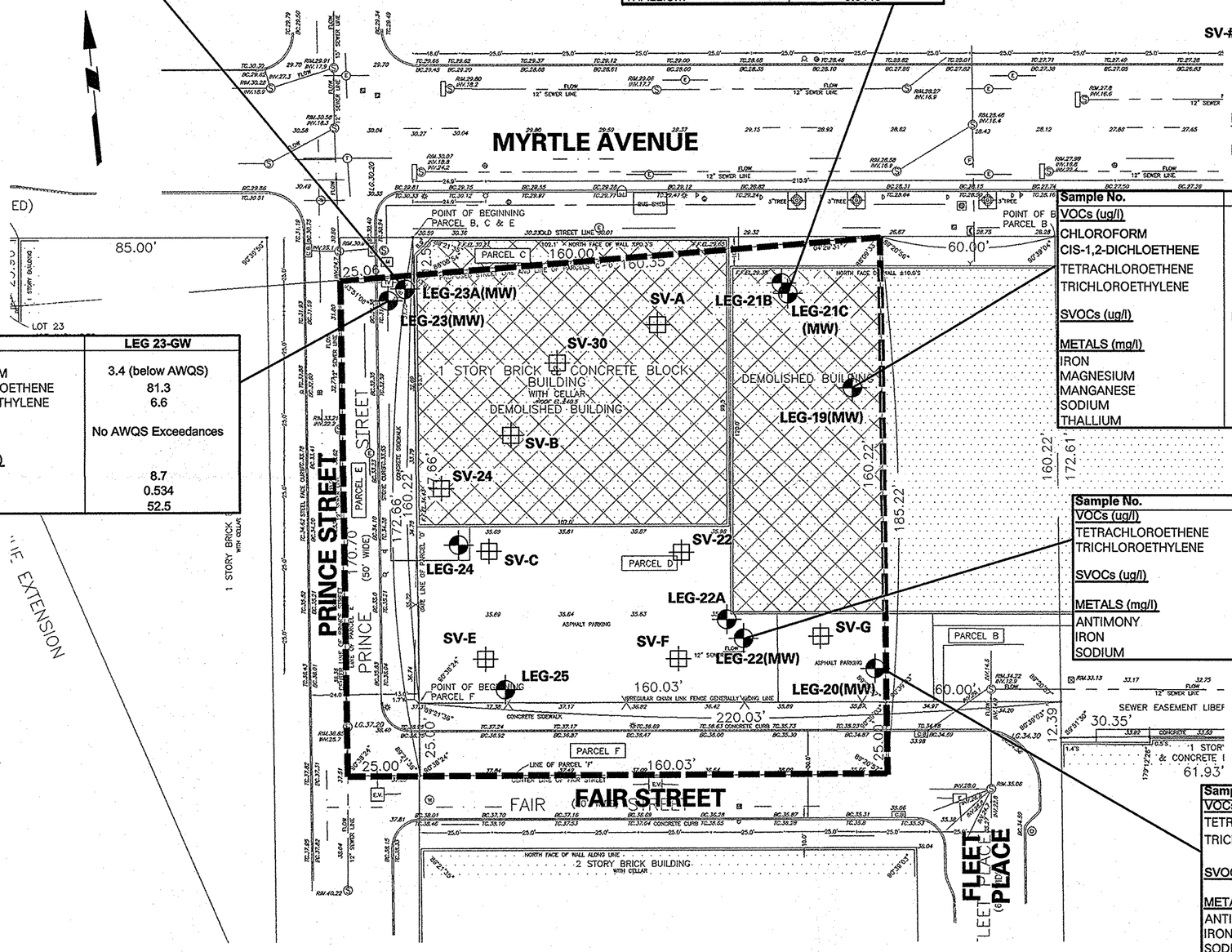
LEG-# — APPROXIMATE LOCATION OF SOIL BORING

LEG-#(MW) — APPROXIMATE LOCATION OF MONITORING WELL

SV-#(OR LETTER) — APPROXIMATE LOCATION OF SUB-SLAB VAPOR OR SOIL GAS PROBE

NOTE:

BASE MAP BY GERALD T. O'BUCKLEY PROFESSIONAL LAND SURVEYORS (JUNE 2006)



Sample No.	LEG 19-091707
VOCs (ug/l)	
CHLOROFORM	4.5 (below AWQS)
CIS-1,2-DICHLOETHENE	1.6 (below AWQS)
TETRACHLOROETHENE	44.5
TRICHLOROETHYLENE	<0.6 (below AWQS)
SVOCs (ug/l)	No AWQS Exceedances
METALS (mg/l)	
IRON	0.813
MAGNESIUM	37.2
MANGANESE	0.951
SODIUM	47.3
THALLIUM	0.0025

Sample No.	LEG 23-GW
VOCs (ug/l)	
CHLOROFORM	3.4 (below AWQS)
TETRACHLOROETHENE	81.3
TRICHLOROETHYLENE	6.6
SVOCs (ug/l)	No AWQS Exceedances
METALS (mg/l)	
IRON	8.7
MANGANESE	0.534
SODIUM	52.5

NYSDEC TOG AWQS	
Compound	Standard
VOCs (ug/l)	
ACETONE	50
CHLOROFORM	7
CIS-1,2-DICHLOETHENE	5
TETRACHLOROETHENE	5
TRICHLOROETHYLENE	5
METALS (mg/l)	
ARSENIC	0.025
ANTIMONY	0.003
IRON	0.3
MANGANESE	0.3
SODIUM	20
THALLIUM	0.0005

Sample No.	LEG 22-042607
VOCs (ug/l)	
TETRACHLOROETHENE	2.3 (below AWQS)
TRICHLOROETHYLENE	<0.5 (below AWQS)
SVOCs (ug/l)	No AWQS Exceedances
METALS (mg/l)	
ANTIMONY	0.0045
IRON	0.429
SODIUM	57.6

Sample No.	LEG 20-042607
VOCs (ug/l)	
TETRACHLOROETHENE	2.4 (below AWQS)
TRICHLOROETHYLENE	<0.5 (below AWQS)
SVOCs (ug/l)	No AWQS Exceedances
METALS (mg/l)	
ANTIMONY	0.0048
IRON	0.523
SODIUM	44.4
THALLIUM	0.0019

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Project
GROUNDWATER SAMPLES EXCEEDING NYSDEC TOGS AWQS
86 FLEET PLACE
BROOKLYN NEW YORK

Project No.	Date	Scale	Dwg. No.
5762902	10/02/07	1"=30'	4

Filename: U:\Data9\5762902\Office Data\Reports\Phase II for Tower\Figures\Fig4 GW Tog.dwg Date: 10/3/2007 Time: 15:53 User: vtglaa Style Table: Langan.stb Layout: C Size Sheet (Bottom)

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LEGEND:

SITE BOUNDARY

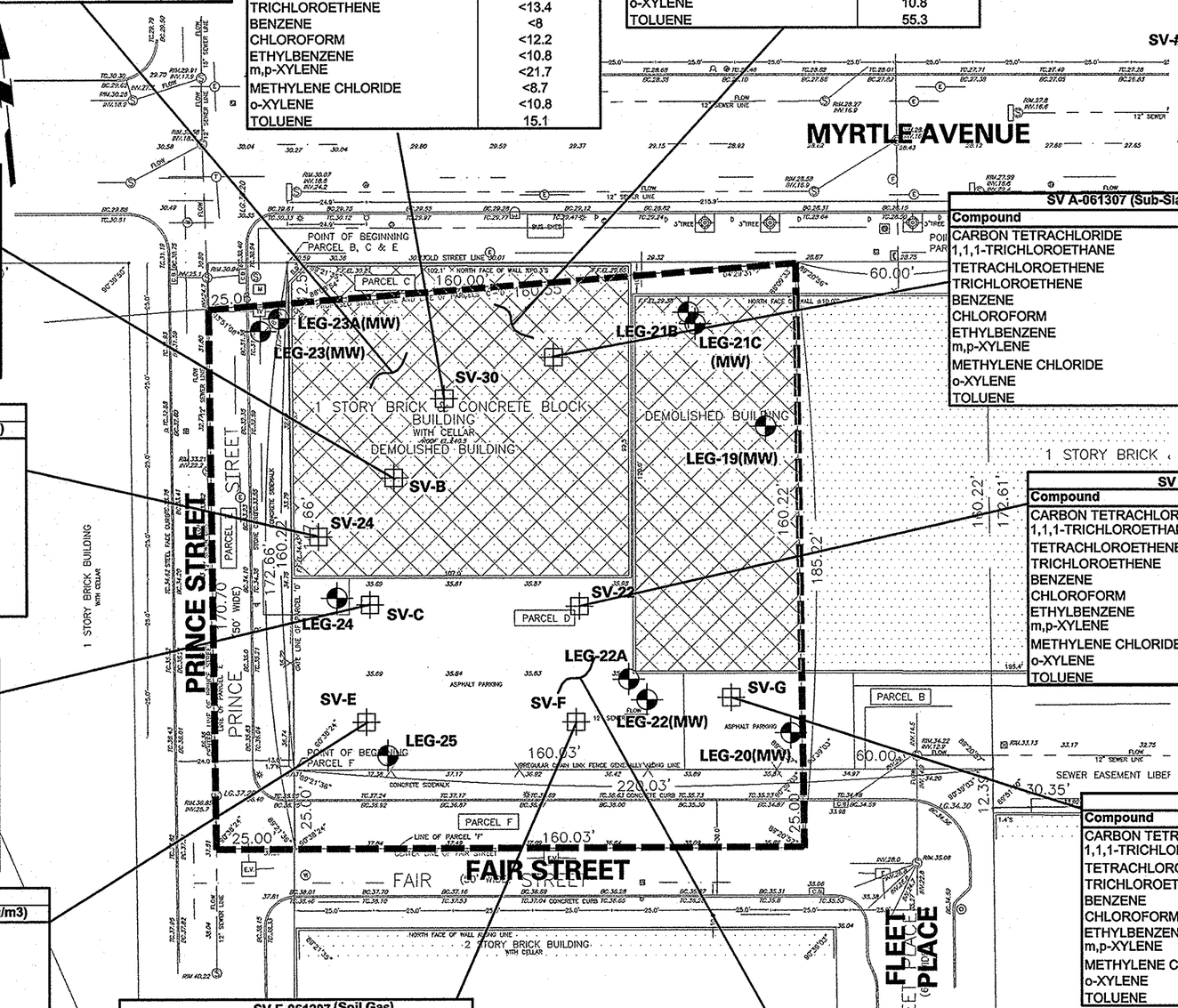
LEG-# — APPROXIMATE LOCATION OF SOIL BORING

LEG-#(MW) — APPROXIMATE LOCATION OF MONITORING WELL

SV-#(OR LETTER) — APPROXIMATE LOCATION OF SUB-SLAB VAPOR OR SOIL GAS PROBE

NOTE:

BASE MAP BY GERALD T. O'BUCKLEY PROFESSIONAL LAND SURVEYORS (JUNE 2006)



SV A1-061307 (Indoor Air)	
Compound	Conc. (ug/m3)
CARBON TETRACHLORIDE	<31.5
1,1,1-TRICHLOROETHANE	<27.3
TETRACHLOROETHENE	<33.9
TRICHLOROETHENE	<26.9
BENZENE	<16
CHLOROFORM	<24.3
ETHYLBENZENE	<21.7
m,p-XYLENE	<43.4
METHYLENE CHLORIDE	<17.4
o-XYLENE	<21.7
TOLUENE	46.7

SV 30-042607 (Sub-Slab)	
Compound	Conc. (ug/m3)
CARBON TETRACHLORIDE	<3.2
1,1,1-TRICHLOROETHANE	<13.6
TETRACHLOROETHENE	<17
TRICHLOROETHENE	<13.4
BENZENE	<8
CHLOROFORM	<12.2
ETHYLBENZENE	<10.8
m,p-XYLENE	<21.7
METHYLENE CHLORIDE	<8.7
o-XYLENE	<10.8
TOLUENE	15.1

AMB-042607 (Indoor Air)	
Compound	Conc. (ug/m3)
CARBON TETRACHLORIDE	<15.7
1,1,1-TRICHLOROETHANE	<13.6
TETRACHLOROETHENE	246.2
TRICHLOROETHENE	<13.4
BENZENE	12.4
CHLOROFORM	52.6
ETHYLBENZENE	10.4
m,p-XYLENE	31.4
METHYLENE CHLORIDE	19.8
o-XYLENE	10.8
TOLUENE	55.3

SV B-061307 (Sub-Slab)	
Compound	Conc. (ug/m3)
CARBON TETRACHLORIDE	<15.7
1,1,1-TRICHLOROETHANE	<13.6
TETRACHLOROETHENE	21.7
TRICHLOROETHENE	8.6
BENZENE	8.3
CHLOROFORM	25.6
ETHYLBENZENE	8.9
m,p-XYLENE	12.8
METHYLENE CHLORIDE	<8.7
o-XYLENE	<10.8
TOLUENE	79.4

SV A-061307 (Sub-Slab)	
Compound	Conc. (ug/m3)
CARBON TETRACHLORIDE	<6.3
1,1,1-TRICHLOROETHANE	<5.5
TETRACHLOROETHENE	140
TRICHLOROETHENE	8.8
BENZENE	<3.2
CHLOROFORM	35.6
ETHYLBENZENE	5.6
m,p-XYLENE	8.2
METHYLENE CHLORIDE	<3.5
o-XYLENE	3.5
TOLUENE	56.1

SV 24-042607 (Sub-Slab)	
Compound	Conc. (ug/m3)
CARBON TETRACHLORIDE	<3.2
1,1,1-TRICHLOROETHANE	4
TETRACHLOROETHENE	652
TRICHLOROETHENE	1.8
BENZENE	10.1
CHLOROFORM	86.1
ETHYLBENZENE	10.2
m,p-XYLENE	33
METHYLENE CHLORIDE	11.5
o-XYLENE	11.9
TOLUENE	54.6

SV 22-061207 (Soil Gas)	
Compound	Conc. (ug/m3)
CARBON TETRACHLORIDE	<62.9
1,1,1-TRICHLOROETHANE	<54.6
TETRACHLOROETHENE	165
TRICHLOROETHENE	<53.7
BENZENE	<31.9
CHLOROFORM	<48.7
ETHYLBENZENE	<43.4
m,p-XYLENE	<86.7
METHYLENE CHLORIDE	<34.7
o-XYLENE	<43.4
TOLUENE	76.8

SV C-061207 (Soil Gas)	
Compound	Conc. (ug/m3)
CARBON TETRACHLORIDE	<3.2
1,1,1-TRICHLOROETHANE	<2.7
TETRACHLOROETHENE	281
TRICHLOROETHENE	3.3
BENZENE	<1.6
CHLOROFORM	17.3
ETHYLBENZENE	3.3
m,p-XYLENE	12
METHYLENE CHLORIDE	<1.7
o-XYLENE	4.8
TOLUENE	20.8

SV G-061207 (Soil Gas)	
Compound	Conc. (ug/m3)
CARBON TETRACHLORIDE	<12.6
1,1,1-TRICHLOROETHANE	<10.9
TETRACHLOROETHENE	104
TRICHLOROETHENE	<10.7
BENZENE	<6.4
CHLOROFORM	900
ETHYLBENZENE	7.3
m,p-XYLENE	36.9
METHYLENE CHLORIDE	<6.9
o-XYLENE	14.4
TOLUENE	26.3

SV E-061207 (Soil Gas)	
Compound	Conc. (ug/m3)
CARBON TETRACHLORIDE	<3.2
1,1,1-TRICHLOROETHANE	<2.7
TETRACHLOROETHENE	421
TRICHLOROETHENE	<2.7
BENZENE	<1.6
CHLOROFORM	21.1
ETHYLBENZENE	3
m,p-XYLENE	10.1
METHYLENE CHLORIDE	<1.7
o-XYLENE	4
TOLUENE	12.8

SV F-061207 (Soil Gas)	
Compound	Conc. (ug/m3)
CARBON TETRACHLORIDE (µg/m3)	<3.2
1,1,1-TRICHLOROETHANE (µg/m3)	<2.7
TETRACHLOROETHENE (µg/m3)	179
TRICHLOROETHENE (µg/m3)	<2.7
BENZENE (µg/m3)	<1.6
CHLOROFORM (µg/m3)	<2.4
ETHYLBENZENE (µg/m3)	3.6
m,p-XYLENE (µg/m3)	12.2
METHYLENE CHLORIDE (µg/m3)	<1.7
o-XYLENE (µg/m3)	4.7
TOLUENE (µg/m3)	14.3

SV AO-061207 (Outdoor Air)	
Compound	Conc. (ug/m3)
CARBON TETRACHLORIDE	<6.3
1,1,1-TRICHLOROETHANE	<5.5
TETRACHLOROETHENE	<6.8
TRICHLOROETHENE	<5.4
BENZENE	<3.2
CHLOROFORM	<4.9
ETHYLBENZENE	5
m,p-XYLENE	8.2
METHYLENE CHLORIDE	3.5
o-XYLENE	3.6
TOLUENE	36

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Project
SUB-SLAB VAPOR AND SOIL GAS ANALYTICAL RESULTS
86 FLEET PLACE
BROOKLYN NEW YORK

Project No.	Date	Scale	Dwg. No.
5762902	10/02/07	1"=30'	5

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Filename: U:\Data9\5762902\Office Data\Reports\Phase II for Tower\Figures\Fig5 Soil Vapor Tog.dwg Date: 10/4/2007 Time: 19:38 User: vigiao Style Table: Langan.stb Layout: C Size Sheet (Bottom)

Appendix A

Phase II ESI Soil Boring Logs

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LOG OF BORING LEG-19(MW) **SHEET** 1 **OF** 6

PROJECT	166-218 Myrtle Ave	PROJECT NO.	5762901
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	Craig Test	DATE STARTED 9/12/07	DATE FINISHED 9/13/07
DRILLING EQUIPMENT	CME 75	COMPLETION DEPTH 100'	ROCK DEPTH 90'
SIZE AND TYPE OF BIT	2 1/8" & 3 7/8" tri-cone Rollerbit	NO. SAMPLES	DIST. 26 / UNDIST. — / CORE 10'
CASING	4"	WATER LEVEL	FIRST — / COMPL. — / 24 HR. —
CASING HAMMER Safety	WEIGHT 140 lb / DROP 30"	FOREMAN	P. Mullins + N. Beehler
SAMPLER	2" OD split spoon	INSPECTOR	H. Gatzoulis
SAMPLER HAMMER Safety	WEIGHT 140 lb / DROP 30"		

NYCBC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
FILL	br SILT, so gravel, tr brick, f sand	1	S1	SS	6"	5 3 4 7	Old Duane Reade Building; Old Sidewalk 45' 35' N
	br SILT, so gravel, tr brick, f sand	3	S2	SS	13"	2 3 2 3	
11-65 FILL	br sandy SILT, so gravel	5	S3	SS	4"	8 2 3 3	-Rollerbit to 14' -Take S1 – S7
	br sandy SILT, so gravel, tr plastic	7	S4	SS	2"	3 2 2 3	-Remove all of S1-S2 for environmental sampling. -Remove most of S3-S7 for environmental sampling
	br SILT, so gravel, tr f sand tr brick??	9	S5	SS	12"	8 24 22 30	-Drive casing to 15'.
10-65 FILL	br sandy SILT, tr gravel	11	S6	SS	10"	11 25 22 18	
7-65 SAND	br m-f SAND, so silt, tr gravel	13	S7	SS	3"	100/5	NO PID Readings.
		14					

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JOB NO. 5762901
DATE 9/12/07

LOG OF BORING NO. LEG-19(MW)
SHEET 2 OF 6

NYCBSC	SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		br m-f SAND, so gravel, silt	14				10 13	Rollerbit to 32'
			15	S8	SS	12"	16 17	Take S8 - S15.
		br silty SAND, so gravel	16				23 22	- Remove most of S8 — S12 S14 - S15 for env. sampling
			17	S9	SS	18"	20 18	- Remove all of S13 for env. sampling.
		br m-f SAND, so silt, gravel	18				16 12	
			19	S10	SS	12"	14 18	
		br m-f SAND, so gravel, tr silt	20				21 12	Environmental Samples:
			21	S11	SS	14"	13 11	LEG-19(MW)-0-2
			22					LEG-19(MW)-24-26
7-35	SAND	br m-f SAND, so gravel, silt	23	S12	SS	13"	10 9 12 10	DUP-3 (same as 24-26)
		br m-f SAND, so silt, tr gravel	24				9 9	LEG-19(MW)-WC
			25	S13	SS	12"	11 12	
		br m-f SAND, so silt (wet)	26				13 10	
			27	S14	SS	13"	10 9	
		br m-f SAND, tr silt, gravel (wet)	28				19 12	
			29	S15	SS	14"	13 12	
			30					
			31					
			32					NO PID Readings

086100

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JOB NO. 5162901
DATE 9/12/07

LOG OF BORING NO. 2EG-19(MW)

SHEET 3 OF 6

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		32					
		33					Rollerbit to 35' Take S16
		34					
		35				6	
	br m-f SAND, trsilt (wet)	36	S16	SS	10"	5 8	
		37				10	
		38					Rollerbit to 40' Take S17
		39					
2-65	SAND br m-f SAND, trsilt	40				8	
		41	S17	SS	12"	7 10	
		42				8	
		43					Rollerbit to 45' Take S18
		44					
		45				15	
	br m-f SAND, trsilt	46	S18	SS	8"	13 18	
		47				16	
		48					Rollerbit to 50' Take S19
		49					
		50					No PID readings

086100

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LOG OF BORING NO. LEG-19(MW)

SHEET 4 OF 6

WELL SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	br f-m SAND, tr silt	50				18 16	
		51	S19	SS	8"	24 18	
		52					
		53					Rollerbit to 55' Take S20
		54					
	br f-m SAND, tr silt	55				23 18	
		56	S20	SS	8"	25 16	
		57					End day on 9/12/07 at 1:30pm Begin on 9/13/07 at 6:30am
		58					Rollerbit to 60' Take S21
7-65 SAND		59					
	br f-m SAND, tr silt	60				23 18	
		61	S21	SS	8"	25 23	
		62					
		63					Rollerbit to 65' Take S22
		64					
	br f-m SAND	65				22 20	
		66	S22	SS	18"	26 20	
		67					
		68					NO PID Readings

086100

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JOB NO. 5702901
DATE 9/13/07

LOG OF BORING NO. LEG-19(MW)

SHEET 5 OF 6

USCS SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLWS/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		68					Rollerbit to 70' Take S23
		69					
	br f-m SAND, tr silt	70				21	
		71	S23	SS	18	17 23	
		72				18	
		73					Rollerbit to 75' Take S24
		74					
	br m-f SAND, so silt, tr gravel	75				20	
P-65 SAND		76	S24	SS	12	18 25	
		77				83	
		78					Rollerbit to 80' Take S25
		79					
	br m-f SAND, tr silt	80				18	
		81	S25	SS	15	15 23	
		82				15	
		83					Rollerbit to 85' Take S26
		84					
	br m-f SAND, tr silt	85				20	
		86	S26	SS	18	17	NO PID Readings

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JOB NO. 5126901
DATE 9/13/07

LOG OF BORING NO. LEG-19(MW)
SHEET 6 OF 6

MYCBL	SYMBOL	SAMPLE DESCRIPTION		DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
				86	526	SS	20"	25 20	
				87					
				88					Roller bit to 90'
				89					
1-65	SAND			90					
	ROCK	gray granitic gneiss severe weathering 91' to 92.5'	5 5 5 5 6	91 92 93 94 95	C1	NX core barrel	REC: 30/60 50%	RQD: 25/60 = 85%	Begin coring at 7:50am - 8:16am
		gray granitic gneiss and quartz	5 4 5 5 6	96 97 98 99 100	C2	NX core barrel	REC: 60/60 = 100%	RQD: 55/60 = 92%	Begin coring at 8:15 - 8:40 am - Top 5" of C2 was actually C1
		EOB at 100'		101 102 103 104					EOB at 100'

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Log of Boring **LEG-20** Sheet 1 of 5

Project: 166-218 Myrtle Avenue	Project No.: 5762901
Location: Brooklyn, N.Y.	Elevation and Datum: Approx.
Drilling Agency: Craig Test Boring	Date Started: 3/28/07 / Date Finished: 3/28/07
Drilling Equipment: Gus Pech Brat 22 R	Completion Depth: 106 ft / Rock Depth: 96 ft
Size and Type of Bit: 3 7/8" Tri-Cone Roller Bit	Number of Samples: Disturbed 22 / Undisturbed / Core
Casing Diameter (in): 4" Steel Casing / Casing Depth (ft):	Water Level (ft.): First ▽ - / Completion ▼ / 24 HR. ▽
Casing Hammer: Donut / Weight (lbs): 300 / Drop (in): 24	Drilling Foreman: Pat
Sampler: 2" O.D. Split Spoon	Inspecting Engineer: Christine Bauder
Sampler Hammer: Safety / Weight (lbs): 140 / Drop (in): 30	

Material Symbol	Elev. (ft)	Building Code	Sample Description	PID Reading (ppm)	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		11-65	Brown-gray m-f SAND, some concrete, trace brick [FILL]	2.4	0–1	S-1	SS	8	29, 32, 100/2"	Refusal	Roller bit thru asphalt Take S-1
		11-65	Brown-red m-f SAND, some concrete, some gravel [FILL]	1.8	1–3	S-2	SS	3	11, 100/3"	Refusal	Roller bit to 2' Chatter Take S-2
			CONCRETE		3–10						Roller bit to 4' Hard drilling 4'-10', concrete Soil Sample LEG-20-0'-14'
		11-65	Brown m-f SAND, some brick, some fine gravel, trace silt [FILL]	0.9 1.1	10–14	S-3 S-4	SS SS	8 10	10, 16, 12, 11 16, 19, 19, 15	28 38	Take S-3 Take S-4
			CONCRETE		14–16						Roller bit to 14' Concrete 14'-16'
		11-65	Brown m-f SAND, some brick, some gravel [FILL]	1.0	16–18	S-5	SS	2	2, 13, 20, 21	33	Take S-5
			CONCRETE		18–20						Roller bit to 18' Concrete 17.5'-20'

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Log of Boring **LEG-20** Sheet 2 of 5

Project	Project No.
166-218 Myrtle Avenue	5762901
Location	**Elevation and Datum**
Brooklyn, N.Y.	Approx.

Material Symbol	Elev. (ft)	Building Code	Sample Description	PID Reading (ppm)	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					20						Take S-6
			No recovery		21	S-6	SS	0	17 15 19 13	34	
				0.1	22						Roller bit to 22' Take S-7
			Brown m-f SAND, trace fine gravel [SP] (wet)		23	S-7	SS	8	17 18 13 11	31	Soil Sample LEG20-20'-24'
					24						
					25						Casing to 25' Roller bit to 25' Take S-8
			Brown c-f SAND, trace gravel, trace silt [SP] (wet)		26	S-8	SS		6 13 16 15	29	
					27						
					28						
					29						
					30						Roller bit to 30' Take S-9
					31	S-9	SS	10	13 14 15 15	29	
		7-65	Brown c-f SAND, trace silt, trace fine gravel [SP]		32						
					33						
					34						
					35						Roller bit to 35' Take S-10
			Brown c-f SAND, trace fine gravel, trace silt [SP]		36	S-10	SS	9	9 9 13 12	22	
					37						
					38						
					39						
					40						Roller bit to 40' Take S-11
			Brown fine-very fine SAND, some silt [SM]		41	S-11	SS	8	13 17 16 17	33	
					42						
					43						
					44						
					45						

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Log of Boring **LEG-20** Sheet 3 of 5

Project	Project No.
166-218 Myrtle Avenue	5762901
Location	**Elevation and Datum**
Brooklyn, N.Y.	Approx.

Material Symbol	Elev. (ft)	Building Code	Sample Description	PID Reading (ppm)	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					45						Roller bit to 45' Take S-12
			Brown fine SAND, trace fine gravel, trace silt		46	S-12	SS	14	16 21 22 18	43	
					47						
					48						
					49						
					50						Roller bit to 50' Take S-13
			Brown c-f SAND, some silt [SP]		51	S-13	SS	16	14 23 23 28	46	
					52						
					53						
					54						
					55						Roller bit to 55' Take S-14
			Brown c-f SAND, pockets of fine to very fine silty sand [SP-SM]		56	S-14	SS	14	18 29 23 25	52	
		7-65			57						
					58						
					59						
					60						Roller bit to 60' Take S-15
			Brown m-f SAND, some silt [SP]		61	S-15	SS	18	15 23 30 28	53	
					62						
					63						
					64						
					65						Roller bit to 65' Take S-16
			Brown m-f SAND, trace silt		66	S-16	SS	14	22 35 37 38	72	
					67						
					68						
					69						
					70						

Sample Data

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Log of Boring **LEG-20** Sheet 4 of 5

Project	Project No.
166-218 Myrtle Avenue	5762901
Location	**Elevation and Datum**
Brooklyn, N.Y.	Approx.

Material Symbol	Elev. (ft)	Building Code	Sample Description	PID Reading (ppm)	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					70						Roller bit to 70' Take S-17
			Brown medium-very fine SAND, some silt [SP]		71	S-17	SS	13	24 33 24 38	57	
					72						
					73						
					74						
					75						Roller bit to 75' Take S-18
			Brown m-f SAND, trace silt		76	S-18	SS		34 43 53 68	96	
					77						
					78						
					79						
					80						Roller bit to 80' Take S-19
			Brown c-f SAND, trace silt [SP]		81	S-19	SS	12	33 38 33 35	71	
		7-65			82						
					83						
					84						
					85						Roller bit to 85' Take S-20
			Brown c-f SAND, trace silt		86	S-20	SS	8	31 65 58 62	123	
					87						
					88						
					89						
					90						Roller bit to 90' Take S-21
			Brown m-f SAND, some silt		91	S-21	SS	12	23 34 33 41	67	
					92						
					93						
					94						
					95						

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Log of Boring **LEG-20** Sheet 5 of 5

Project	Project No.
166-218 Myrtle Avenue	5762901
Location	**Elevation and Datum**
Brooklyn, N.Y.	Approx.

Material Symbol	Elev. (ft)	Building Code	Sample Description	PID Reading (ppm)	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		7-65	Brown m-f SAND		95	S-22	SS	2	100/2"	Refusal	Roller bit to 95' Slight chatter Take S-22
		1-65	Gray GRANITE and white quartz, some pegmatite, fractured		96 97 98 99 100	C-1	NX CORE BARREL	REC=58"/60" =97%	RQD=54"/60" =90%		
					101 102 103 104 105	C-2	NX CORE BARREL	REC=60"/60" =100%	RQD=58"/60" =97%		
			End of boring at 106'		106						Set monitoring well
					107 108 109 110 111 112 113 114 115 116 117 118 119 120						

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LOG OF BORING LEG-21b (MW5) **SHEET** 1 **OF** 2

PROJECT: 166-218 MYRTLE AVENUE		PROJECT NO.: 5762901	
LOCATION: BROOKLYN, NY		ELEVATION AND DATUM:	
DRILLING AGENCY: CRAIG TEST BORING		DATE STARTED: 9/7/07	DATE FINISHED: 9/7/07
DRILLING EQUIPMENT: CME 75		COMPLETION DEPTH: 30	ROCK DEPTH: —
SIZE AND TYPE OF BIT: 2 1/8" & 3 7/8" tri-cone rollerbit		NO. SAMPLES: DIST. 15	UNDIST. — CORE —
CASING: 4"		WATER LEVEL: FIRST —	COMPL. — 24 HR. —
CASING HAMMER: Safety WEIGHT: 140 lb DROP: 30"		FOREMAN: PAUL & NICK	
SAMPLER: 2" OD split spoon		INSPECTOR: N. GATZOULIS & A. WREN	
SAMPLER HAMMER: Automatic WEIGHT: 140 lb DROP: 30"			

USCS Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
FILL	brown sandy SILT, trace gravel, glass [FILL]	1	S1	SS	3"	WOH	Old Sidewalk; Old Duane Reade Bldg; 6'; 18'; N
	GRAVEL, so sandy silt, tr glass [FILL]	2	S2	SS	4"	11 7 5 3	
	brown sandy SILT, so gravel tr brick [FILL]	4	S3	SS	6"	2 2 1 1	Rollerbit to 14'; Take S1 - S7; Casing to 15'; Remove S1 - S7 for env. sampling
	brown sandy SILT, tr gravel [FILL]	6	S4	SS	4"	WOH	
	brown sandy SILT, tr gravel [FILL]	8	S5	SS	8"	WOR WOH	
SILT	br SILT, so gravel, tr brick	10	S6	SS	12"	10 11 6 6	
	br SILT, so gravel,	12	S7	SS	3"	11 14 20 18	NO PID Readings
		14					

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JOB NO. 5762901
DATE 9/7/07

LOG OF BORING NO. LEG-21b(MW)
SHEET 2 OF 2

USCS Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	br SILT, so gravel, tr f. sand	14					Rollerbit to 30'
		15	S8	B3	5"	100/5	Take S8 - S15.
10-65 SILT	br sandy SILT, so gravel	16				15	• Rig Chatter
		17	S9	B3	11"	18 24 29	
	br sandy SILT, so gravel tr wood fragment	18				30	
		19	S10	B3	5"	21 25	Environmental samples:
		20				26	LEG-21b-0-2
7-65 SAND	GRAVEL, so brown m-f sand tr silt	21	S11	B3	12"	19 10 20	LEG-21b-22-24
		22				17	LEG-21b-WC
	br m-f SAND so gravel tr silt	23	S12	B3	15"	23 16 19	
6-65 GRAVEL	GRAVEL, so br silty sand	24				20	
		25	S13	B3	1"	15 18 18	
		26				13	
	br m-f SAND, so gravel tr silt	27	S14	B3	10"	12 9 11	
7-65 SAND	br m-f SAND, tr silt (WET)	28				11	
		29	S15	B3		7 10 8	
	EOB at 30'	30					NO PID Readings
		31					EOB at 30' Install monitoring well Remove well due to obstruction at 8'.
		32					

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LOG OF BORING LEG-21C(MW) **SHEET** 1 **OF** 2

PROJECT: 166-218 Myrtle Ave	PROJECT NO.: 576290.1
LOCATION: Brooklyn, NY	ELEVATION AND DATUM:
DRILLING AGENCY: Craig Test	DATE STARTED: 9/13/07 — DATE FINISHED: 9/13/07
DRILLING EQUIPMENT: CME 75	COMPLETION DEPTH: 30' — ROCK DEPTH: —
SIZE AND TYPE OF BIT: 2 1/8" & 3 7/8" tri-cone rollerbit	NO. SAMPLES: DIST. 15 — UNDIST. — — CORE —
CASING: 4"	WATER LEVEL: FIRST — — COMPL. — — 24 HR. —
CASING HAMMER: Safety — WEIGHT: 140 lb — DROP: 30"	FOREMAN: P. Mullins & N. Beehler
SAMPLER: 2" OD split spoon	INSPECTOR: H. Gatzoulis
SAMPLER HAMMER: Safety — WEIGHT: 140 lb — DROP: 30"	

NYCDEP SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLW/in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
11-65 FILL	br SILT, so gravel, tr f sand, brick	1	S1	SS	18"	2 2 3 3	Old Duane Reade Bldg; Old Sidewalk; 9' × 20'; N
	No recovery	2–4	S2	SS	0"	3 4 8	
	br sandy SILT, so gravel, tr brick	5	S3	SS	5"	8 3 2 3	Rollerbit to 14' Take S1-S7
	br sandy SILT, so gravel	6–7	S4	SS	6"	WOH WOH WOH 1	Remove all of S1 Remove some of S2-S7 for env. sampling
	(b) top 3" GRAVEL, so silt; (a) bottom 8" br SILT, so gravel, tr f sand	8–9	S5	SS	11"	11 16 3 14	
6-65 GRAVEL	(a) bottom 4" GRAVEL	10				35	
10-65 SILT	(b) top 12" br SILT, so gravel, tr f sand	11	S6	SS	16"	26 30 31	
	br SILT, so gravel, tr f sand	12–13	S7	SS	16"	18 11 19 16	NO PID readings
		14					

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JOB NO. 576290 1
DATE 9/13/07

LOG OF BORING NO. LEG-21c(MW)
SHEET 2 OF 2

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
10-65 SILT	br sandy SILT, so gravel	14	S8	SS	8"	14 18 22 19	Rollerbit to 30' Take S8-S15
	br sandy SILT tr gravel	15 16 17	S9	SS	7"	35 15 23 18	Remove some of S8-S15 for env. sampling.
7-65 SAND	f-m SAND, so silt, so gravel	18 19	S10	SS	8"	16 12 18 19	Environmental samples: LEG-21c-0-2 LEG-21c-22-24 LEG-21c-WC
	(a) bottom 3" br f-m SAND, so silt (b) top 3" GRAVEL	20 21	S11	SS	6"	20 20 17 15	
6-65 GRAVEL							
7-65 SAND	br m-f SAND, so gravel, so silt	22 23	S12	SS	16"	1 14 14 14	
	br f-m SAND, so silt, so gravel	24 25	S13	SS	7"	12 10 12 19	
	br m-f SAND so silt, so gravel	26 27	S14	SS	12"	12 8 10 10	
	br m-f SAND so silt, so gravel.	28 29	S15	SS	9"	11 10 4 8	NO PID Readings
	EOB at 30'	30					EOB at 30' Install monitoring well to replace LEG-21b(MW)

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Log of Boring **LEG-22 (MW)** Sheet 1 of 1

Project: 166-218 Myrtle Avenue		Project No.: 5762901	
Location: Brooklyn, N.Y.		Elevation and Datum: Approx.	
Drilling Agency: Craig Test Boring		Date Started: 3/21/07	Date Finished: 3/21/07
Drilling Equipment: Mud Rotary		Completion Depth: 13 ft	Rock Depth:
Size and Type of Bit: 3 7/8" Tri-Cone Roller Bit		Number of Samples: Disturbed 6	Undisturbed: Core:
Casing Diameter (in): 4" Steel Casing	Casing Depth (ft):	Water Level (ft.): First ▽ -	Completion ▼ 24 HR. ▼
Casing Hammer: Donut	Weight (lbs): 300 / Drop (in): 24	Drilling Foreman: Pat	
Sampler: 2" O.D. Split Spoon		Inspecting Engineer: Christine Bauder	
Sampler Hammer: Safety	Weight (lbs): 140 / Drop (in): 30		

Material Symbol	Elev. (ft)	Building Code	Sample Description	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		11-65	Brown-dark brown m-f SAND, trace silt, trace brick [FILL]	S-1	SS	8	11 18 7	25	Driller on-site 6:45 AM Drill through asphalt (4"-6") Take S-1
			Brown-gray m-f SAND, some brick, trace silt, trace fine gravel [FILL]	S-2	SS	7	18 8 3 2	11	Take S-2
			Brown m-f SAND, trace silt, trace fine gravel, trace brick [FILL]	S-3	SS	3	2 1 2 4	3	Take S-3
		7-65	Light brown-brown m-f SAND, trace silt	S-4	SS	14	38 21 30 32	51	Take S-4
			Light brown-brown m-f SAND, trace asphalt, trace brick, medium gravel in tip	S-5	SS	13	44 22 25 31	47	Take S-5
		6-65	M-f GRAVEL, some sand, some silt	S-6	SS	1	8 50/2"	Refusal	Take S-6 Roller bit to 10' Casing to 10' Spoon bouncing Refusal
			End of boring at 13'						Boulder 8'-10', 11'-13' Move hole 3'

Depth Scale: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

N-Value scale: 10 20 30 40

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Log of Boring **LEG-22 (OW)** Sheet 1 of 1

Project: 166-218 Myrtle Avenue	Project No.: 5762901
Location: Brooklyn, N.Y.	Elevation and Datum: Approx.
Drilling Agency: Craig Test Boring	Date Started: 3/21/07 / Date Finished: 3/21/07
Drilling Equipment: Mud Rotary	Completion Depth: 12 ft / Rock Depth:
Size and Type of Bit: 3 7/8" & 2 15/16 Tri-Cone Roller Bit	Number of Samples: Disturbed 6 / Undisturbed / Core
Casing Diameter (in): 4" Steel Casing / Casing Depth (ft):	Water Level (ft.): First ▽ - / Completion ▼ / 24 HR. ▼
Casing Hammer: Donut / Weight (lbs): 300 / Drop (in): 24	Drilling Foreman: Pat
Sampler: 2" O.D. Split Spoon	Inspecting Engineer: Hrisa Gatzoulis
Sampler Hammer: Safety / Weight (lbs): 140 / Drop (in): 30	

Material Symbol	Elev. (ft)	Building Code	Sample Description	PID Reading (ppm)	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		11-65	Brown-dark brown m-f SAND, trace silt, trace brick [FILL]	0	0–1	S-1	SS	8	11, 18, 7	25	Break through asphalt at 7:45 AM; Take S-1
			Brown-gray m-f SAND, some brick, trace silt, trace fine gravel [FILL]	0	2–4	S-2	SS	7	18, 8, 3, 2	11	Take S-2; Roller bit to 10'; Casing to 10', slow drilling; Take S-3
			Brown m-f SAND, trace silt, trace fine gravel, trace brick [FILL]	0	4–6	S-3	SS	3	2, 1, 2, 4	3	Take S-4
		7-65	Light brown-brown m-f SAND, trace silt	0	6–8	S-4	SS	14	38, 21, 30, 32	51	Soil sample LEG 22-0'-8'; Take S-5
			Light brown-brown m-f SAND, trace asphalt, trace brick, medium gravel in tip	0	8–10	S-5	SS	13	44, 22, 25, 31	47	Take S-6
		6-65	M-f GRAVEL, some sand, some silt		10–11	S-6	SS	1	8, 50/2"	Refusal	Spoon bouncing; Refusal
			End of boring at 12'		12–20						

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Log of Boring **LEG-22A (MW)** Sheet 1 of 5

Project: 166-218 Myrtle Avenue	Project No.: 5762901
Location: Brooklyn, N.Y.	Elevation and Datum: Approx.
Drilling Agency: Craig Test Boring	Date Started: 4/3/07 — Date Finished: 4/3/07
Drilling Equipment: Mud Rotary	Completion Depth: 110 ft — Rock Depth: 100 ft
Size and Type of Bit: 3 7/8" Tri-Cone Roller Bit	Number of Samples: Disturbed 27 — Undisturbed — Core
Casing Diameter (in): 4" Steel Casing — Casing Depth (ft):	Water Level (ft.): First ▽ - — Completion ▼ — 24 HR. ▼
Casing Hammer: Auto — Weight (lbs): 140 — Drop (in): 30	Drilling Foreman: Jonathan and Craig
Sampler: 2" O.D. Split Spoon	Inspecting Engineer: Hrisa Gatzoulis
Sampler Hammer: Auto — Weight (lbs): 140 — Drop (in): 30	

Material Symbol	Elev. (ft)	Building Code	Sample Description	PID Reading (ppm)	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					0						Take S-1
			Brown m-f SAND, some gravel, some brick, some silt, trace asphalt [FILL]	1.0	1	S-1	SS	12	20 11 7 6	18	
					2						Soil sample LEG-22A-0'-6' Take S-2
			Brown m-f SAND, some gravel, some silt, trace brick, trace clay [FILL]	0.4	3	S-2	SS	12	3 7 7 6	14	
					4						Take S-3
			Brown m-f SAND, some gravel, trace silt, trace clay [FILL]	0.6	5	S-3	SS	10	4 5 8 7	13	
					6						Take S-4
			Brown m-f SAND, trace silt [FILL]	0.4	7	S-4	SS	10	4 4 7 8	11	
					8						Take S-5
		11-65	Brown m-f SAND, trace silt, trace gravel, trace brick [FILL]	0	9	S-5	SS	12	6 6 5 5	11	
					10						Take S-6
			Brown m-f SAND and GRAVEL, trace silt [FILL]	0	11	S-6	SS	2	7 7 11 13	18	
					12						Take S-7 Drill to 12' and put in casing Drilling equipment breaks down, fix it and begin drilling again at 8:20 AM
			Red brown m-f SAND, some clay, trace gravel, trace silt [FILL]	1.3	13	S-7	SS	12	10 13 15 18	28	
					14						Take S-8
			Red brown m-f SAND, some clay, some gravel, trace silt [FILL]	1.2	15	S-8	SS	12	12 12 13 14	25	
					16						Take S-9
					17	S-9	SS	0	10 14 18 21	32	
					18						Take S-10
		7-65	Red brown m-f SAND, trace silt, trace gravel [FILL]	0.2	19	S-10	SS	12	18 21 23 27	44	
					20						

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Log of Boring **LEG-22A (MW)** Sheet 2 of 5

Project	Project No.
166-218 Myrtle Avenue	5762901
Location	**Elevation and Datum**
Brooklyn, N.Y.	Approx.

Material Symbol	Elev. (ft)	Building Code	Sample Description	PID Reading (ppm)	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					20						Take S-11
			Red brown m-f SAND, some silt, trace gravel [SP]	0.3	21	S-11	SS	10	11 14 22 18	36	
					22						Take S-12
			Red brown m-f SAND, trace silt, trace gravel [SP] (moist)	0	23	S-12	SS	12	19 21 17 17	38	Soil sample LEG-22A-22'-24'
					24						Take S-13
			Brown c-f SAND, some gravel [SP] (wet)	0	25	S-13	SS	12	22 26 26 29	52	
					26						
					27						
					28						
					29						
					30						Roller bit to 30', put in casing. Take S-14
			Brown m-f SAND, some gravel, some silt [SP]	0	31	S-14	SS	10	13 17 100/3"	Refusal	Hit a boulder at 31'-34'
		7-65			32						
					33						
					34						
					35						Roller bit to 35' Take S-15
			Brown m-f SAND, trace gravel [SP]	0	36	S-15	SS	10	11 17 12 12	29	
					37						
					38						
					39						
					40						Roller bit to 40' Take S-16
			Brown m-f SAND, trace gravel, trace silt [SP]	0	41	S-16	SS	12	4 11 13 16	24	
					42						
					43						
					44						
					45						

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Log of Boring **LEG-22A (MW)** Sheet 3 of 5

Project	Project No.
166-218 Myrtle Avenue	5762901
Location	**Elevation and Datum**
Brooklyn, N.Y.	Approx.

Material Symbol	Elev. (ft)	Building Code	Sample Description	PID Reading (ppm)	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist Bl/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					45						Roller bit to 45' Take S-17
			Brown m-f SAND, trace gravel, trace silt [SP]	0	46–47	S-17	SS	12	9, 10, 11, 12	21	
					48–49						
					50						Roller bit to 50' Take S-18
			Brown m-f SAND, trace gravel, trace silt [SP]	0	51–52	S-18	SS	12	8, 11, 15, 16	26	
					53–54						
					55						Roller bit to 55' Take S-19
			Brown m-f SAND, trace gravel [SP]	0	56–57	S-19	SS	12	10, 14, 14, 17	28	
		7-65			58–59						
					60						Roller bit to 60' Take S-20
			Brown m-f SAND, trace gravel [SP]	0	61–62	S-20	SS	13	12, 16, 19, 23	35	
					63–64						
					65						Roller bit to 65' Take S-21
			Brown c-f SAND, trace gravel, trace silt [SP]	0	66–67	S-21	SS	13	14, 18, 22, 27	40	
					68						
					69–70						

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Log of Boring **LEG-22A (MW)** Sheet 4 of 5

Project	Project No.
166-218 Myrtle Avenue	5762901
Location	**Elevation and Datum**
Brooklyn, N.Y.	Approx.

Material Symbol	Elev. (ft)	Building Code	Sample Description	PID Reading (ppm)	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					70						Roller bit to 70' Take S-22
			Brown m-f SAND, trace silt, trace gravel [SP]	0	71	S-22	SS	15	16 22 25 29	47	
					72						
					73						
					74						
					75						Roller bit to 75' Take S-23
			Brown m-f SAND, trace silt [SP]	0	76	S-23	SS	15	15 24 28 32	52	
					77						
					78						
					79						
					80						Roller bit to 80' Take S-24
			Brown m-f SAND, some gravel, trace silt [SP]	0	81	S-24	SS	13	12 19 21 26	40	
		7-65			82						
					83						
					84						
					85						Roller bit to 85' Take S-25
			Brown m-f SAND, some very fine gravel, trace silt [SP]	0	86	S-25	SS	22	15 18 22 24	40	
					87						
					88						
					89						
					90						Roller bit to 90' Take S-26
			Brown m-f SAND, trace silt [SP]	0	91	S-26	SS	15	12 24 24 28	48	
					92						
					93						
					94						
					95						

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Log of Boring **LEG-22A (MW)** Sheet 5 of 5

Project	Project No.
166-218 Myrtle Avenue	5762901
Location	**Elevation and Datum**
Brooklyn, N.Y.	Approx.

Material Symbol	Elev. (ft)	Building Code	Sample Description	PID Reading (ppm)	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		7-65	Brown m-f SAND, some very fine gravel [SP]	0	95–97	S-27	SS	18	13, 18, 22, 27	40	Roller bit to 95' Take S-27
		2-65	White QUARTZ with gray granite and pink garnet		100–105	C-1	NX CORE BARREL	REC=52"/60" =87%	RQD=38"/60" =63%		Roller bit to 100' Hit rock at 100'
			Gray GRANITE with quartz seams and garnets		105–110	C-2	NX CORE BARREL	REC=47"/60" =78%	RQD=36"/60" =60%		
			End of boring at 110'		110						

Depth Scale: 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120

N-Value scale: 10 20 30 40

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Log of Boring **LEG-23** Sheet 1 of 2

Project: 166-218 Myrtle Avenue	Project No.: 5762901
Location: Brooklyn, N.Y.	Elevation and Datum: Approx.
Drilling Agency: ADT, Inc.	Date Started: 4/23/07 / Date Finished: 4/23/07
Drilling Equipment: Track Mounted Geoprobe Unit	Completion Depth: 37 ft / Rock Depth: -
Size and Type of Bit: 2" Macrocore	Number of Samples: Disturbed 7 / Undisturbed / Core
Casing Diameter (in): - / Casing Depth (ft): -	Water Level (ft.): First ▽ 28.4 / Completion ▼ / 24 HR. ▼
Casing Hammer: - / Weight (lbs): - / Drop (in): -	Drilling Foreman: Andrea Babel and Rudolfa Rios
Sampler: 2" Macrocore - 2" Acetate Sleeves	Inspecting Engineer: Stuart Knoop
Sampler Hammer: - / Weight (lbs): - / Drop (in): -	

Material Symbol	Elev. (ft)	Building Code	Sample Description	PID Reading (ppm)	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			5" CONCRETE SLAB (sidewalk)		0						Begin boring at 12:00 PM on 4/23/07
		8-65	Tan-brown coarse SAND, trace gravel, pebble size rock fragments (dry)	0 / 0.2	1, 2	S-1	HAND AUGER	36			Break thru concrete slab and hand auger Soil sample LEG-23-0'-2'+DUP-1
		8-65	Reddish-brown f-m SAND, trace silt, trace gravel, pebble sized rock fragments (moist)	0.6 / 0	3, 4	S-2	MC	13			
					5, 6, 7, 8, 9	S-3	MACROCORE	50			
		8-65	Brown-pink medium SAND, trace gravel, pebble sized rock fragments (dry) 6" lens of reddish-brown fine SAND, some silt (moist)	0.5	10, 11, 12, 13, 14	S-4	MACROCORE	55			
		8-65	Brown-tan coarse SAND, trace gravel, pebble sized rock fragments (dry) 4" lens of cobble sized rock fragments	0.6	15, 16, 17, 18, 19, 20	S-5	MACROCORE	56			

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Log of Boring **LEG-23** Sheet 2 of 2

Project	Project No.
166-218 Myrtle Avenue	5762901
Location	**Elevation and Datum**
Brooklyn, N.Y.	Approx.

Material Symbol	Elev. (ft)	Building Code	Sample Description	PID Reading (ppm)	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		8-65	Red-brown medium SAND, trace silt, gravel rock fragments (moist)		20–23	S-6	MACROCORE	60			Soil sample LEG-23-20'-25' Composite waste characterization sample LEG-23-0'-25'
		8-65	Brown-tan coarse SAND, trace gravel, pebble sized rock fragments (dry)	0.6	23–25						
		8-65	Red-brown medium SAND, trace gravel sized rock fragments (moist) 6" lens of cobble	0.9	25–28	S-7	MACROCORE	60			
		8-65	Reddish-tan coarse SAND, trace gravel sized rock fragments (moist)		28–30						
			End of boring at 37'		30–37						Push to 37' Install 1" dia. well 10' Screen, sand to 25', bentonite to 23', backfill to surface End boring at 4:30 PM

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LOG OF BORING LEG-23a(MW) SHEET 1 OF 7

PROJECT	166-218 Myrtle Ave	PROJECT NO.	576290
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	
DRILLING AGENCY	Craig Test	DATE STARTED 9/14/07	DATE FINISHED 9/17/07
DRILLING EQUIPMENT	CME 75	COMPLETION DEPTH 115'	ROCK DEPTH 105'
SIZE AND TYPE OF BIT	2 1/8" & 3 7/8" Vulcan rollerbit	NO. SAMPLES: DIST. 29	UNDIST. — CORE 10'
CASING	4"	WATER LEVEL: FIRST —	COMPL. — 24 HR. —
CASING HAMMER Safety	WEIGHT 140 lb DROP 30"	FOREMAN	P. Mullins & N. Beehler
SAMPLER	2" OD split spoon	INSPECTOR	H. Gatzoulis
SAMPLER HAMMER Safety	WEIGHT 140 lb DROP 30"		

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLW/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
11-65 FILL	br SILT, so gravel, tr brick, f sand, asphalt	1	S1	SS	6"	2 10 11 7	Sidewalk; ↑N; 20', 5'; Old Duane Reade Building
	GRAVEL, so silt, tr f sand	2–3	S2	SS	8"	2 3 11 3	
	br SILT, so gravel, tr brick f sand	4–5	S3	SS	8"	3 3 8 9	Rollerbit to 14'; Take S1–S14; remove most of S1 for environmental sampling; remove some of S2–S9 for env. sampling; Drive casing to 15'
	br SILT, so gravel, tr brick, f SAND	6–7	S4	SS	4"	11 14 20 52	
	GRAVEL, so br silt, tr f sand	8–9	S5	SS	3"	43 50 100/2	
6-65 GRAVELLY	GRAVEL, so br silt, tr f sand	10–11	S6	SS	10"	11 55 45 20	Rig chatter, some loss of drilling mud, hard drilling
10-65 STIFF	br SILT, tr gravel, f sand	12–13	S7	SS	18"	82 20 21 18	
		14					

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JOB NO. 5762901
DATE 9/14/07

LOG OF BORING NO. LEG-23a(MW)

SHEET 2 OF 7

USCS	SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
7-6S	SAND	br m-f SAND, tr gravel, silt	14				12 10	hard drilling, Rig Chatter
			15	S8	SS	14"	15 12	
			16					
10-6S	SILT	br SILT, so gravel, f sand					13 14	
			17	S9	SS	12"	16 15	
			18					
6-6S	GRAVEL	GRAVEL, so m-f sand, tr silt					13 21	Environmental Samples:
			19	S10	SS	12"	30 30	LEG-23a(MW)-0-2
		GRAVEL, m-f sand, tr silt	20				21 26	LEG-23a(MW)-20-22
			21	S11	SS	14"	37 21	LEG-23a(MW)-WC
			22					DUP-2
7-6S	SAND	br m-f SAND, so gravel, tr silt (wet)					22 14	
			23	S12	SS	14"	18 19	
			24					
6-6S	GRAVEL	GRAVEL, so c-f sand, tr silt (wet)					19 20	
			25	S13	SS	13"	23 25	
			26					
		GRAVEL, so silty sand (wet)					27 55	
			27	S14	SS	6"	50 40	
			28					
7-6S	SAND	br m-f SAND, so gravel, so silt					31 21	
			29	S15	SS	14"	19 20	
			30					Collexbit to 35'
			31					Tale S16
			32					

what depth?

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JOB NO. 576290)
DATE 9/14/07

LOG OF BORING NO. LEG-23a(MW)

SHEET 3 OF 7

		SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLWS in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			32					Hard drilling and rig chatter
			33					
			34					
			35					
		br f-m SAND, tr silt	36	S16	SS	14"	13 12 13 13	
			37					Rollerbit to 40' Take S17
			38					
			39					
			40					
7-45	SAND	br f-m SAND, tr silt, tr gravel	41	S17	SS	15"	10 10 12 13	
			42					
			43					Rollerbit to 45' Take S18
			44					
			45					
		br c-f SAND, tr silt, gravel	46	S18	SS	14"	13 12 16 13	
			47					Rollerbit to 50' Take S19
			48					
			49					
			50					

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JOB NO. 57.68901
DATE 9/14/07

LOG OF BORING NO. LEG-23a(MW)

SHEET 4 OF 7

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
br c-f SAND, tr gravel, silt (wet)	50					
	51	S19	SS	17"	11 8 13 13	
	52					Rollerbit to 55' Take S20
	53					
	54					
Top 7.5" br m-f SAND, so silt Bottom 7.5" br m-f SAND, tr silt	55					
	56	S20	SS	15"	15 12 16 14	
	57					
	58					Rollerbit 60' S21
	59					
	60					
br f-m SAND, so silt	61	S21	SS	14"	12 11 15 14	
	62					Rollerbit to 65' Take S22
	63					
	64					
	65					
br m-f SAND, tr silt	66	S22	SS	17"	14 12 20 13	
	67					Rollerbit to 70' Take S23
	68					

SAND

7-65

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JOB NO. 5762901
DATE 9/14/07 and 9/17/07

LOG OF BORING NO. LEG-23a (MW)
SHEET 5 OF 17

		SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			68					
			69					
			70					
		br f-m SAND, tr silt (wet)	71	S23	SS	17"	14 16 23 16	
			72					
			73					Rollerbit to 75' Take 24
			74					
			75					
2-95	SAND	br m-f SAND, tr silt, tr gravel (wet)	76	S24	SS	16"	16 14 16 15	
			77					End day on 9/14/07 at 1:30pm Begin day on 9/17/07 at 6:00 am
			78					
			79					Rollerbit to 80' Take S25
		br m-f SAND, tr silt (wet)	80	S25	SS	17"	22 20 22 22	
			81					
			82					
			83					Rollerbit to 85' Take S26
			84					
			85					
		br f-m SAND, tr silt (wet)	86	S26	SS	18"	24 22	

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JOB NO. 5762901
DATE 9/17/07

LOG OF BORING NO. LEG-23a (MW)
SHEET 6 OF 7

USCS SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		86	S26	SS	18"	20 22	
		87					Rollerbit to 90' Take S27
		88					
		89					
		90					
	br f-m SAND, tr silt (wet)	91	S27	SS	20"	19 17 20 18	
		92					
		93					Rollerbit to 95' Take S28
7-65 SAND		94					
		95					
	br f-m SAND, tr silt (wet)	96	S28	SS	9"	24 42 25 25	
		97					
		98					Rollerbit to 100' Take S29
		99					
		100					
10-65 SILT	gray sandy SILT, tr gravel	101	S29	SS	8"	50/1	
		102					Hard drilling at 102'
		103					
		104					

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JOB NO. 5762901
DATE 9/17/07

LOG OF BORING NO. LEG-23a (MW)

SHEET 7 OF 7

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BL/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		104					
		105					Start coring at 7:55am - 8:20
		106					
		107					
		108	C1	NX core barrel	REC: 54/60 = 90%	RQD: 43/60 = 72%	
		109					
ROCK		110					start coring at 8:25am - 8:50
		111					
		112	C2	NX core barrel	REC: 55/60 = 92%	RQD: 51/60 = 85%	
		113					
		114					
		115					
	EOB at 115'	116					EOB at 115' Install monitoring well
		117					
		118					
		119					
		120					
		121					
		122					

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Log of Boring **LEG-24** Sheet 1 of 5

Project: 166-218 Myrtle Avenue	Project No.: 5762901
Location: Brooklyn, N.Y.	Elevation and Datum: Approx. 35
Drilling Agency: Craig Test Boring	Date Started: 4/26/07 / Date Finished: 4/26/07
Drilling Equipment: Gus Pech Brat 22 R	Completion Depth: 122 ft / Rock Depth: 112 ft
Size and Type of Bit: 3 7/8" Tri-Cone Roller Bit	Number of Samples: Disturbed 23, Undisturbed, Core 2
Casing Diameter (in): 4" Steel Casing / Casing Depth (ft)	Water Level (ft.): First ▽ 31, Completion ▼ -, 24 HR. ▽ -
Casing Hammer: Donut / Weight (lbs): 300 / Drop (in): 24	Drilling Foreman: Pat and Kyle
Sampler: 2" O.D. Split Spoon	Inspecting Engineer: Hrisa Gatzoulis
Sampler Hammer: Safety / Weight (lbs): 140 / Drop (in): 30	

Material Symbol	Elev. (ft) +35.0	Building Code	Sample Description	PID Reading (ppm)	Coring min/ft	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Brown m-f SAND, some gravel, some silt, some brick [FILL]	0		0–1	S-1	SS	10	9, 11, 10	21	Very hard drilling to 10' Rig shaking hard, constant loss of drilling water
				0		1–2	S-2	SS	3	8, 50/1"	Refusal	Soil Sample LEG-24-0'-2'
			Brick and brown silty fine SAND, some gravel [FILL]			2–3						
						3–4						
						4–5						
			Possible obstruction, construction debris			5–6						
						6–7						
						7–8						
						8–9						
				0		9–10						
		11-65	Brown silty fine SAND, trace gravel [SM]			10–11	S-3	SS	6	15, 35, 37, 25	72	Not able to take next sample, encountered obstruction, hard drilling at 12', constant loss of drilling water
						11–12						
						12–13						
						13–14						
						14–15						
			Possible obstruction, construction debris			15–16						
						16–17						
						17–18						
						18–19						
						19–20	S-4	SS	0	24, 50/1"	Refusal	Spin casing to 20' and clean borehole End of day on 4/26/07
			No recovery, possible fill			20–21						
						21–22						

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LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **LEG-24** Sheet 2 of 5

Project	Project No.
166-218 Myrtle Avenue	5762901
Location	**Elevation and Datum**
Brooklyn, N.Y.	Approx. 35

Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
+11.0	11-65		22						
			23						
			24						
			25						Roller bit to 25', hard to get through 24'-25', possible concrete boulder
		Brown m-f SAND, some gravel [SM]	26	S-5	SS	12	35 35 30 40	65+	
			27						
		Cobble fragments and brown c-f SAND, some silt [SM] (moist)	28	S-6	SS	2	25 27 32 37	59+	Soil sample LEG-24-28'-30'
			29						
		Brown c-f SAND, some gravel, trace silt [SW] (wet)	30	S-7	SS	14	28 30 31 36	61+	
			31						
			32						
			33						
			34						
			35						Roller bit to 35' Take S-8
	7-65	Brown m-f SAND, trace silt [SP] (wet)	36	S-8	SS	6	21 24 24 99	48+	
			37						
			38						
			39						
			40						Roller bit to 40' Take S-9
		Brown m-f SAND, trace silt [SP]	41	S-9	SS	5	18 22 24 25	46+	
			42						
			43						
			44						
			45						Roller bit to 45' Take S-10
		Brown m-f SAND, trace silt [SP]	46	S-10	SS	10	8 25 22 26	47+	
			47						
			48						
			49						
			49.5						

Sample Data

MATERIAL SYMBOL

PID Reading (ppm)

Coring min/ ft

N-Value (Blows/ft): 10 20 30 40

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LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **LEG-24** Sheet 3 of 5

Project	Project No.
166-218 Myrtle Avenue	5762901
Location	**Elevation and Datum**
Brooklyn, N.Y.	Approx. 35

Material Symbol	Elev. (ft)	Building Code	Sample Description	PID Reading (ppm)	Coring min/ft	Depth Scale	Sample Data: Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
		7-65	Brown m-f SAND, trace silt [SP]			50–52	S-11	SS	12	20, 22, 19, 21	41	Roller bit to 50' Take S-11
			Brown m-f SAND, trace silt [SP]			55–57	S-12	SS		11, 13, 12, 11	25	Roller bit to 55' Take S-12
			Brown m-f SAND, trace silt [SP]			60–62	S-13	SS	12	17, 15, 14, 28	29	Roller bit to 60' Take S-13
			Brown m-f SAND, trace silt [SP]			65–67	S-14	SS	10	19, 23, 29, 30	52	Roller bit to 65' Take S-14
			Brown m-f SAND, trace silt [SP]			70–72	S-15	SS	10	17, 20, 21, 28	41	Roller bit to 70' Take S-15
			Brown m-f SAND, trace silt [SP]			75–77	S-16	SS	18	14, 32, 34, 30	66	Roller bit to 75' Take S-16

Depth Scale: 49.5, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77

N-Value (Blows/ft): 10 20 30 40

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LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **LEG-24** Sheet 4 of 5

Project	Project No.
166-218 Myrtle Avenue	5762901
Location	**Elevation and Datum**
Brooklyn, N.Y.	Approx. 35

Elev. (ft)	Building Code	Sample Description	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			77						
			78						
			79						
			80						Roller bit to 80' Take S-17
		Brown m-f SAND, trace silt [SP]	81	S-17	SS	20	27 38 42 55	80	
			82						
			83						
			84						
			85						Roller bit to 85' Take S-18
		Brown m-f SAND, trace silt [SP]	86	S-18	SS	12	35 30 32 38	82	
	7-65		87						
			88						
			89						
			90						Roller bit to 90' Take S-19
		Brown m-f SAND, trace silt [SP]	91	S-19	SS	18	30 31 45 37	76	
			92						
			93						
			94						
			95						Roller bit to 95' Take S-20
		Brown m-f SAND, trace silt [SP]	96	S-20	SS	20	28 32 42 40	74	
			97						
			98						
-64.0			99						
			100						Roller bit to 100' Take S-21
	9-65	Very stiff dark gray silty CLAY, trace fine sand [CL]	101	S-21	SS	20	14 20 24 27	44	
			102						
			103						
-69.0			104						
			104.5						

PID Reading (ppm) | Coring min/ft

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ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **LEG-24** Sheet 5 of 5

Project	Project No.
166-218 Myrtle Avenue	5762901
Location	**Elevation and Datum**
Brooklyn, N.Y.	Approx. 35

Elev. (ft)	Building Code	Sample Description	Coring min/ft	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				104.5						
	7-65	Brown m-f SAND, some gray clay [SC]		105	S-22	SS	3	100/5"	Refusal	Roller bit to 105' Take S-22
				106						
				107						
				108						
				109						
-75.0				110	S-23	SS	2	100/3"	Refusal	Roller bit to 110' Take S-23
	4-65	Gray micaceous silty f-m SAND, trace gravel [DECOMPOSED ROCK]		111						
-77.0				112						Top of rock at 112'
	1-65	Gray granite GNEISS, some pink garnets, some quartz	6:00	113	C-1	NX CORE BARREL	REC=55"/60" =92%	RQD=55"/60" =92%		
			7:00	114						
			6:00	115						
			8:00	116						
			7:00	117						
		Gray granite GNEISS, some pink garnets, some quartz	7:00	118	C-2	NX CORE BARREL	REC=60"/60" =100%	RQD=55"/60" =92%		
			9:00	119						
			8:00	120						
			7:00	121						
-87.0			7:00	122						
		End of boring at 122'		123						
				124						
				125						
				126						
				127						
				128						
				129						
				130						
				131						
				132						

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Log of Boring **LEG-25** Sheet 1 of 5

Project: 166-218 Myrtle Avenue	Project No.: 5762901
Location: Brooklyn, N.Y.	Elevation and Datum: Approx. 35
Drilling Agency: Craig Test Boring	Date Started: 4/25/07 — Date Finished: 4/26/07
Drilling Equipment: Gus Pech Brat 22 R	Completion Depth: 112 ft — Rock Depth: 112 ft
Size and Type of Bit: 3 7/8" Tri-Cone Roller Bit	Number of Samples: Disturbed 26 — Undisturbed — Core -
Casing Diameter (in): 4" Steel Casing — Casing Depth (ft)	Water Level (ft.): First ▽ - — Completion ▼ - — 24 HR. ▼ -
Casing Hammer: Donut — Weight (lbs): 300 — Drop (in): 24	Drilling Foreman: Pat and Kyle
Sampler: 2" O.D. Split Spoon	Inspecting Engineer: Hrisa Gatzoulis
Sampler Hammer: Safety — Weight (lbs): 140 — Drop (in): 30	

Material Symbol	Elev. (ft)	Building Code	Sample Description	PID Reading (ppm)	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
	+35.0				0						
		11-65	Brown m-f SAND, some gravel, some silt, trace brick, trace asphalt [FILL]	1.5	1	S-1	SS	5	7, 5, 2	7	Soil sample LEG-25-0'-4'
			Brown m-f SAND, some gravel, some brick, some silt [FILL]	1.2	2, 3, 4	S-2	SS	6	3, 4, 5, 6	9	
			Brown m-f SAND, some gravel, some silt, trace brick [FILL]	1.0	5	S-3	SS	20	13, 15, 25, 19	40	
			Brown m-f SAND, some gravel, some silt, trace brick [FILL]	1.0	6, 7	S-4	SS	5	19, 20, 21, 19	41	
	+27.0				8						
			Possible concrete building foundation		9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20						Hard drilling, possible old concrete building foundation from 8'-20'. could not take samples, drilled and put casing
	+15.0										

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ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **LEG-25** Sheet 2 of 5

Project	Project No.
166-218 Myrtle Avenue	5762901
Location	**Elevation and Datum**
Brooklyn, N.Y.	Approx. 35

Sample Description	Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				13		Take S-5
Brown m-f SAND, trace m-f gravel, trace silt [SP]	S-5	SS	10	18 16 17	34	Hard drilling thru fill material down to 35'
				22		Take S-6
Brown m-f SAND, some gravel, trace silt [SP]	S-6	SS	20	22 25 29	47	
				23		Take S-7
GRAVEL, some m-f sand, trace silt [SP]	S-7	SS	1	36 28 30	64	
				22		Take S-8
Brown m-f SAND, some gravel, trace silt [SP]	S-8	SS	9	23 25 28	48	Soil sample LEG-25-27'-30'
				23		Take S-9
Brown m-f SAND, some gravel, some silt [SM]	S-9	SS	11	35 29 30	64	
				23		Take S-10
Brown m-f SAND, some gravel, some silt [SM] (wet)	S-10	SS	5	40 35 29	75	
				19		Roller bit to 35' Take S-11
Brown m-f SAND, some gravel, trace silt [SP]	S-11	SS	5	20 19 22	39	
				17		Roller bit to 40' Take S-12
Brown m-f SAND, some m-f gravel, trace silt [SP]	S-12	SS	5	19 20 23	39	

Depth Scale: 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

Elev. (ft): 7-65

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ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **LEG-25** Sheet 3 of 5

Project	Project No.
166-218 Myrtle Avenue	5762901
Location	**Elevation and Datum**
Brooklyn, N.Y.	Approx. 35

Material Symbol	Elev. (ft)	Building Code	Sample Description	PID Reading (ppm)	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Brown m-f SAND, trace m-f gravel, trace silt [SP]		45–47	S-13	SS	10	18, 24, 26, 28	50	Roller bit to 45' Take S-13
			Brown m-f SAND, trace silt [SP]		50–52	S-14	SS	11	16, 29, 30, 33	59	Roller bit to 50' Take S-14
		7-65	Brown m-f SAND, trace silt, trace m-f gravel [SP]		55–57	S-15	SS	14	13, 16, 19, 21	35	Roller bit to 55' Take S-15 End of day on 4/25/07
			Brown m-f SAND, trace silt [SP]		60–62	S-16	SS	16	15, 22, 25, 27	47	Roller bit to 60' Take S-16
			Brown m-f SAND, trace silt [SP]		65–67	S-17	SS	19	16, 21, 25, 28	46	Roller bit to 65' Take S-17

Depth scale: 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70

N-Value scale: 10 20 30 40

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ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **LEG-25** Sheet 4 of 5

Project	Project No.
166-218 Myrtle Avenue	5762901
Location	**Elevation and Datum**
Brooklyn, N.Y.	Approx. 35

Material Symbol	Elev. (ft)	Building Code	Sample Description	PID Reading (ppm)	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft)	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
					70						Roller bit to 70' Take S-18
			Brown m-f SAND, trace silt [SP]		71	S-18	SS	10	26 43 45 50	88	
					72						
					73						
					74						
					75						Roller bit to 75' Take S-19
			Brown m-f SAND, trace silt [SP]		76	S-19	SS	10	33 43 62 70	105	
					77						
					78						
					79						
					80						Roller bit to 80' Take S-20
			Brown m-f SAND, trace silt [SP]		81	S-20	SS	18	24 40 41 55	81	
		7-65			82						
					83						
					84						
					85						Roller bit to 85' Take S-21
			Brown m-f SAND, trace silt [SP]		86	S-21	SS	12	42 53 60 65	113	
					87						
					88						
					89						
					90						Roller bit to 90' Take S-22
			Brown m-f SAND, trace silt [SP]		91	S-22	SS	6	43 47 43 45	90	
					92						
					93						
					94						
					95						

N-Value scale: 10 20 30 40

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LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

Log of Boring **LEG-25** Sheet 5 of 5

Project	Project No.
166-218 Myrtle Avenue	5762901
Location	**Elevation and Datum**
Brooklyn, N.Y.	Approx. 35

Material Symbol	Elev. (ft)	Building Code	Sample Description	PID Reading (ppm)	Depth Scale	Sample Number	Type	Recov. (in)	Penetr. resist BL/6in	N-Value (Blows/ft) 10 20 30 40	Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
			Brown m-f SAND, trace silt [SP]		95	S-23	SS	12	21 27 55 60	82	Roller bit to 95' Take S-23
					96						
					97						
					98						
					99						
					100	S-24	SS	20	45 40 46 49	86	Roller bit to 100' Take S-24
			Brown m-f SAND, some m-f gravel, some clay, trace silt [SC]		101						
					102						
		7-65			103						
					104						
					105	S-25	SS	6	93 100/2"	Refusal	Roller bit to 105' Take S-25
			Gray m-f SAND, some silt, some clay, some gravel [SC]		106						
					107						
					108						
					109						
					110						
					111						
			Gray m-f SAND, some m-f gravel, some silt [SM]		112						Roller bit refusal at 112'
	-77.0		End of boring at 112'		113						
					114						
					115						
					116						
					117						
					118						
					119						
					120						

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Appendix B

Chain of Custody Documents

SA59631 mg
NYS CAT A

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3/22/07
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jamie Barr
Langan Engineering
360 W. 31st St.
NY, NY 10001
Project Mgr.: Tarek Khowri

Invoice To: (Same)
P.O. No.: RQN:

Project No.: 5762901
Site Name: 166-218 Myrtle Ave
Location: Brooklyn State: NY
Sampler(s): H. Gatzoulis

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

Containers: Analyses: QA Reporting Notes: (check if needed)

☐ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RCP Report
QA/QC Reporting Level ☐ Standard ☐ No QC ☐ Other
State specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Full NYSDEC TAGM 4046							
SA59631-01	LEG22-0-8	3/21/07	8:30am	G	SO	Ø		2			X							
02	LEG5-0-10	3/21/07	13:10	G	SO	Ø		2			X							
03	LEG5-16-18	3/21/07	14:11	G	SO	Ø		2			X							
04	LEG4-0-10	3/22/07	14:40	G	SO	Ø		2			X							

If you have any questions, call Jamie Barr at 212-479-5449

☐ Fax results when available to ( )
☒ E-mail to jbarr@langan.com
EDD Format Excel, Equis, PDF
Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 1.2

Relinquished by:	Received by:	Date:	Time:
H. Gatzoulis		3/22/07	15:00
FedEx	[illegible]	3/23/07	1020

SA 60023 BY NYS CAT A

SPECTRUM ANALYTICAL, INC.
Formerly
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 4/6/07
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jamie Barr
Langan Engineering
360 W 31st St. 8th Fl
NY, NY, 10001
Project Mgr.: Rick Rhoads

Invoice To: (Same)
P.O. No.: RQN:

Project No.: 570290
Site Name: 166-218 Myrtle Ave
Location: Brooklyn State: NY
Sampler(s): H. Gatzoulis and C. Bourdier

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	VOC's by 8260						
60023-01	LEG20-0-14	3/28/07	8:40am		SO	0		2			✓						
02	LEG20-22-24	3/28/07	9:30am		SO	0		2									
03	LEG15-0-4	3/30/07	9:10am		SO	0		2									
04	LEG15-20-22	3/30/07	9:32am		SO	0		2									

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other _____
State specific reporting standards:

Call Jamie Barr @ 212-479-5419 w/ any questions

See attached

☐ Fax results when available to ( ) _____
☒ E-mail to jbarr@langan.com
EDD Format Excel, Equis, PDF

Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 12.2

Relinquished by:	Received by:	Date:	Time:
H. Gatzoulis		3/30/07	15:30
Fed X	C. Bourdier	4/2/07	10:00

11 Almgren Drive • Agawam, Massachusetts 01001 • 413-789-9018 • Fax 413-789-4076 • www.spectrum-analytical.com

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SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 4/10/07
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jamie Beer
Lawson Engineering
360 W. 31st St. 8th Fl
NY, NY 10001
Project Mgr.: Tarek Khouri

Invoice To: (SAME)
P.O. No.: RQN:

Project No.: 576290
Site Name: 166 218 Myrtle Ave
Location: Brooklyn State: NY
Sampler(s): H Gonzalez and C Bradley

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other_____

State specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Full NYSDEC TAGM 4046						
60157-01	LEG120-4	4/2/07	11:35	G	SO			2			X						
02	LEG 12-10-18	4/2/07	11:50	G	SO			2			X						
03	LEG14-0-10	4/2/07	13:30	G	SO			2			X						
04	LEG 14-20-22	4/2/07	8:41	G	SO			2			X						
05	LEG 7-0-10	4/2/07	8:36	G	SO			2			X						
06	LEG7-16-18	4/2/07	8:55	G	SO			2			X						
07	LEG22A-0-6	4/3/07	10:00am	G	SO			2			X						
08	LEG22A-22-24	4/3/07	10:30am	G	SO			2			X						
09	LEG13-0-16	4/3/07	12:35	G	SO			2			X						
10	LEG13-22-24	4/3/07	12:35	G	SO			2			X						

☐ Fax results when available to (____) _____
☒ E-mail to jbaire@lawson.com
EDD Format excel, Equis, PDF

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 7.8 cooler Ice

Relinquished by:	Received by:		
[illegible]	[illegible]	4/3/07	16:00
Fed Ex	↓	4/4/07	10:15

11 Almgren Drive • Agawam, Massachusetts 01001 • 413-789-9018 • Fax 413-789-4076 • www.spectrum-analytical.com

SA61010 gr
NYS CAT A

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 4/30/07
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jamie Barr
Langan Eng
360 W. 31st St., 8th Fl
NY, NY 10001
Project Mgr.: J. Barr

Invoice To: S/a

P.O. No.: 5762901 RQN:

Project No.: 5762901
166-218
Site Name: Myrtle Ave
Location: Myrtle Ave & Princeton, Bklyn State: NY
Sampler(s): Stuart Knoop

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC ☒ Other NYS CAT A

State specific reporting standards: NYS CAT A

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TCL VOC	TCL SVOC	TAL Metals	PCBs	Pesticide/Herbicide	Full TCLP	RCRA (Ignitability, Reactivity, Corrosivity)	Chromium VI	QA Reporting Notes
SA61010-01	LEG23-0-2	4/23/07	12:30	G	SO	-		2			X	X	X	X	X				⊗ RCRA WC:
-02	LEG23-20-25	4/23/07	13:30	G	SO	-		2			X	X	X	X	X				Report waste characteristics:
-03	LEG23-GW	4/23/07	15:45	GW	G	3,4	3	2		1	X	X	X	X					ignitability,
-04	LEG23-0-25	4/23/07	14:30	C	SO			2								X	X	X	corrosivity,
-05	LEG18-0-4	4/23/07	9:00 am	G	SO			2			X	X	X	X	X	X	X	X	reactivity (CN, Sn)
-06	LEG18-20-23	4/23/07	13:30	G	SO			2			X	X	X	X	X	X	X	X	⊗ Full TCLP:
-07	DUP1	4/23/07		G	SO	-	-	2			X	X	X	X	X				TCLP, VOC, SVOC, metals,
-08	TB				GW	2	1				X								PCBs, Pest/Herb

☐ Fax results when available to ( )
☐ E-mail to jbarr@langan.com
EDD Format PDF, excel, Equis
Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 2.2

Relinquished by:	Received by:	Date:	Time:
Stuart Knoop 4/23/07 16:30			
Fed Ex	[signature]	4/24/07	1010

SA 61163 NYS CAT A

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jamie Barr
Langan Engineering
360 W. 31st St.
NY, NY 10001
Project Mgr.: Tarek Khouri

Invoice To: (Same)
P.O. No.: _____ RQN: _____

Project No.: 5762901
Site Name: 166-218 Myrtle Ave
Location: Brooklyn State: NY
Sampler(s): Arisa Gatzoulis

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_3$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	NYS Full TAGM 4046							
61162-01	LEG25-0-4	4/25/07	11:30 am	G	SO			2			X							
-02	LEG25-27-30	4/25/07	12:00	G	SO			2			X							

Analyses:

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other _____

State specific reporting standards: _____

If you have any questions contact A. Gatzoulis at 917-645-2354

☐ Fax results when available to (____) _____
☒ E-mail to jbarr@langan.com
EDD Format excel, PDF, Equis
Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 6.4

Relinquished by:	Received by:	Date:	Time:
A. Gatzoulis	FedEx	4/25/07	14:20
FedEx	[illegible]	4/26/07	10:20

SA61247 mg

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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 - DAY
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: LANGAN
360 W 31st ST., 8th FLOOR
NEW YORK, NY 10001

Project Mgr.: JAMIE BARR

Invoice To: SAME

P.O. No.: RQN:

Project No.: 57602901
Site Name: MYRTLE AVE
Location: BROOKLYN State: NY
Sampler(s): BRIAN GOCHENAUR

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	ON Time/OFF	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	# SUMA CANS	TO-15							
SA61247-01	SV-24-042607	4/26/07	11:37/12:35		A	/					1	X							
-02	SV-30-042607	4/26/07	14:02/15:03		A	/					1	X							
-03	AMB-042607	4/26/07	14:06/15:36		A	/					1	X							

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other _____

State specific reporting standards: NYS ASP "B"

☒ Fax results when available to (212) 479-5444
☒ E-mail to jbarr@bgochenaur@langan.com
EDD Format EQUIS + PDF + EXCEL
Condition upon receipt: ☐ Iced ☒ Ambient ☐ °C 19.1

Relinquished by:	Received by:	Date:	Time:
[signature]	FED EX	4/26/07	17:00
Fed ex	[signature]	4/27/07	9:05

S26124Bm

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
☐ Standard TAT - 7 to 10 business days
☒ Rush TAT - Date Needed: 3 days
All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes. Samples disposed of after 60 days unless otherwise instructed.

Report To: Langan Enviro Engineering, 360 W. 31st St, New York, NY 10001

Project Mgr.: Jamie Ram

Invoice To: Langan

P.O. No.: RQN:

Project No.:
Site Name: 166 Myrtle Ave
Location: Brooklyn State: NY
Sampler(s): B Qu

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA Reporting Notes: (check if needed)
☐ Provide MA DEP MCP CAM Report
☐ Provide CT DPH RCP Report
QA/QC Reporting Level
☐ Standard ☐ No QC
☒ Other Category A, NY
State specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	TCL VOC	TCL SVOC	TCL PCB	TAL metals
S-1 01048-01	LEG15-042607	4/26/07	945	G	GW	2,4	3	2		1	X	X	X	X
-02	LEG2-042607		1140				3	2		1	X	X	X	X
-03	LEG20-042607		1300				3	2		1	X	X	X	X
-04	LEG22-042607		1405				3	2		1	X	X	X	X
-05	TP-042607	4/26/07				2	3	2		1	X			

☐ Fax results when available to ( )
☒ E-mail to Jban@Langan.com
EDD Format Excel, PDF
Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 6.1

Relinquished by:	Received by:	Date:	Time:
Brandon Qu			
Fed Ex	R. Lombard	4/27/07	1000

SA 61260 mg
NYS CAT A

SPECTRUM ANALYTICAL, INC.
Featuring
HANSHAW TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of ____

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5/3/07
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jamie Pavia, Langan Engineering
360 W. 31st St.
NY, NY 10001

Project Mgr.: Tarek Khouri

Invoice To: (Same)

P.O. No.: ____ RQN: ____

Project No.: 5762801
Site Name: 166-218 Myrtle Ave
Location: Brooklyn, NY State: ____
Sampler(s): Alisa Gatzoulis

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9=____ 10=____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1=____ X2=____ X3=____

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other ____

State specific reporting standards: ____

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	NYSDEC Fuel (TAGM 4046)	Waste characteristics	Corrosivity *	Reactivity *	Ignitability *	Cyanide	Sulfide	Full TCLP	QA Reporting Notes
SA 61260-01	LEG24-0-2	4/26/07	12:30	G	SO	Ø		2			X	X	X	X	X	X	X	X	X	Please call A. Gatzoulis at 917-645-2354
																			* Waste characteristics = ignitability, corrosivity, reactivity per HG
																			see phone log

☐ Fax results when available to (____) ____
☒ E-mail to jpavia@langan.com
EDD Format Excel, Equis, PDF
Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 6.1

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	4/26/07	14:00
Pe [signature]	[signature]	4/27/07	11:05

SA61413 EY NYS CAT A

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 1 of

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 5/7/07
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jamie Barr
Langan Engineering
360 W. 31st St.
NY, NY 10001
Project Mgr.: Jamil Khawni

Invoice To: (Same)
P.O. No.: RQN:

Project No.: 576290
Site Name: 166-218 Myrtle Ave
Location: Brooklyn, NY State:
Sampler(s): Hrisa Gatzoulis

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	(NYSDEC Full TAGM 4046)	Hazardous Characteristics	Corrosivity	Reactivity	Ignitability	Cyanide	Sulfide	FULL TCLP
61413-01	LEG-84-88-30	4/30/07	8:30am	G	SO	Ø		2			X	X	X	X	X	X	X	X
	FB	4/30/07	14:00		W						X							

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other
*State specific reporting standards:

Please call 212-479-5483 H. Gatzoulis with any questions.

See attached

☐ Fax results when available to ( )
☐ E-mail to jbarr@langan.com
EDD Format Excel, PDF, Equis
Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 2°C

Relinquished by:	Received by:	Date:	Time:
[signature]		4/30/07	14:00
FedEx	[signature]	5/1/07	10:05

8A 603629

SPECTRUM ANALYTICAL, INC.
Formerly
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 48hrs
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: JAMIE BARR
360 W 31ST STREET
NEW YORK NY 10001

Project Mgr.: JAMIE BARR

Invoice To: SAME

P.O. No.: RQN:

Project No.: ~~WA~~ 5762901
Site Name: 166 ~~Myrtle~~ -216 Myrtle Ave
Location: Brooklyn State: NY
Sampler(s): T. JAROUDI

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☐ Other

State specific reporting standards: Category B"

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Silica Gel Summa	PO-15							QA Reporting Notes
603629-01	SV-C-061207	06/12/07	1:15PM 2:08PM		A						X	X							
-02	SV-E-061207	06/12/07	1:27PM 2:27PM		A						X	X							
-03	SV-F-061207	06/12/07	1:37PM 2:41PM		A						X	X							
-04	SV-G-061207	06/12/07	1:56PM 2:58PM		A						X	X							
-05	SV-22-061207	06/12/07	3:02PM 3:02PM		A						X	X							
-06	SV-AO-061207	06/12/07	3:38PM 3:38PM		A						X	X							AO (Ambient Outdoors)
-07	SV-A-061307	06/13/07	9:30AM 10:30AM		A						X	X							
-08	SV-AI-061307	06/13/07	9:30AM 10:30AM		A						X	X							AI (Ambient Indoors)
-09	SV-B-061307	06/13/07	9:30AM 10:30AM		A						X	X							

☒ Fax results when available to (212) 479-5444
☒ E-mail to tjaroudi, jbarr@langan.com
EDD Format Excel

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C 20

Relinquished by:	Received by:	Date:	Time:
06/13/07 10:30AM		6/14/07	11:35
		06/14/07	19:20

SA67825 (2)

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Featuring
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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3-day
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: JAMIE BARR
LANGAN ENGINEERING
360 W 31ST ST
NEW YORK NY 10001
Project Mgr.: TAREK KHOURI

Invoice To: (SAME)
P.O. No.: RQN:

Project No.: 51162901
Site Name: 166-218 MYRTLE AVENUE
Location: BROOKLYN State: NY
Sampler(s): H. GATZOULIS & A. WREN

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC ☒ Other NYS CAT B

State specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	NYSDEC TAGM 4046	TCLP VOCs	TCLP SVOCs	TCLP METALS	TCLP PESTICIDES	TCLP HERBICIDES	REACTIVITY (CN, S)	CORROSIVITY (pH, Cond)	IGNITABILITY
(67825-01	LEG2160-2	090707	1045	G	SO	Ø		1			X								
-02	LEG21b-22-24	090707	1535	G	SO	Ø		1			X	X							
-03	LEG21b-WC1	090707	1542	C	SO	Ø		2					X	X	X	X	X	X	X

☐ Fax results when available to (____) _____
☒ E-mail to jbarr@langan.com
EDD Format excel, pdf, equis
Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 2

Relinquished by:	Received by:	Date:	Time:
H. Gatzoulis		9/7/07	16:00
[illegible]	[illegible]	9/8/07	9:15

SA68097 CK

SPECTRUM ANALYTICAL, INC.
Featuring
HANDIVAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 Day
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jamie Baer
Langan Engineering
360 W. 31st St.
NY, NY 10001
Project Mgr.: Jamie Baer

Invoice To: (same)
P.O. No.: RQN:

Project No.: 5762901
Site Name: 166-218 Myrtle Ave
Location: Brooklyn State: NY
Sampler(s): H. Gatzoulis

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
- ☐ Standard ☐ No QC
- ☒ Other

State specific reporting standards: NYS CAT A

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	NYS TAGM 4046	TCLP VOCs	TCLP SVOCs	TCLP Metals	TCLP Pesticides	TCLP Herbicides	Reactivity (CNWS)	Corrosivity	Ignitability
SA68097-01	LEG-19(MW)-0-2	09/12/07	13:00	G	SO	∅		1			X								
02	LEG-19(MW)-24-26	09/12/07	13:15	G	SO	∅		1			X	X							
03	LEG-19(MW)-QC	09/12/07	13:30	C	SO	∅		2					X	X	X	X	X	X	X
04	DUP-3				SO	∅		1			X								
05	LEG-21C(0-2)	9/13/07	11:15	G	SO	∅		2			X								
~~06~~	~~LEG-21C(24-26)~~	~~9/13/07~~	~~12:30~~																
06	LEG-21C-22-24	9/13/07	12:30	G	SO	∅		2			X	X							
07	LEG-21C-QC	9/13/07	12:50	C	SO	∅		2					X	X	X	X	X	X	X

☐ Fax results when available to (____) _____
☒ E-mail to jbaer@langan.com
EDD Format excel, pdf, Equis
Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 4.6
Cooler

Relinquished by:	Received by:	Date:	Time:
H. Gatzoulis	Michael Graham	9-13-07	1:05 pm
Michael Graham		9/13/07	1630

SAC8202 OK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3-day
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: JAMIE BARR
LANGAN ENGINEERING
360 W 31ST STREET
NEW YORK, NY 10001
Project Mgr.: JAMIE BARR

Invoice To: (BARR)
P.O. No.: RQN:

Project No.: 5762901
Site Name: 166-218 MYRTLE AVE
Location: BROOKLYN State: NY
Sampler(s): H. CATZOULIS and A. LOWN

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8=$NaHSO_4$ 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW=Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
- ☐ Standard ☐ No QC
- ☒ Other

State specific reporting standards: NYS CAT B

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	NYS TAGM 4046	TCLP VOCs	TCLP SVOCs	TCLP Metals	TCLP Pesticides	TCLP Herbicides	Reactivity (RCRA characteristics)	Corrosivity	Ignitability	QA Reporting Notes
SAC8202(1)	LEG-23a(0-2)	9/14/07	~~11:45~~ 10:15	G	SO	ø		1			X									
02	LEG-23a(20-22)	9/14/07	11:45	G	SO	ø		1			X	X								
03	LEG-23a-WC	9/14/07	12:00	C	SO	ø		2					X	X	X	X	X	X	X	
04	DUP-2	9/14/07			SO	ø		1			X									

☐ Fax results when available to ( )
☒ E-mail to jbarr@langan.com
EDD Format excel, pdf, Equis
Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 2

Relinquished by:	Received by:	Date:	Time:
H. Catzoulis		9/14/07	15:00
[illegible]	[illegible]	9/15/07	953

SA 68280 FM

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 9/20/07
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Langan Engineering
360 W 31st St, 8th Floor
New York, NY 10001

Project Mgr.: Jamie Barr

Invoice To: Same

P.O. No.: RQN:

Project No.: 5762901
Site Name: Myrtle Ave
Location: Brooklyn State: NY
Sampler(s): J. Backus

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= None 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= DI Water X2= X3=

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		TCL SVOC by 8270	TCL VOC by 8260	PCBs	Pest, Herb	TAL Metals			
68280-01	MW-19	9/17/07	1325	G	GW	✓	3	3		1		✓	✓	✓	✓	✓			
02	TB (Trip Blank)	9/17/07	—			2	1						✓						
~~03~~	~~FB (Field Blank)~~	~~9/17/07~~	~~1500~~	~~G~~	~~X1~~		~~3~~			~~1~~		~~✓~~	~~✓~~	~~✓~~	~~✓~~	~~✓~~			
03	FB (Field Blank)	9/17/07	1500	G	X1		3			1			✓			✓			

Analyses:

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
- ☒ Standard ☐ No QC
- ☐ Other CAT B

State specific reporting standards:

☐ Fax results when available to (____)
☒ E-mail to jbarr@langan.com
EDD Format excel + pdf

Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 3

Relinquished by:	Received by:	Date:	Time:
[signature] 9/17/07	[signature]	9/18/07	1030

Appendix C

Well Construction Logs

WELL CONSTRUCTION SUMMARY

Well No. LEG-22

PROJECT 86 Fleet Place	**PROJECT NO.** 5762902
LOCATION Brooklyn, New York	**ELEVATION AND DATUM**
DRILLING AGENCY Craig Test Boring	**DATE STARTED** 4/3/2007 **DATE FINISHED** 3/30/2007
DRILLING EQUIPMENT Mud Rotary (w/Revert)	**DRILLER** Jonathan/Craig
SIZE AND TYPE OF BIT 3 7/8" Tricone roller bit	**INSPECTOR** H. Gatzoulis

METHOD OF INSTALLATION

PVC riser and screen inserted into casing; sand poured through casing - depth of sand measured during; bentonite pellets poured through casing; boring backfilled with cuttings after casing removal; locking cap attached to PVC; steel casing and flush-mount cover grouted at surface.

METHOD OF WELL DEVELOPMENT

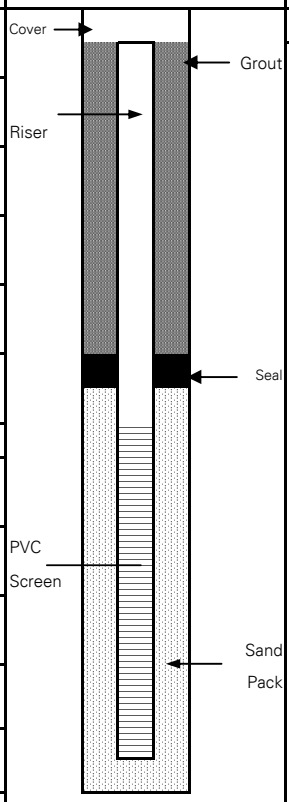
TYPE OF CASING PVC	**DIAMETER** 2 inches	**TYPE OF BACKFILL MATERIAL** Sand/ soil cuttings
TYPE OF SCREEN Sch. 40 PVC	**DIAMETER** 2 inches	**TYPE OF SEAL MATERIAL** Bentonite Pellets
BOREHOLE DIAMETER 4 inches		**TYPE OF FILTER MATERIAL** Sand

TOP OF CASING	**ELEVATION**	**DEPTH (ft)** 0
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)** 16
TOP OF FILTER	**ELEVATION**	**DEPTH (ft)** 18
TOP OF SCREEN	**ELEVATION**	**DEPTH (ft)** 18
BOTTOM OF BORING	**ELEVATION**	**DEPTH (ft)** 110
SCREEN LENGTH		15 feet
SLOT SIZE 0.01-inch		

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0.0
Fill	
	16.0
	18.0
	20.0
Red brn m-f sand	
brn c-f sand & gravel	24.0
brn m-f sand & gravel	26.0
	35'
	110.0

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WELL CONSTRUCTION SUMMARY

Well No. LEG-20

PROJECT 86 Fleet Place	**PROJECT NO.** 5762902
LOCATION Brooklyn, New York	**ELEVATION AND DATUM**
DRILLING AGENCY Craig Test Boring	**DATE STARTED** 3/30/2007 **DATE FINISHED** 3/30/2007
DRILLING EQUIPMENT Gus Pech Brat 22R	**DRILLER** Pat
SIZE AND TYPE OF BIT 3 7/8" Tri-cone Roller Bit	**INSPECTOR** C. Baudier

METHOD OF INSTALLATION

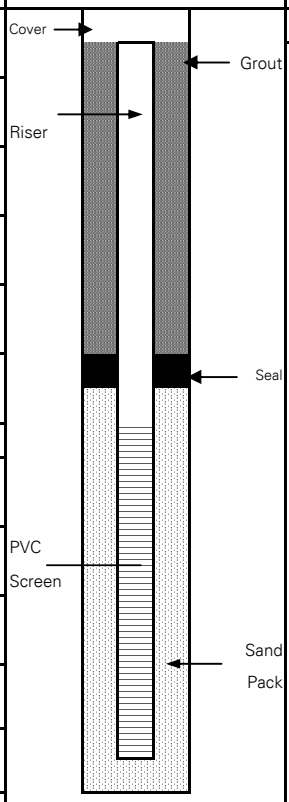
PVC riser and screen inserted into casing; sand poured through casing - depth of sand measured during; bentonite pellets poured through casing; boring backfilled with cuttings after casing removal; locking cap attached to PVC; steel casing and flush-mount cover grouted at surface.

METHOD OF WELL DEVELOPMENT

TYPE OF CASING PVC	**DIAMETER** 2 inches	**TYPE OF BACKFILL MATERIAL** Sand
TYPE OF SCREEN Sch. 40 PVC	**DIAMETER** 2 inches	**TYPE OF SEAL MATERIAL** Bentonite Pellets
BOREHOLE DIAMETER 4 inches		**TYPE OF FILTER MATERIAL** Sand

TOP OF CASING	**ELEVATION**	**DEPTH (ft)** 0
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)** 16
TOP OF FILTER	**ELEVATION**	**DEPTH (ft)** 18
TOP OF SCREEN	**ELEVATION**	**DEPTH (ft)** 20
BOTTOM OF BORING	**ELEVATION**	**DEPTH (ft)** 106
SCREEN LENGTH		15 feet
SLOT SIZE 0.01-inch		

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0.0
	16.0
	18.0
	20.0
	106.0

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER

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WELL CONSTRUCTION SUMMARY

Well No. LEG-23

PROJECT 86 Fleet Place	**PROJECT NO.** 5762902
LOCATION Brooklyn, New York	**ELEVATION AND DATUM**
DRILLING AGENCY Aquifer Drilling and Testing	**DATE STARTED** 4/23/2007 **DATE FINISHED** 4/23/2007
DRILLING EQUIPMENT Track-mounted geoprobe drill rig	**DRILLER**
SIZE AND TYPE OF BIT 2-inch Macrocore	**INSPECTOR** S. Knoop

METHOD OF INSTALLATION

PVC riser and screen inserted through macrocore; sand poured through macrocore - ; bentonite pellets poured through macrocore; boring backfilled with cuttings after removal; locking cap attached to PVC; steel casing and flush-mount cover grouted at surface.

METHOD OF WELL DEVELOPMENT

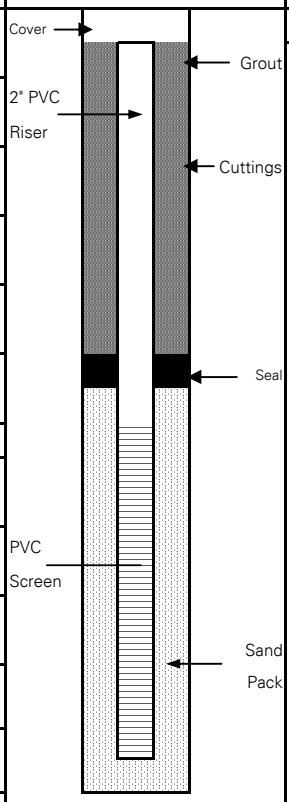
TYPE OF CASING PVC	**DIAMETER** 1 inch	**TYPE OF BACKFILL MATERIAL** Sand
TYPE OF SCREEN Sch. 40 PVC	**DIAMETER** 1 inch	**TYPE OF SEAL MATERIAL** Bentonite Pellets
BOREHOLE DIAMETER		**TYPE OF FILTER MATERIAL**

TOP OF CASING	**ELEVATION**	**DEPTH (ft)** 0.5
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)** 25
TOP OF FILTER	**ELEVATION**	**DEPTH (ft)** 23
TOP OF SCREEN	**ELEVATION**	**DEPTH (ft)** 25
BOTTOM OF BORING	**ELEVATION**	**DEPTH (ft)** 37
SCREEN LENGTH		10 ft.
SLOT SIZE 0.01-inch		

GROUNDWATER ELEVATIONS

ELEVATION	DATE	DEPTH TO WATER

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
	0.0
FILL - gravelly f-c SAND	
c-m SAND & trace silt	23.0
m-SAND	25.0
c-Sand & gravel	37.0

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WELL CONSTRUCTION SUMMARY

Well No. LEG-19

PROJECT 86 Fleet Place	**PROJECT NO.** 5762902
LOCATION Brooklyn, NY	**ELEVATION AND DATUM**
DRILLING AGENCY Craig Test Boring	**DATE STARTED** 9/13/2007 **DATE FINISHED** 9/13/2007
DRILLING EQUIPMENT CME 75	**DRILLER** Paul Mullins & Nick Beehler
SIZE AND TYPE OF BIT 3 7/8" Tri-cone Roller bit	**INSPECTOR** Hrisa Gatzoulis & Abigail Wren

METHOD OF INSTALLATION

Boring was drilled using mud rotary

METHOD OF WELL DEVELOPMENT

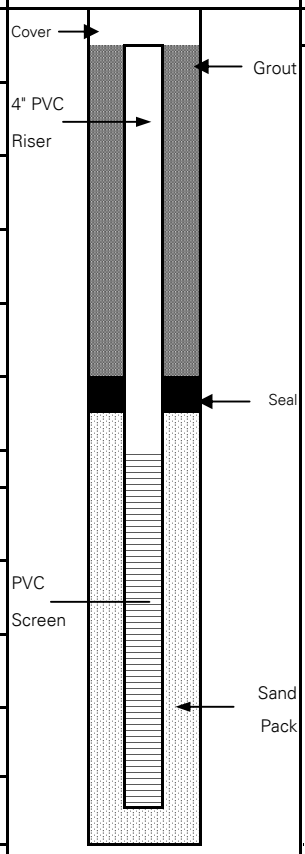
Grufundos pump, parameters tracked using horiba.

TYPE OF CASING PVC	**DIAMETER** 2"	**TYPE OF BACKFILL MATERIAL** Cuttings
TYPE OF SCREEN PVC	**DIAMETER** 2"	**TYPE OF SEAL MATERIAL** Bentonite
BOREHOLE DIAMETER 3"		**TYPE OF FILTER MATERIAL** #1 silica sand

TOP OF CASING	**ELEVATION**	**DEPTH (ft)**
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)** 16'
TOP OF FILTER	**ELEVATION**	**DEPTH (ft)** 18'
TOP OF SCREEN	**ELEVATION**	**DEPTH (ft)** 20'
BOTTOM OF BORING	**ELEVATION**	**DEPTH (ft)** 100'
SCREEN LENGTH		15'
SLOT SIZE 0.01-inch		

GROUNDWATER ELEVATIONS

ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**

WELL DETAILS	**SUMMARY SOIL CLASSIFICATION**	**DEPTH (FT)**
	Fill	
	brn m-f sand, so gravel, silt	
		35'
		100'

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WELL CONSTRUCTION SUMMARY

Well No. LEG-21c

PROJECT 86 Fleet Place	**PROJECT NO.** 5762902
LOCATION Brooklyn, NY	**ELEVATION AND DATUM**
DRILLING AGENCY Craig Test Boring	**DATE STARTED** 9/14/2007 **DATE FINISHED** 9/14/2007
DRILLING EQUIPMENT CME 75	**DRILLER** Paul Mullins & Nick Beehler
SIZE AND TYPE OF BIT 3 7/8" Tri-cone Roller bit	**INSPECTOR** Hrisa Gatzoulis & Abigail Wren

METHOD OF INSTALLATION

Boring was drilled using mud rotary

METHOD OF WELL DEVELOPMENT

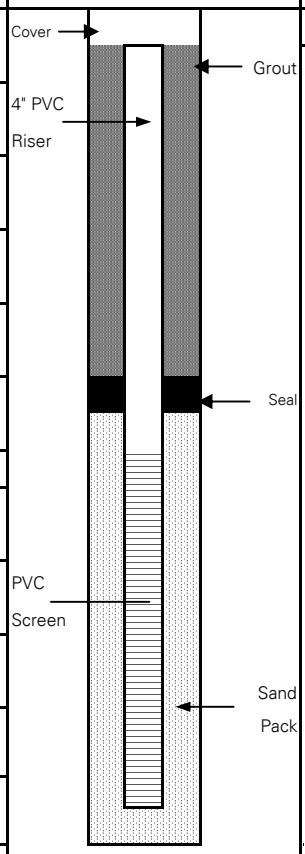
TYPE OF CASING PVC	**DIAMETER** 2"	**TYPE OF BACKFILL MATERIAL** Cuttings
TYPE OF SCREEN PVC slotted screen	**DIAMETER** 2"	**TYPE OF SEAL MATERIAL** Bentonite
BOREHOLE DIAMETER 3"		**TYPE OF FILTER MATERIAL** #1 silica sand

TOP OF CASING	**ELEVATION**	**DEPTH (ft)**
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)** 16'
TOP OF FILTER	**ELEVATION**	**DEPTH (ft)** 18'
TOP OF SCREEN	**ELEVATION**	**DEPTH (ft)** 20'
BOTTOM OF BORING	**ELEVATION**	**DEPTH (ft)** 37'
SCREEN LENGTH		15'
SLOT SIZE 0.01-inch		

GROUNDWATER ELEVATIONS

ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	DEPTH (FT)
Fill	
brn silt, so gravel, tr f sand	
brn m-f sand, so gravel	
	16'
	18'
	20'
brn m-f sand, so gravel, silt	
	35'
	37'

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WELL CONSTRUCTION SUMMARY

Well No. LEG-23A

PROJECT 86 Fleet Place	**PROJECT NO.** 5762902
LOCATION Brooklyn, NY	**ELEVATION AND DATUM**
DRILLING AGENCY Craig Test Boring	**DATE STARTED** 9/17/2007 **DATE FINISHED** 9/17/2007
DRILLING EQUIPMENT CME 75	**DRILLER** Paul Mullins & Nick Beehler
SIZE AND TYPE OF BIT 3 7/8" Tri-cone Roller bit	**INSPECTOR** Hrisa Gatzoulis

METHOD OF INSTALLATION

Boring was drilled using mud rotary

METHOD OF WELL DEVELOPMENT

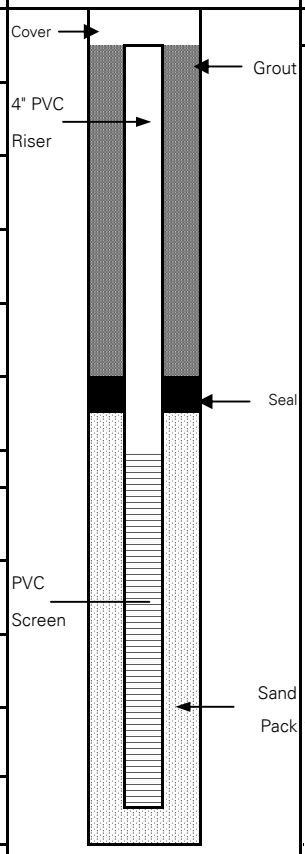
TYPE OF CASING PVC	**DIAMETER** 2"	**TYPE OF BACKFILL MATERIAL** Cuttings
TYPE OF SCREEN PVC	**DIAMETER** 2"	**TYPE OF SEAL MATERIAL** Bentonite
BOREHOLE DIAMETER 3"		**TYPE OF FILTER MATERIAL** #1 silica sand

TOP OF CASING	**ELEVATION**	**DEPTH (ft)**
TOP OF SEAL	**ELEVATION**	**DEPTH (ft)** 13'
TOP OF FILTER	**ELEVATION**	**DEPTH (ft)** 15'
TOP OF SCREEN	**ELEVATION**	**DEPTH (ft)** 17'
BOTTOM OF BORING	**ELEVATION**	**DEPTH (ft)** 115'
SCREEN LENGTH		15'
SLOT SIZE 0.01-inch		

GROUNDWATER ELEVATIONS

ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**
ELEVATION	**DATE**	**DEPTH TO WATER**

WELL DETAILS



SUMMARY SOIL CLASSIFICATION	**DEPTH (FT)**
Fill	13'
	15'
	17'
brn silt, so gravel	
gravel, so m-f sand, tr silt	
brn m-f sand, so gravel, tr silt	32'
	115'

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Appendix D

Groundwater Development and Sampling Logs

LEG-23A MONITORING WELL SAMPLING FORM

Project: 86 Fleet Place
Site Location: Brooklyn, NY
Date: 9/17/2007
Initial Water Level (ft):
Screened Interval (ft):
Well Diameter:
Total Depth of Well (ft):
Pump Intake Depth (ft): ~ 2' above bottom
Well No: LEG-23A
Desired Purge Rate (L/min):
Desired Compressor Pressure (psi): N/A
Purge Volume (gal):
PID Reading:
Purging Method:

DATE TIME	pH *	TEMP. C	COND.* ms/cm	Dis. O2 * ppm	ORP mV	Turbidity NTUs	DTW ft	PURGE RATE L/min	NOTES
NA	NA	NA	NA	NA	NA	NA	NA	NA	No parameters collected
Stabilization	+/- 0.1 for pH		+/- 3%	+/- 10%	+/- 10 mV	+/- 10%			

*=Stabilization is achieved after all parameters have stabilized for three successive readings.

LEG-23A MONITORING WELL DEVELOPMENT FORM

Project: 86 Fleet Place
Site Location: Brooklyn, NY
Date: 9/17/2007
Initial Water Level (ft):
Screened Interval (ft):
Well Diameter:
Total Depth of Well (ft):
Pump Intake Depth (ft): ~ 2' above bottom
Well No: LEG-23A
Desired Purge Rate (L/min):
Desired Compressor Pressure (psi): N/A
Purge Volume (gal):
PID Reading:
Purging Method:

DATE TIME	pH *	TEMP. C	COND.* ms/cm	Dis. O2 * ppm	ORP mV	Turbidity NTUs	DTW ft	PURGE RATE L/min	NOTES
NA	NA	NA	NA	NA	NA	NA	NA	NA	No parameters collected
Stabilization	+/- 0.1 for pH		+/- 3%	+/- 10%	+/- 10 mV	+/- 10%			

*=Stabilization is achieved after all parameters have stabilized for three successive readings.

LEG-23 MONITORING WELL SAMPLING FORM

Project: 86 Fleet Place
Site Location: Brooklyn, NY
Date: 4/23/2007
Initial Water Level (ft):
Screened Interval (ft):
Well Diameter: 2"
Total Depth of Well (ft): 37.00
Pump Intake Depth (ft): ~ 2' above bottom
Well No: LEG 23
Desired Purge Rate (L/min):
Desired Compressor Pressure (psi): N/A
Purge Volume (gal): 5
PID Reading: 0 ppm
Purging Method: Grufundos pump

DATE TIME	pH *	TEMP. C	COND.* ms/cm	Dis. O2 * ppm	ORP mV	Turbidity NTUs	DTW ft	PURGE RATE L/min	NOTES
NA	NA	NA	NA	NA	NA	NA	NA	NA	No parameters taken.
									15:45 Grab sample collected from temporary well point.
Stabilization	+/- 0.1 for pH		+/- 3%	+/- 10%	+/- 10 mV	+/- 10%			

*=Stabilization is achieved after all parameters have stabilized for three successive readings.

LEG-20 MONITORING WELL DEVELOPMENT FORM

Project: 86 Fleet Place
Site Location: Brooklyn, NY
Date: 4/11/2007
Initial Water Level (ft): 31.57
Screened Interval (ft):
Well Diameter: 2"
Total Depth of Well (ft): 37.60
Pump Intake Depth (ft): ~ 2' above bottom
Well No: MW-x (boring LEG20)
Desired Purge Rate (L/min):
Desired Compressor Pressure (psi): N/A
Purge Volume (gal): approximately 15
PID Reading: 0 ppm
Purging Method: Submersible pump

DATE TIME	pH *	TEMP. C	COND.* ms/cm	Dis. O2 * ppm	ORP mV	Turbidity NTUs	DTW ft	PURGE RATE L/min	NOTES
9:20	7.8	15.54	0.964	1.73	-38	>1500	31.57	1	9:20 - started purging. Water had high solid and was in gray color.
9:30	7.29	17.93	0.988	0.40	-26	12.1	31.62	1	
9:40	7.26	17.83	0.986	0.74	-16	2.4	31.62	1	9:30 - water became clear
9:50	7.28	17.87	0.994	1.17	-4	9.5	31.62	1	
10:00	7.36	17.90	0.989	1.59	1	0	31.62	1	
10:10	7.40	18.13	0.981	1.99	5	0	31.62	1	
10:20	7.42	17.60	0.971	2.30	7	0	31.62	Stop	
Stabilization	+/- 0.1 for pH		+/- 3%	+/- 10%	+/- 10 mV	+/- 10%			

*=Stabilization is achieved after all parameters have stabilized for three successive readings.

LEG-20 MONITORING WELL SAMPLING FORM

Project: 86 Fleet Place
Site Location: Brooklyn, NY
Date: 4/26/2007
Initial Water Level (ft): 31.17
Screened Interval (ft):
Well Diameter: 2"
Total Depth of Well (ft): 37.52
Pump Intake Depth (ft): ~ 2' above bottom
Well No: LEG 20
Desired Purge Rate (L/min):
Desired Compressor Pressure (psi): N/A
Purge Volume (gal): 5
PID Reading: 0 ppm
Purging Method: Grufundos pump

DATE TIME	pH *	TEMP. C	COND.* ms/cm	Dis. O2 * ppm	ORP mV	Turbidity NTUs	DTW ft	PURGE RATE L/min	NOTES
12:20	7.19	19.04	0.872	3.42	0	393	31.20	0.5	12:09 Started purging, high turbidity at the beginning
12:30	7.19	18.71	0.864	3.04	4	197	31.20	0.5	
12:35	7.18	18.41	0.864	3.17	9	173	31.20	0.5	
12:40	7.21	18.29	0.869	3.32	10	107	31.20	0.5	
12:45	7.19	19.31	0.857	3.18	13	102	31.20	0.5	
12:50	7.27	18.59	0.863	3.50	13	83.5	31.20	0.5	
12:55	7.28	19.59	0.862	3.51	14	91.4	31.20	0.5	12:55 Water appeared clean. Turbidity reading was not stable
13:00	7.30	19.69	0.861	3.55	14	88.5	31.20	0.5	
									13:00 Turbidity reading was not stable. Take samples
Stabilization	+/- 0.1 for pH		+/- 3%	+/- 10%	+/- 10 mV	+/- 10%			

*=Stabilization is achieved after all parameters have stabilized for three successive readings.

LEG-22 MONITORING WELL DEVELOPMENT FORM

Project: 86 Fleet Place
Site Location: Brooklyn, NY
Date: 4/11/2007
Initial Water Level (ft): 33.50
Screened Interval (ft):
Well Diameter: 2"
Total Depth of Well (ft): 38.03
Pump Intake Depth (ft): ~ 2' above bottom
Well No: MW-x (boring LEG22)
Desired Purge Rate (L/min):
Desired Compressor Pressure (psi): N/A
Purge Volume (gal): approximately 15
PID Reading: 0 ppm
Purging Method: Submersible pump

DATE TIME	pH *	TEMP. C	COND.* ms/cm	Dis. O2 * ppm	ORP mV	Turbidity NTUs	DTW ft	PURGE RATE L/min	NOTES
11:00	7.53	15.94	1.070	0.00	-30	>1500	33.50	1	11:00 - started purging. Water had high solid and was in beige color. 14:20 - water became clear
11:10	7.24	18.54	1.090	0.79	-5	286	33.10	1	
11:20	7.26	18.33	1.070	2.40	21	100	33.10	1	
11:30	7.27	17.92	1.060	3.09	35	58.7	33.12	1	
11:40	7.28	17.85	1.050	3.27	37	11	33.12	1	
11:50	7.28	17.82	1.040	3.58	39	0	33.12	1	
11:55	7.28	17.81	1.050	3.46	39	0	33.12	1	
12:00	7.31	17.78	1.040	3.79	39	0	33.12	stop	
Stabilization	+/- 0.1 for pH		+/- 3%	+/- 10%	+/- 10 mV	+/- 10%			

*=Stabilization is achieved after all parameters have stabilized for three successive readings.

LEG-22 MONITORING WELL SAMPLING FORM

Project: 86 Fleet Place
Site Location: Brooklyn, NY
Date: 4/26/2007
Initial Water Level (ft): 32.68
Screened Interval (ft):
Well Diameter: 2"
Total Depth of Well (ft): 37.88
Pump Intake Depth (ft): ~ 2' above bottom
Well No: LEG 22
Desired Purge Rate (L/min):
Desired Compressor Pressure (psi): N/A
Purge Volume (gal): 5
PID Reading: 0 ppm
Purging Method: Grufundos pump

DATE TIME	pH *	TEMP. C	COND.* ms/cm	Dis. O2 * ppm	ORP mV	Turbidity NTUs	DTW ft	PURGE RATE L/min	NOTES
13:30	7.3	19.78	0.861	5.62	22	300	33.70	0.5	13:23 Started purging. High turbidity at the beginning
13:35	7.35	19.91	0.862	5.55	24	164	32.70	0.5	
13:40	7.34	19.50	0.861	5.58	27	101	32.70	0.5	
13:45	7.33	19.47	0.864	5.52	31	61	32.70	0.5	
13:50	7.34	19.52	0.862	5.73	34	47.7	32.70	0.5	
13:55	7.32	19.34	0.866	5.86	37	33.0	32.70	0.5	
14:00	7.31	19.30	0.866	5.69	40	29.7	32.70	0.5	
14:05	7.32	19.51	0.866	5.69	40	30.0	32.70	0.5	14:05 Sampling for VOC, SVOC, PCB, metals
Stabilization	+/- 0.1 for pH		+/- 3%	+/- 10%	+/- 10 mV	+/- 10%			

*=Stabilization is achieved after all parameters have stabilized for three successive readings.

MW-19 MONITORING WELL SAMPLING FORM

Project: 86 Fleet Place
Site Location: Brooklyn, NY
Date: 9/17/2007
Initial Water Level (ft): 25.5
Pump Intake Depth (ft): ~ 5' from bottom
Well No: MW-19
Desired Purge Rate (L/min):
Desired Compressor Pressure (psi): N/A
Purge Volume (gal): ~ 7 gal

DATE TIME	pH *	TEMP. C	COND.* ms/cm	Dis. O2 * ppm	ORP mV	Turbidity NTUs	DTW ft	PURGE RATE L/min	NOTES
9/17/2007									
1235	6.74	15.24	0.745	3.35	-27	"-5.0"	27.25	~ 5	Start purge @ 1235
1240	6.65	15.16	0.755	3.73	-7	"-5.0"	27.25	~ 5	water appears clear
1245	6.65	15.16	0.747	3.93	1	"-5.0"	27.25	~ 5	
1250	6.66	15.15	0.736	4.19	8	"-5.0"	27.25	~ 5	water appears clear
1255	6.68	15.15	0.731	4.37	12	618.0	27.25	~ 5	no odors/sheen
1300	6.68	15.15	0.728	4.44	15	491.0	27.25	~ 5	
1305	6.70	15.15	0.725	4.53	19	426.0	27.25	~ 5	
1310	6.71	15.15	0.720	4.64	21	400.0	27.25	~ 5	
1315	6.72	15.15	0.718	4.65	22	410.0	27.25	~ 5	
1320	6.73	15.15	0.714	4.73	24	403.0	27.25	~ 5	
1325	6.74	15.15	0.713	4.74	23	397.0	27.25	~ 5	Sampled @ 1325
									for VOC, SVOC, PCB, Pest, Herb, Metals
Stabilization	+/- 0.1 for pH		+/- 3%	+/- 10%	+/- 10 mV	+/- 10%			

*=Stabilization is achieved after all parameters have stabilized for three successive readings.

MW-19 MONITORING WELL DEVELOPMENT FORM

Project: 86 Fleet Place
Initial Water Level (ft): ~16.3
Desired Purge Rate (L/min):

Site Location: Brooklyn, NY
Pump Intake Depth (ft): ~ 5' from bottom
Desired Compressor Pressure (psi): N/A

Date: 9/13/2007
Well No: MW-19
Purge Volume (gal): at least 15 gallons

DATE TIME	pH *	TEMP. C	COND.* ms/cm	Dis. O2 * ppm	ORP mV	Turbidity NTUs	DTW ft	PURGE RATE L/min	NOTES
9/13/2007									
1130	7.74	17.55	0.468	2.45	-22	"-5.0"	27.5	~ 6	well was installed 1 hour prior to
1140	7.46	17.16	0.557	4.89	6	"-5.0"	27.2	~ 6	development
1145	7.23	16.67	0.657	5.45	18	949.0	27.1	~ 6	start purge @ 1130
1150	7.20	16.61	0.665	5.54	21	605.0	27.1	~ 6	
155	7.18	16.53	0.678	5.66	24	318.0	27.1	~ 6	
1200	7.12	16.33	0.694	5.86	36	131.0	27.1	~ 6	
1205	7.12	16.29	0.696	5.89	37	106.0	27.0	~ 6	
1210	7.10	16.24	0.700	5.91	40	81.2	27.0	~ 6	
1215	7.09	16.19	0.702	5.93	42	75.8	27.1	~ 6	
1220	7.09	16.14	0.704	5.96	44	67.6	27.1	~ 6	
1225	7.07	16.10	0.698	5.79	41	363.0	27.0	~ 6	agitated pump while purging for ~ 1 min
1230	7.07	16.03	0.707	5.91	43	444.0	27.0	~ 6	
1235	7.07	16.00	0.706	5.90	43	479.0	27.0	~ 6	
1245	7.07	15.92	0.712	5.90	45	262.0	27.0	~ 6	
1250	7.06	15.88	0.700	5.62	31	"-5.0"	27.0	~ 6	agitated pump while purging for ~ 1 min
1300	7.04	15.81	0.714	5.77	42	180.0	27.0	~ 6	
1305	7.04	15.81	0.713	5.70	43	77.0	27.0	~ 6	
1310	7.03	15.72	0.712	5.64	44	371.0	27.0	~ 6	agitated pump while purging for ~ 1 min
1315	7.03	15.71	0.710	5.70	52	28.7	27.0	~ 6	agitated pump through to well bottom;
									turbidity observed from "-5.0" to 168.0 after
									~ 30 sec
									END PURGE
Stabilization	+/- 0.1 for pH		+/- 3%	+/- 10%	+/- 10 mV	+/- 10%			

*=Stabilization is achieved after all parameters have stabilized for three successive readings.

LEG-21c MONITORING WELL SAMPLING FORM

Project: 86 Fleet Place
Site Location: Brooklyn, NY
Date:
Initial Water Level (ft):
Screened Interval (ft):
Well Diameter:
Total Depth of Well (ft):
Pump Intake Depth (ft): ~ 2' above bottom
Well No: LEG-21c
Desired Purge Rate (L/min):
Desired Compressor Pressure (psi): N/A
Purge Volume (gal):
PID Reading:
Purging Method:

DATE TIME	pH *	TEMP. C	COND.* ms/cm	Dis. O2 * ppm	ORP mV	Turbidity NTUs	DTW ft	PURGE RATE L/min	NOTES
NA	NA	NA	NA	NA	NA	NA	NA	NA	No parameters collected
Stabilization	+/- 0.1 for pH		+/- 3%	+/- 10%	+/- 10 mV	+/- 10%			

*=Stabilization is achieved after all parameters have stabilized for three successive readings.

LEG-21c MONITORING WELL DEVELOPMENT FORM

Project: 86 Fleet Place
Site Location: Brooklyn, NY
Date:
Initial Water Level (ft):
Screened Interval (ft):
Well Diameter:
Total Depth of Well (ft):
Pump Intake Depth (ft): ~ 2' above bottom
Well No: LEG-21c
Desired Purge Rate (L/min):
Desired Compressor Pressure (psi): N/A
Purge Volume (gal):
PID Reading:
Purging Method:

DATE TIME	pH *	TEMP. C	COND.* ms/cm	Dis. O2 * ppm	ORP mV	Turbidity NTUs	DTW ft	PURGE RATE L/min	NOTES
NA	NA	NA	NA	NA	NA	NA	NA	NA	No parameters collected
Stabilization	+/- 0.1 for pH		+/- 3%	+/- 10%	+/- 10 mV	+/- 10%			

*=Stabilization is achieved after all parameters have stabilized for three successive readings.

LEG-23 MONITORING WELL DEVELOPMENT FORM

Project: 86 Fleet Place
Site Location: Brooklyn, NY
Date:
Initial Water Level (ft):
Screened Interval (ft):
Well Diameter: 2"
Total Depth of Well (ft):
Pump Intake Depth (ft): ~ 2' above bottom
Well No: LEG 23
Desired Purge Rate (L/min):
Desired Compressor Pressure (psi): N/A
Purge Volume (gal):
PID Reading:
Purging Method:

DATE TIME	pH *	TEMP. C	COND.* ms/cm	Dis. O2 * ppm	ORP mV	Turbidity NTUs	DTW ft	PURGE RATE L/min	NOTES
NA	NA	NA	NA	NA	NA	NA	NA	NA	No parameters taken.
Stabilization	+/- 0.1 for pH		+/- 3%	+/- 10%	+/- 10 mV	+/- 10%			

*=Stabilization is achieved after all parameters have stabilized for three successive readings.

Appendix E

Laboratory Analytical Results

Report Date:
27-Mar-07 10:40

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: 166-218 Myrtle Ave - Brooklyn, NY
Project 5762901

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA59631-01	LEG 22-0-8	Soil	21-Mar-07 08:30	23-Mar-07 10:20
SA59631-02	LEG 5-0-10	Soil	21-Mar-07 13:10	23-Mar-07 10:20
SA59631-03	LEG 5-16-18	Soil	21-Mar-07 14:11	23-Mar-07 10:20
SA59631-04	LEG 4-0-10	Soil	22-Mar-07 14:40	23-Mar-07 10:20

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 40 pages of analytical data plus Chain of Custody document(s).
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New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 22-0-8 SA59631-01	5762901	Soil	21-Mar-07 08:30	23-Mar-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A			1	VOC	23-Mar-07	23-Mar-07	7031461	BD
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	6.5	2.7	1	SW 846 8260B	23-Mar-07	26-Mar-07	7031438	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	129	56.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.5	0.7	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	64.7	4.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	32.4	0.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.5	0.8	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	12.9	1.4	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.5	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.5	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.5	1.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.5	0.9	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.5	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.5	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.5	0.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	64.7	0.7	1	"	"	"	"	"
75-09-2	Methylene chloride	4.6	J	µg/kg dry	64.7	3.1	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.5	1.0	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	6.5	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.5	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.5	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.5	0.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.5	0.7	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.5	0.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	12.9	1.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.5	1.2	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*99*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*98*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*94*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*97*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	16.2	0.136	1	SW846 8081A	23-Mar-07	25-Mar-07	7031401	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	16.2	0.258	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	16.2	0.263	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	16.2	0.200	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	16.2	0.182	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	80.8	0.900	1	"	"	"	"	"
72-54-8	4,4-DDD (p,p')	BRL	U	µg/kg dry	16.2	0.376	1	"	"	"	"	"
72-55-9	4,4-DDE (p,p')	BRL	U	µg/kg dry	16.2	0.374	1	"	"	"	"	"
50-29-3	4,4-DDT (p,p')	BRL	U	µg/kg dry	16.2	0.345	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 22-0-8 SA59631-01	5762901	Soil	21-Mar-07 08:30	23-Mar-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	16.2	0.244	1	SW846 8081A	23-Mar-07	25-Mar-07	7031401	TG
959-98-8	Endosulfan I	BRL	U	µg/kg dry	16.2	0.661	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	16.2	0.581	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	16.2	0.421	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	16.2	0.551	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	16.2	0.435	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	16.2	0.165	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	16.2	0.245	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	16.2	0.245	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	16.2	0.610	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	16.2	1.08	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*67*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*133*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
12674-11-2	PCB 1016	BRL	U	µg/kg dry	32.3	2.03	1	SW846 8082	23-Mar-07	25-Mar-07	7031370	MP
11104-28-2	PCB 1221	BRL	U	µg/kg dry	32.3	2.03	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/kg dry	32.3	4.75	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/kg dry	32.3	4.07	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/kg dry	32.3	4.86	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/kg dry	32.3	1.47	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/kg dry	32.3	1.69	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	23-Mar-07	23-Mar-07	7031402	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*71*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	484	11.7	2	SW846 8270C	23-Mar-07	25-Mar-07	7031403	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	484	14.7	2	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	484	37.3	2	"	"	"	"	"
120-12-7	Anthracene	238	J	µg/kg dry	484	14.7	2	"	"	"	"	"
56-55-3	Benzo (a) anthracene	376	J	µg/kg dry	484	31.2	2	"	"	"	"	"
50-32-8	Benzo (a) pyrene	343	J	µg/kg dry	484	16.6	2	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	314	J	µg/kg dry	484	64.5	2	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	159	J	µg/kg dry	484	13.6	2	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	373	J	µg/kg dry	484	19.5	2	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	484	8.80	2	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	484	93.0	2	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	484	55.7	2	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	484	17.6	2	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 22-0-8	5762901	Soil	21-Mar-07 08:30	23-Mar-07
SA59631-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	484	46.9	2	SW846 8270C	23-Mar-07	25-Mar-07	7031403	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	484	9.78	2	"	"	"	"	"
218-01-9	Chrysene	422	J	µg/kg dry	484	6.89	2	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	484	7.77	2	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	484	5.87	2	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	484	35.2	2	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	484	12.8	2	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	484	15.7	2	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	484	13.6	2	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	484	12.8	2	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	484	30.4	2	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	484	11.7	2	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	484	23.5	2	"	"	"	"	"
206-44-0	Fluoranthene	848		µg/kg dry	484	11.7	2	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	484	11.7	2	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	484	36.2	2	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	179	J	µg/kg dry	484	22.4	2	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	484	29.3	2	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	484	10.7	2	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	484	20.5	2	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	484	11.7	2	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	484	18.6	2	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	484	5.87	2	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	484	16.6	2	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	484	17.6	2	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	484	22.4	2	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	1940	25.4	2	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	1940	31.2	2	"	"	"	"	"
85-01-8	Phenanthrene	413	J	µg/kg dry	484	22.4	2	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	484	9.78	2	"	"	"	"	"
129-00-0	Pyrene	1,060		µg/kg dry	484	34.3	2	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	484	9.78	2	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*50*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*48*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*62*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*57*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*64*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*40*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.02	0.811	1	SW846 6010B	23-Mar-07	24-Mar-07	7031398	LR
7429-90-5	Aluminum	4,790		mg/kg dry	1.53	1.14	1	"	"	"	"	"
7440-38-2	Arsenic	2.68		mg/kg dry	1.53	0.398	1	"	"	"	"	"
7440-39-3	Barium	90.5		mg/kg dry	0.510	0.168	1	"	"	"	"	"
7440-41-7	Beryllium	0.224		mg/kg dry	0.204	0.0740	1	"	"	"	"	"
7440-70-2	Calcium	7,040		mg/kg dry	5.10	4.93	1	"	"	"	"	"
7440-43-9	Cadmium	1.60		mg/kg dry	0.255	0.0255	1	"	"	"	"	"
7440-48-4	Cobalt	4.90		mg/kg dry	0.510	0.0357	1	"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 22-0-8 SA59631-01	5762901	Soil	21-Mar-07 08:30	23-Mar-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	10.9		mg/kg dry	0.510	0.240	1	SW846 6010B	23-Mar-07	24-Mar-07	7031398	LR
7440-50-8	Copper	23.9		mg/kg dry	0.510	0.163	1	"	"	"	"	"
7439-89-6	Iron	16,100		mg/kg dry	0.510	0.408	1	"	"	"	"	"
7439-97-6	Mercury	0.0822		mg/kg dry	0.0342	0.0068	1	SW846 7471A	"	26-Mar-07	7031399	YP
7440-09-7	Potassium	977		mg/kg dry	12.8	2.29	1	SW846 6010B	"	24-Mar-07	7031398	LR
7439-95-4	Magnesium	4,930		mg/kg dry	25.5	4.95	10	"	"	24-Mar-07	"	"
7439-96-5	Manganese	273		mg/kg dry	2.04	0.0781	1	"	"	24-Mar-07	"	"
7440-23-5	Sodium	263		mg/kg dry	12.8	4.17	1	"	"	"	"	"
7440-02-0	Nickel	23.7		mg/kg dry	0.510	0.179	1	"	"	"	"	"
7439-92-1	Lead	157		mg/kg dry	0.765	0.230	1	"	"	"	"	"
7440-36-0	Antimony	0.638	J	mg/kg dry	1.53	0.260	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.53	0.607	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	1.53	0.255	1	"	"	"	"	"
7440-62-2	Vanadium	15.9		mg/kg dry	0.510	0.0663	1	"	"	"	"	"
7440-66-6	Zinc	379		mg/kg dry	0.510	0.158	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	86.3		%			1	SM2540 G Mod.	24-Mar-07	24-Mar-07	7031469	QP
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.07	0.429	1	10-204-00-1-A / SW846 9012A	26-Mar-07	26-Mar-07	7031547	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 5-0-10 SA59631-02	5762901	Soil	21-Mar-07 13:10	23-Mar-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A			1	VOC	23-Mar-07	23-Mar-07	7031461	BD
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	7.4	3.0	1	SW 846 8260B	23-Mar-07	26-Mar-07	7031438	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	147	64.6	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	7.4	0.8	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	73.7	5.2	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	36.8	0.7	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	7.4	0.7	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	7.4	1.0	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	14.7	1.6	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	7.4	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	7.4	1.1	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	7.4	1.7	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	7.4	0.7	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	7.4	1.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	7.4	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	7.4	0.7	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	7.4	0.6	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	7.4	0.7	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	7.4	0.7	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	7.4	0.9	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	73.7	0.8	1	"	"	"	"	"
75-09-2	Methylene chloride	5.3	J	µg/kg dry	73.7	3.5	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	7.4	1.2	1	"	"	"	"	"
127-18-4	Tetrachloroethene	2.4	J	µg/kg dry	7.4	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	7.4	1.2	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	7.4	0.6	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	7.4	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	7.4	0.8	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	7.4	0.7	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	7.4	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	14.7	1.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	7.4	1.3	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*93*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*94*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*93*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*95*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	16.7	0.140	1	SW846 8081A	23-Mar-07	25-Mar-07	7031401	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	16.7	0.267	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	16.7	0.272	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	16.7	0.207	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	16.7	0.188	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	83.6	0.932	1	"	"	"	"	"
72-54-8	4,4-DDD (p,p')	BRL	U	µg/kg dry	16.7	0.389	1	"	"	"	"	"
72-55-9	4,4-DDE (p,p')	BRL	U	µg/kg dry	16.7	0.387	1	"	"	"	"	"
50-29-3	4,4-DDT (p,p')	BRL	U	µg/kg dry	16.7	0.357	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 5-0-10 SA59631-02	5762901	Soil	21-Mar-07 13:10	23-Mar-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	16.7	0.252	1	SW846 8081A	23-Mar-07	25-Mar-07	7031401	TG
959-98-8	Endosulfan I	BRL	U	µg/kg dry	16.7	0.684	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	16.7	0.601	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	16.7	0.436	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	16.7	0.570	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	16.7	0.450	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	16.7	0.171	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	16.7	0.254	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	16.7	0.254	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	16.7	0.631	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	16.7	1.12	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*66*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*147*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
12674-11-2	PCB 1016	BRL	U	µg/kg dry	33.4	2.10	1	SW846 8082	23-Mar-07	25-Mar-07	7031370	MP
11104-28-2	PCB 1221	BRL	U	µg/kg dry	33.4	2.10	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/kg dry	33.4	4.91	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/kg dry	33.4	4.21	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/kg dry	33.4	5.03	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/kg dry	33.4	1.52	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/kg dry	33.4	1.75	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	23-Mar-07	23-Mar-07	7031402	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*58*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	720	17.5	10	SW846 8270C	23-Mar-07	24-Mar-07	7031403	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	720	21.8	10	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	720	55.4	10	"	"	"	"	"
120-12-7	Anthracene	1,220		µg/kg dry	720	21.8	10	"	"	"	"	"
56-55-3	Benzo (a) anthracene	1,160		µg/kg dry	720	46.5	10	"	"	"	"	"
50-32-8	Benzo (a) pyrene	810		µg/kg dry	720	24.7	10	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	921		µg/kg dry	720	96.0	10	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	436	J	µg/kg dry	720	20.3	10	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	1,000		µg/kg dry	720	29.0	10	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	720	13.1	10	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	720	138	10	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	720	82.9	10	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	720	26.2	10	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 5-0-10	5762901	Soil	21-Mar-07 13:10	23-Mar-07
SA59631-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	720	69.8	10	SW846 8270C	23-Mar-07	24-Mar-07	7031403	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	720	14.6	10	"	"	"	"	"
218-01-9	Chrysene	1,300		µg/kg dry	720	10.3	10	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	720	11.6	10	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	720	8.73	10	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	720	52.4	10	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	720	19.0	10	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	720	23.3	10	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	720	20.3	10	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	720	19.0	10	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	720	45.2	10	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	720	17.5	10	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	720	34.9	10	"	"	"	"	"
206-44-0	Fluoranthene	2,530		µg/kg dry	720	17.5	10	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	720	17.5	10	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	720	53.9	10	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	412	J	µg/kg dry	720	33.4	10	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	720	43.6	10	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	720	15.9	10	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	720	30.5	10	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	720	17.5	10	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	720	27.7	10	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	720	8.73	10	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	720	24.7	10	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	720	26.2	10	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	720	33.4	10	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	2880	37.7	10	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	2880	46.5	10	"	"	"	"	"
85-01-8	Phenanthrene	1,740		µg/kg dry	720	33.4	10	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	720	14.6	10	"	"	"	"	"
129-00-0	Pyrene	3,410		µg/kg dry	720	51.1	10	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	720	14.6	10	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*65*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*57*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*64*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*81*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*86*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*76*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.17	0.928	1	SW846 6010B	23-Mar-07	24-Mar-07	7031398	LR
7429-90-5	Aluminum	6,390		mg/kg dry	1.75	1.31	1	"	"	"	"	"
7440-38-2	Arsenic	4.33		mg/kg dry	1.75	0.455	1	"	"	"	"	"
7440-39-3	Barium	184		mg/kg dry	0.584	0.193	1	"	"	"	"	"
7440-41-7	Beryllium	0.274		mg/kg dry	0.233	0.0846	1	"	"	"	"	"
7440-70-2	Calcium	16,000		mg/kg dry	5.84	5.64	1	"	"	"	"	"
7440-43-9	Cadmium	0.408		mg/kg dry	0.292	0.0292	1	"	"	"	"	"
7440-48-4	Cobalt	4.53		mg/kg dry	0.584	0.0408	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 5-0-10 SA59631-02	5762901	Soil	21-Mar-07 13:10	23-Mar-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	18.4		mg/kg dry	0.584	0.274	1	SW846 6010B	23-Mar-07	24-Mar-07	7031398	LR
7440-50-8	Copper	20.5		mg/kg dry	0.584	0.187	1	"	"	"	"	"
7439-89-6	Iron	9,860		mg/kg dry	0.584	0.467	1	"	"	"	"	"
7439-97-6	Mercury	0.304		mg/kg dry	0.0362	0.0072	1	SW846 7471A	"	26-Mar-07	7031399	YP
7440-09-7	Potassium	1,060		mg/kg dry	14.6	2.61	1	SW846 6010B	"	24-Mar-07	7031398	LR
7439-95-4	Magnesium	4,830		mg/kg dry	29.2	5.66	10	"	"	24-Mar-07	"	"
7439-96-5	Manganese	345		mg/kg dry	2.33	0.0893	1	"	"	24-Mar-07	"	"
7440-23-5	Sodium	209		mg/kg dry	14.6	4.77	1	"	"	"	"	"
7440-02-0	Nickel	17.0		mg/kg dry	0.584	0.204	1	"	"	"	"	"
7439-92-1	Lead	199		mg/kg dry	0.875	0.263	1	"	"	"	"	"
7440-36-0	Antimony	0.893	J	mg/kg dry	1.75	0.298	1	"	"	"	"	"
7782-49-2	Selenium	0.963	J	mg/kg dry	1.75	0.694	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	1.75	0.292	1	"	"	"	"	"
7440-62-2	Vanadium	17.2		mg/kg dry	0.584	0.0759	1	"	"	"	"	"
7440-66-6	Zinc	130		mg/kg dry	0.584	0.181	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	82.1		%			1	SM2540 G Mod.	24-Mar-07	24-Mar-07	7031469	QP
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.11	0.444	1	10-204-00-1-A / SW846 9012A	26-Mar-07	26-Mar-07	7031547	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 5-16-18	5762901	Soil	21-Mar-07 14:11	23-Mar-07
SA59631-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A			1	VOC	23-Mar-07	23-Mar-07	7031461	BD
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	6.9	2.8	1	SW 846 8260B	23-Mar-07	26-Mar-07	7031438	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	137	60.2	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.9	0.8	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	68.6	4.9	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	34.3	0.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.9	0.7	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.9	0.9	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	13.7	1.5	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.9	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.9	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.9	1.6	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.9	0.7	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.9	1.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.9	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.9	0.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.9	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.9	0.7	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.9	0.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.9	0.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	68.6	0.8	1	"	"	"	"	"
75-09-2	Methylene chloride	6.3	J	µg/kg dry	68.6	3.3	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.9	1.1	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	6.9	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.9	1.1	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.9	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.9	0.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.9	0.8	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.9	0.7	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.9	0.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	13.7	1.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.9	1.2	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*97*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*93*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*97*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	16.6	0.139	1	SW846 8081A	23-Mar-07	25-Mar-07	7031401	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	16.6	0.265	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	16.6	0.271	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	16.6	0.206	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	16.6	0.187	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	83.1	0.926	1	"	"	"	"	"
72-54-8	4,4-DDD (p,p')	BRL	U	µg/kg dry	16.6	0.387	1	"	"	"	"	"
72-55-9	4,4-DDE (p,p')	BRL	U	µg/kg dry	16.6	0.385	1	"	"	"	"	"
50-29-3	4,4-DDT (p,p')	BRL	U	µg/kg dry	16.6	0.354	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 5-16-18	5762901	Soil	21-Mar-07 14:11	23-Mar-07
SA59631-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	16.6	0.251	1	SW846 8081A	23-Mar-07	25-Mar-07	7031401	TG
959-98-8	Endosulfan I	BRL	U	µg/kg dry	16.6	0.680	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	16.6	0.597	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	16.6	0.433	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	16.6	0.567	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	16.6	0.447	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	16.6	0.170	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	16.6	0.252	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	16.6	0.252	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	16.6	0.628	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	16.6	1.12	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*67*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*122*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
12674-11-2	PCB 1016	BRL	U	µg/kg dry	33.2	2.09	1	SW846 8082	23-Mar-07	25-Mar-07	7031370	MP
11104-28-2	PCB 1221	BRL	U	µg/kg dry	33.2	2.09	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/kg dry	33.2	4.88	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/kg dry	33.2	4.18	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/kg dry	33.2	5.00	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/kg dry	33.2	1.51	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/kg dry	33.2	1.74	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	23-Mar-07	23-Mar-07	7031402	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*52*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	236	5.71	1	SW846 8270C	23-Mar-07	24-Mar-07	7031403	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	236	7.14	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	236	18.1	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/kg dry	236	7.14	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/kg dry	236	15.2	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/kg dry	236	8.07	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/kg dry	236	31.4	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/kg dry	236	6.64	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/kg dry	236	9.50	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	236	4.29	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	236	45.3	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	236	27.1	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	236	8.57	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 5-16-18	5762901	Soil	21-Mar-07 14:11	23-Mar-07
SA59631-03				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	236	22.9	1	SW846 8270C	23-Mar-07	24-Mar-07	7031403	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	236	4.76	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/kg dry	236	3.36	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	236	3.79	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	236	2.86	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	236	17.1	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	236	6.21	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	236	7.64	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	236	6.64	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	236	6.21	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	236	14.8	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	236	5.71	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	236	11.4	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/kg dry	236	5.71	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	236	5.71	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	236	17.6	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	236	10.9	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	236	14.3	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	236	5.21	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	236	10.0	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	236	5.71	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	236	9.07	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	236	2.86	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	236	8.07	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	236	8.57	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	236	10.9	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	943	12.4	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	943	15.2	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/kg dry	236	10.9	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	236	4.76	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/kg dry	236	16.7	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	236	4.76	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*57*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*58*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*66*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*64*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*82*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*50*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.00	0.799	1	SW846 6010B	23-Mar-07	24-Mar-07	7031398	LR
7429-90-5	Aluminum	2,940		mg/kg dry	1.51	1.13	1	"	"	"	"	"
7440-38-2	Arsenic	0.940	J	mg/kg dry	1.51	0.392	1	"	"	"	"	"
7440-39-3	Barium	23.4		mg/kg dry	0.502	0.166	1	"	"	"	"	"
7440-41-7	Beryllium	0.151	J	mg/kg dry	0.201	0.0729	1	"	"	"	"	"
7440-70-2	Calcium	909		mg/kg dry	5.02	4.85	1	"	"	"	"	"
7440-43-9	Cadmium	0.186	J	mg/kg dry	0.251	0.0251	1	"	"	"	"	"
7440-48-4	Cobalt	3.78		mg/kg dry	0.502	0.0352	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 5-16-18 SA59631-03	5762901	Soil	21-Mar-07 14:11	23-Mar-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	6.43		mg/kg dry	0.502	0.236	1	SW846 6010B	23-Mar-07	24-Mar-07	7031398	LR
7440-50-8	Copper	7.83		mg/kg dry	0.502	0.161	1	"	"	"	"	"
7439-89-6	Iron	6,530		mg/kg dry	0.502	0.402	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/kg dry	0.0347	0.0069	1	SW846 7471A	"	26-Mar-07	7031399	YP
7440-09-7	Potassium	608		mg/kg dry	12.6	2.25	1	SW846 6010B	"	24-Mar-07	7031398	LR
7439-95-4	Magnesium	1,700		mg/kg dry	25.1	4.87	10	"	"	24-Mar-07	"	"
7439-96-5	Manganese	186		mg/kg dry	2.01	0.0769	1	"	"	24-Mar-07	"	"
7440-23-5	Sodium	98.6		mg/kg dry	12.6	4.11	1	"	"	"	"	"
7440-02-0	Nickel	6.28		mg/kg dry	0.502	0.176	1	"	"	"	"	"
7439-92-1	Lead	4.58		mg/kg dry	0.754	0.226	1	"	"	"	"	"
7440-36-0	Antimony	0.533	J	mg/kg dry	1.51	0.256	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.51	0.598	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	1.51	0.251	1	"	"	"	"	"
7440-62-2	Vanadium	9.91		mg/kg dry	0.502	0.0653	1	"	"	"	"	"
7440-66-6	Zinc	14.2		mg/kg dry	0.502	0.156	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	84.3		%			1	SM2540 G Mod.	24-Mar-07	24-Mar-07	7031469	QP
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.13	0.452	1	10-204-00-1-A / SW846 9012A	26-Mar-07	26-Mar-07	7031547	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 4-0-10	5762901	Soil	22-Mar-07 14:40	23-Mar-07
SA59631-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
	VOC Extraction	Field extracted		N/A			1	VOC	23-Mar-07	23-Mar-07	7031461	BD
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	6.4	2.6	1	SW 846 8260B	23-Mar-07	26-Mar-07	7031438	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	129	56.4	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.4	0.7	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	64.3	4.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	32.2	0.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.4	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.4	0.8	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	12.9	1.4	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.4	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.4	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.4	1.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.4	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.4	0.9	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.4	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.4	0.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.4	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.4	0.6	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.4	0.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.4	0.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	64.3	0.7	1	"	"	"	"	"
75-09-2	Methylene chloride	3.8	J	µg/kg dry	64.3	3.1	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.4	1.0	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	6.4	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.4	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.4	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.4	0.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.4	0.7	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.4	0.6	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.4	0.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	12.9	1.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.4	1.2	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*97*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*96*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*93*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*96*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	15.9	0.133	1	SW846 8081A	23-Mar-07	25-Mar-07	7031401	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	15.9	0.253	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	15.9	0.259	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	15.9	0.196	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	15.9	0.179	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	79.4	0.885	1	"	"	"	"	"
72-54-8	4,4-DDD (p,p')	BRL	U	µg/kg dry	15.9	0.370	1	"	"	"	"	"
72-55-9	4,4-DDE (p,p')	BRL	U	µg/kg dry	15.9	0.367	1	"	"	"	"	"
50-29-3	4,4-DDT (p,p')	BRL	U	µg/kg dry	15.9	0.339	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 4-0-10 SA59631-04	5762901	Soil	22-Mar-07 14:40	23-Mar-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	15.9	0.240	1	SW846 8081A	23-Mar-07	25-Mar-07	7031401	TG
959-98-8	Endosulfan I	BRL	U	µg/kg dry	15.9	0.649	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	15.9	0.570	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	15.9	0.414	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	15.9	0.542	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	15.9	0.427	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	15.9	0.162	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	15.9	0.241	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	15.9	0.241	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	15.9	0.599	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	15.9	1.07	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*67*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*116*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
12674-11-2	PCB 1016	BRL	U	µg/kg dry	31.7	2.00	1	SW846 8082	23-Mar-07	25-Mar-07	7031370	MP
11104-28-2	PCB 1221	BRL	U	µg/kg dry	31.7	2.00	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/kg dry	31.7	4.66	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/kg dry	31.7	3.99	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/kg dry	31.7	4.77	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/kg dry	31.7	1.44	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/kg dry	31.7	1.66	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	23-Mar-07	23-Mar-07	7031402	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	50.1	J	µg/kg dry	194	4.70	1	SW846 8270C	23-Mar-07	25-Mar-07	7031403	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	194	5.87	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	194	14.9	1	"	"	"	"	"
120-12-7	Anthracene	278		µg/kg dry	194	5.87	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	219		µg/kg dry	194	12.5	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	177	J	µg/kg dry	194	6.63	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	160	J	µg/kg dry	194	25.8	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	62.6	J	µg/kg dry	194	5.46	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	191	J	µg/kg dry	194	7.81	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	194	3.52	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	194	37.2	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	194	22.3	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	194	7.04	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 4-0-10	5762901	Soil	22-Mar-07 14:40	23-Mar-07
SA59631-04				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	194	18.8	1	SW846 8270C	23-Mar-07	25-Mar-07	7031403	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	194	3.92	1	"	"	"	"	"
218-01-9	Chrysene	276		µg/kg dry	194	2.76	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	194	3.11	1	"	"	"	"	"
132-64-9	Dibenzofuran	60.7	J	µg/kg dry	194	2.35	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	194	14.1	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	194	5.11	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	194	6.28	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	194	5.46	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	194	5.11	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	194	12.2	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	194	4.70	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	194	9.39	1	"	"	"	"	"
206-44-0	Fluoranthene	541		µg/kg dry	194	4.70	1	"	"	"	"	"
86-73-7	Fluorene	70.4	J	µg/kg dry	194	4.70	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	194	14.5	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	75.5	J	µg/kg dry	194	8.98	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	194	11.7	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	194	4.29	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	194	8.22	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	194	4.70	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	194	7.46	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	194	2.35	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	194	6.63	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	194	7.04	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	194	8.98	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	775	10.2	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	775	12.5	1	"	"	"	"	"
85-01-8	Phenanthrene	564		µg/kg dry	194	8.98	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	194	3.92	1	"	"	"	"	"
129-00-0	Pyrene	578		µg/kg dry	194	13.7	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	194	3.92	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*60*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*36*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*72*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*38*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*80*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*49*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.11	0.886	1	SW846 6010B	23-Mar-07	24-Mar-07	7031398	LR
7429-90-5	Aluminum	9,620		mg/kg dry	1.67	1.25	1	"	"	"	"	"
7440-38-2	Arsenic	3.63		mg/kg dry	1.67	0.435	1	"	"	"	"	"
7440-39-3	Barium	82.3		mg/kg dry	0.557	0.184	1	"	"	"	"	"
7440-41-7	Beryllium	0.546	J	mg/kg dry	0.557	0.0808	1	"	"	"	"	"
7440-70-2	Calcium	5,450		mg/kg dry	5.57	5.38	1	"	"	"	"	"
7440-43-9	Cadmium	0.669	J	mg/kg dry	0.696	0.0279	1	"	"	"	"	"
7440-48-4	Cobalt	7.50		mg/kg dry	0.557	0.0390	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 4-0-10 SA59631-04	5762901	Soil	22-Mar-07 14:40	23-Mar-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	17.5		mg/kg dry	0.557	0.262	1	SW846 6010B	23-Mar-07	24-Mar-07	7031398	LR
7440-50-8	Copper	22.8		mg/kg dry	0.557	0.178	1	"	"	"	"	"
7439-89-6	Iron	14,600		mg/kg dry	0.557	0.446	1	"	"	"	"	"
7439-97-6	Mercury	0.199		mg/kg dry	0.0334	0.0067	1	SW846 7471A	"	26-Mar-07	7031399	YP
7440-09-7	Potassium	1,220		mg/kg dry	13.9	2.50	1	SW846 6010B	"	24-Mar-07	7031398	LR
7439-95-4	Magnesium	8,160		mg/kg dry	27.9	5.40	10	"	"	24-Mar-07	"	"
7439-96-5	Manganese	376		mg/kg dry	2.23	0.0852	1	"	"	24-Mar-07	"	"
7440-23-5	Sodium	164		mg/kg dry	13.9	4.55	1	"	"	"	"	"
7440-02-0	Nickel	28.4		mg/kg dry	0.557	0.195	1	"	"	"	"	"
7439-92-1	Lead	57.2		mg/kg dry	0.836	0.251	1	"	"	"	"	"
7440-36-0	Antimony	1.38	J	mg/kg dry	1.67	0.284	1	"	"	"	"	"
7782-49-2	Selenium	1.55	J	mg/kg dry	1.67	0.663	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	1.67	0.279	1	"	"	"	"	"
7440-62-2	Vanadium	23.3		mg/kg dry	0.557	0.0724	1	"	"	"	"	"
7440-66-6	Zinc	62.1		mg/kg dry	0.557	0.173	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	89.3		%			1	SM2540 G Mod.	24-Mar-07	24-Mar-07	7031469	QP
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.12	0.447	1	10-204-00-1-A / SW846 9012A	26-Mar-07	26-Mar-07	7031547	rth

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031438 - SW846 5035A Soil (low level)										
Blank (7031438-BLK1)										
Prepared: 23-Mar-07 Analyzed: 26-Mar-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/kg wet	5.0						
Acetone	BRL	U	µg/kg wet	100						
Acrylonitrile	BRL	U	µg/kg wet	5.0						
Benzene	BRL	U	µg/kg wet	5.0						
Bromobenzene	BRL	U	µg/kg wet	5.0						
Bromochloromethane	BRL	U	µg/kg wet	5.0						
Bromodichloromethane	BRL	U	µg/kg wet	5.0						
Bromoform	BRL	U	µg/kg wet	5.0						
Bromomethane	BRL	U	µg/kg wet	10.0						
2-Butanone (MEK)	BRL	U	µg/kg wet	50.0						
n-Butylbenzene	BRL	U	µg/kg wet	5.0						
sec-Butylbenzene	BRL	U	µg/kg wet	5.0						
tert-Butylbenzene	BRL	U	µg/kg wet	5.0						
Carbon disulfide	BRL	U	µg/kg wet	25.0						
Carbon tetrachloride	BRL	U	µg/kg wet	5.0						
Chlorobenzene	BRL	U	µg/kg wet	5.0						
Chloroethane	BRL	U	µg/kg wet	10.0						
Chloroform	BRL	U	µg/kg wet	5.0						
Chloromethane	BRL	U	µg/kg wet	10.0						
2-Chlorotoluene	BRL	U	µg/kg wet	5.0						
4-Chlorotoluene	BRL	U	µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/kg wet	10.0						
Dibromochloromethane	BRL	U	µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/kg wet	5.0						
Dibromomethane	BRL	U	µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/kg wet	10.0						
1,1-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,2-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,1-Dichloroethene	BRL	U	µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						
1,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,3-Dichloropropane	BRL	U	µg/kg wet	5.0						
2,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,1-Dichloropropene	BRL	U	µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
Ethylbenzene	BRL	U	µg/kg wet	5.0						
Hexachlorobutadiene	BRL	U	µg/kg wet	5.0						
2-Hexanone (MBK)	BRL	U	µg/kg wet	50.0						
Isopropylbenzene	BRL	U	µg/kg wet	5.0						
4-Isopropyltoluene	BRL	U	µg/kg wet	5.0						
Methyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg wet	50.0						
Methylene chloride	BRL	U	µg/kg wet	50.0						
Naphthalene	BRL	U	µg/kg wet	5.0						
n-Propylbenzene	BRL	U	µg/kg wet	5.0						
Styrene	BRL	U	µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031438 - SW846 5035A Soil (low level)										
Blank (7031438-BLK1)										
Prepared: 23-Mar-07 Analyzed: 26-Mar-07										
1,1,2,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
Tetrachloroethene	BRL	U	µg/kg wet	5.0						
Toluene	BRL	U	µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL	U	µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL	U	µg/kg wet	5.0						
Trichloroethene	BRL	U	µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL	U	µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
Vinyl chloride	BRL	U	µg/kg wet	5.0						
m,p-Xylene	BRL	U	µg/kg wet	10.0						
o-Xylene	BRL	U	µg/kg wet	5.0						
Tetrahydrofuran	BRL	U	µg/kg wet	50.0						
Ethyl ether	BRL	U	µg/kg wet	5.0						
Tert-amyl methyl ether	BRL	U	µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
Di-isopropyl ether	BRL	U	µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/kg wet	50.0						
1,4-Dioxane	BRL	U	µg/kg wet	100						
Surrogate: 4-Bromofluorobenzene	*48.5*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*49.7*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.4*		µg/kg wet		*50.0*		*109*	*70-130*		
Surrogate: Dibromofluoromethane	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
LCS (7031438-BS1)										
Prepared: 23-Mar-07 Analyzed: 26-Mar-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.6		µg/kg wet		20.0		108	70-130		
Acetone	12.4		µg/kg wet		20.0		62	1.77-175		
Acrylonitrile	21.0		µg/kg wet		20.0		105	70-130		
Benzene	19.4		µg/kg wet		20.0		97	70-130		
Bromobenzene	19.6		µg/kg wet		20.0		98	70-130		
Bromochloromethane	19.7		µg/kg wet		20.0		98	70-130		
Bromodichloromethane	20.1		µg/kg wet		20.0		100	70-130		
Bromoform	21.3		µg/kg wet		20.0		106	70-130		
Bromomethane	21.0		µg/kg wet		20.0		105	55.3-136		
2-Butanone (MEK)	13.0		µg/kg wet		20.0		65	38.8-142		
n-Butylbenzene	18.2		µg/kg wet		20.0		91	70-130		
sec-Butylbenzene	19.0		µg/kg wet		20.0		95	70-130		
tert-Butylbenzene	19.3		µg/kg wet		20.0		96	70-130		
Carbon disulfide	17.6		µg/kg wet		20.0		88	70-130		
Carbon tetrachloride	19.4		µg/kg wet		20.0		97	70-130		
Chlorobenzene	19.3		µg/kg wet		20.0		96	70-130		
Chloroethane	21.0		µg/kg wet		20.0		105	55.3-130		
Chloroform	19.6		µg/kg wet		20.0		98	70-130		
Chloromethane	20.4		µg/kg wet		20.0		102	70-130		
2-Chlorotoluene	18.8		µg/kg wet		20.0		94	70-130		
4-Chlorotoluene	18.9		µg/kg wet		20.0		94	70-130		
1,2-Dibromo-3-chloropropane	20.2		µg/kg wet		20.0		101	70-130		
Dibromochloromethane	20.3		µg/kg wet		20.0		102	64.7-139		
1,2-Dibromoethane (EDB)	20.4		µg/kg wet		20.0		102	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031438 - SW846 5035A Soil (low level)										
LCS (7031438-BS1)										
Prepared: 23-Mar-07 Analyzed: 26-Mar-07										
Dibromomethane	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dichlorobenzene	19.3		µg/kg wet		20.0		96	70-130		
1,3-Dichlorobenzene	19.7		µg/kg wet		20.0		98	70-130		
1,4-Dichlorobenzene	18.8		µg/kg wet		20.0		94	70-130		
Dichlorodifluoromethane (Freon12)	9.5		µg/kg wet		20.0		48	34.4-167		
1,1-Dichloroethane	19.0		µg/kg wet		20.0		95	70-130		
1,2-Dichloroethane	19.5		µg/kg wet		20.0		98	70-130		
1,1-Dichloroethene	18.9		µg/kg wet		20.0		94	70-130		
cis-1,2-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130		
trans-1,2-Dichloroethene	18.4		µg/kg wet		20.0		92	70-130		
1,2-Dichloropropane	20.2		µg/kg wet		20.0		101	70-130		
1,3-Dichloropropane	20.1		µg/kg wet		20.0		100	70-130		
2,2-Dichloropropane	17.3		µg/kg wet		20.0		86	70-130		
1,1-Dichloropropene	18.9		µg/kg wet		20.0		94	70-130		
cis-1,3-Dichloropropene	20.2		µg/kg wet		20.0		101	70-130		
trans-1,3-Dichloropropene	20.3		µg/kg wet		20.0		102	70-130		
Ethylbenzene	19.0		µg/kg wet		20.0		95	70-130		
Hexachlorobutadiene	17.7		µg/kg wet		20.0		88	60.7-140		
2-Hexanone (MBK)	14.4		µg/kg wet		20.0		72	70-130		
Isopropylbenzene	17.9		µg/kg wet		20.0		90	70-130		
4-Isopropyltoluene	19.1		µg/kg wet		20.0		96	70-130		
Methyl tert-butyl ether	20.4		µg/kg wet		20.0		102	70-130		
4-Methyl-2-pentanone (MIBK)	18.9		µg/kg wet		20.0		94	46.1-145		
Methylene chloride	19.0		µg/kg wet		20.0		95	70-130		
Naphthalene	19.8		µg/kg wet		20.0		99	70-130		
n-Propylbenzene	18.3		µg/kg wet		20.0		92	70-130		
Styrene	19.2		µg/kg wet		20.0		96	70-130		
1,1,1,2-Tetrachloroethane	20.6		µg/kg wet		20.0		103	70-130		
1,1,2,2-Tetrachloroethane	19.6		µg/kg wet		20.0		98	70-130		
Tetrachloroethene	18.7		µg/kg wet		20.0		94	70-130		
Toluene	19.1		µg/kg wet		20.0		96	70-130		
1,2,3-Trichlorobenzene	20.4		µg/kg wet		20.0		102	70-130		
1,2,4-Trichlorobenzene	19.7		µg/kg wet		20.0		98	70-130		
1,1,1-Trichloroethane	19.2		µg/kg wet		20.0		96	70-130		
1,1,2-Trichloroethane	20.4		µg/kg wet		20.0		102	70-130		
Trichloroethene	19.2		µg/kg wet		20.0		96	70-130		
Trichlorofluoromethane (Freon 11)	20.5		µg/kg wet		20.0		102	56.8-140		
1,2,3-Trichloropropane	21.7		µg/kg wet		20.0		108	70-130		
1,2,4-Trimethylbenzene	19.3		µg/kg wet		20.0		96	70-130		
1,3,5-Trimethylbenzene	19.1		µg/kg wet		20.0		96	70-130		
Vinyl chloride	22.8		µg/kg wet		20.0		114	70-130		
m,p-Xylene	37.7		µg/kg wet		40.0		94	70-130		
o-Xylene	20.0		µg/kg wet		20.0		100	70-130		
Tetrahydrofuran	21.8		µg/kg wet		20.0		109	70-130		
Ethyl ether	21.3		µg/kg wet		20.0		106	65.3-130		
Tert-amyl methyl ether	19.7		µg/kg wet		20.0		98	70-130		
Ethyl tert-butyl ether	20.2		µg/kg wet		20.0		101	70-130		
Di-isopropyl ether	19.4		µg/kg wet		20.0		97	70-130		
Tert-Butanol / butyl alcohol	167		µg/kg wet		200		84	70-130		
1,4-Dioxane	51.0	QC2	µg/kg wet		200		26	34-155		
Surrogate: 4-Bromofluorobenzene	*48.8*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*49.9*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.3*		µg/kg wet		*50.0*		*99*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031438 - SW846 5035A Soil (low level)										
LCS (7031438-BS1)										
Prepared: 23-Mar-07 Analyzed: 26-Mar-07										
Surrogate: Dibromofluoromethane	*49.5*		µg/kg wet		*50.0*		*99*	*70-130*		
LCS Dup (7031438-BSD1)										
Prepared: 23-Mar-07 Analyzed: 26-Mar-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.0		µg/kg wet		20.0		110	70-130	2	25
Acetone	13.4		µg/kg wet		20.0		67	1.77-175	8	50
Acrylonitrile	21.1		µg/kg wet		20.0		106	70-130	0.9	25
Benzene	19.5		µg/kg wet		20.0		98	70-130	1	25
Bromobenzene	19.5		µg/kg wet		20.0		98	70-130	0	25
Bromochloromethane	20.3		µg/kg wet		20.0		102	70-130	4	25
Bromodichloromethane	20.5		µg/kg wet		20.0		102	70-130	2	25
Bromoform	21.8		µg/kg wet		20.0		109	70-130	3	25
Bromomethane	20.0		µg/kg wet		20.0		100	55.3-136	5	50
2-Butanone (MEK)	13.1		µg/kg wet		20.0		66	38.8-142	2	50
n-Butylbenzene	18.4		µg/kg wet		20.0		92	70-130	1	25
sec-Butylbenzene	19.1		µg/kg wet		20.0		96	70-130	1	25
tert-Butylbenzene	19.3		µg/kg wet		20.0		96	70-130	0	25
Carbon disulfide	18.0		µg/kg wet		20.0		90	70-130	2	25
Carbon tetrachloride	18.9		µg/kg wet		20.0		94	70-130	3	25
Chlorobenzene	19.1		µg/kg wet		20.0		96	70-130	0	25
Chloroethane	19.9		µg/kg wet		20.0		100	55.3-130	5	50
Chloroform	20.3		µg/kg wet		20.0		102	70-130	4	25
Chloromethane	19.8		µg/kg wet		20.0		99	70-130	3	25
2-Chlorotoluene	18.8		µg/kg wet		20.0		94	70-130	0	25
4-Chlorotoluene	19.0		µg/kg wet		20.0		95	70-130	1	25
1,2-Dibromo-3-chloropropane	19.9		µg/kg wet		20.0		100	70-130	1	25
Dibromochloromethane	20.4		µg/kg wet		20.0		102	64.7-139	0	50
1,2-Dibromoethane (EDB)	20.0		µg/kg wet		20.0		100	70-130	2	25
Dibromomethane	20.3		µg/kg wet		20.0		102	70-130	3	25
1,2-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130	1	25
1,3-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130	1	25
1,4-Dichlorobenzene	19.0		µg/kg wet		20.0		95	70-130	1	25
Dichlorodifluoromethane (Freon12)	22.0	QR2	µg/kg wet		20.0		110	34.4-167	78	50
1,1-Dichloroethane	19.4		µg/kg wet		20.0		97	70-130	2	25
1,2-Dichloroethane	19.8		µg/kg wet		20.0		99	70-130	1	25
1,1-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130	3	25
cis-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130	1	25
trans-1,2-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130	2	25
1,2-Dichloropropane	20.2		µg/kg wet		20.0		101	70-130	0	25
1,3-Dichloropropane	20.2		µg/kg wet		20.0		101	70-130	1	25
2,2-Dichloropropane	17.3		µg/kg wet		20.0		86	70-130	0	25
1,1-Dichloropropene	19.4		µg/kg wet		20.0		97	70-130	3	25
cis-1,3-Dichloropropene	20.1		µg/kg wet		20.0		100	70-130	1	25
trans-1,3-Dichloropropene	20.3		µg/kg wet		20.0		102	70-130	0	25
Ethylbenzene	18.9		µg/kg wet		20.0		94	70-130	1	25
Hexachlorobutadiene	18.0		µg/kg wet		20.0		90	60.7-140	2	50
2-Hexanone (MBK)	14.2		µg/kg wet		20.0		71	70-130	1	25
Isopropylbenzene	18.1		µg/kg wet		20.0		90	70-130	0	25
4-Isopropyltoluene	19.4		µg/kg wet		20.0		97	70-130	1	25
Methyl tert-butyl ether	20.5		µg/kg wet		20.0		102	70-130	0	25
4-Methyl-2-pentanone (MIBK)	19.1		µg/kg wet		20.0		96	46.1-145	2	50
Methylene chloride	17.1		µg/kg wet		20.0		86	70-130	10	25
Naphthalene	20.5		µg/kg wet		20.0		102	70-130	3	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031438 - SW846 5035A Soil (low level)										
LCS Dup (7031438-BSD1)										
Prepared: 23-Mar-07 Analyzed: 26-Mar-07										
n-Propylbenzene	18.2		µg/kg wet		20.0		91	70-130	1	25
Styrene	19.3		µg/kg wet		20.0		96	70-130	0	25
1,1,1,2-Tetrachloroethane	20.5		µg/kg wet		20.0		102	70-130	1	25
1,1,2,2-Tetrachloroethane	20.0		µg/kg wet		20.0		100	70-130	2	25
Tetrachloroethene	18.8		µg/kg wet		20.0		94	70-130	0	25
Toluene	19.4		µg/kg wet		20.0		97	70-130	1	25
1,2,3-Trichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	1	25
1,2,4-Trichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	2	25
1,1,1-Trichloroethane	19.3		µg/kg wet		20.0		96	70-130	0	25
1,1,2-Trichloroethane	20.9		µg/kg wet		20.0		104	70-130	2	25
Trichloroethene	19.7		µg/kg wet		20.0		98	70-130	2	25
Trichlorofluoromethane (Freon 11)	20.3		µg/kg wet		20.0		102	56.8-140	0	50
1,2,3-Trichloropropane	21.9		µg/kg wet		20.0		110	70-130	2	25
1,2,4-Trimethylbenzene	19.4		µg/kg wet		20.0		97	70-130	1	25
1,3,5-Trimethylbenzene	19.1		µg/kg wet		20.0		96	70-130	0	25
Vinyl chloride	22.4		µg/kg wet		20.0		112	70-130	2	25
m,p-Xylene	37.9		µg/kg wet		40.0		95	70-130	1	25
o-Xylene	19.5		µg/kg wet		20.0		98	70-130	2	25
Tetrahydrofuran	21.5		µg/kg wet		20.0		108	70-130	0.9	25
Ethyl ether	20.2		µg/kg wet		20.0		101	65.3-130	5	50
Tert-amyl methyl ether	19.8		µg/kg wet		20.0		99	70-130	1	25
Ethyl tert-butyl ether	20.5		µg/kg wet		20.0		102	70-130	1	25
Di-isopropyl ether	19.7		µg/kg wet		20.0		98	70-130	1	25
Tert-Butanol / butyl alcohol	174		µg/kg wet		200		87	70-130	4	25
1,4-Dioxane	120	QC2	µg/kg wet		200		60	34-155	79	25
Surrogate: 4-Bromofluorobenzene	*49.4*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*49.6*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.1*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*50.1*		µg/kg wet		*50.0*		*100*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031370 - SW846 3550B										
Blank (7031370-BLK1)										
Prepared: 23-Mar-07 Analyzed: 25-Mar-07										
PCB 1016	BRL	U	µg/kg wet	28.6						
PCB 1221	BRL	U	µg/kg wet	28.6						
PCB 1232	BRL	U	µg/kg wet	28.6						
PCB 1242	BRL	U	µg/kg wet	28.6						
PCB 1248	BRL	U	µg/kg wet	28.6						
PCB 1254	BRL	U	µg/kg wet	28.6						
PCB 1260	BRL	U	µg/kg wet	28.6						
PCB 1262	BRL	U	µg/kg wet	28.6						
PCB 1268	BRL	U	µg/kg wet	28.6						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*27.1*		µg/kg wet		*28.6*		*95*	*30-150*		
LCS (7031370-BS1)										
Prepared: 23-Mar-07 Analyzed: 25-Mar-07										
PCB 1016	403		µg/kg wet	28.6	357		113	40-140		
PCB 1260	423		µg/kg wet	28.6	357		118	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.6*		µg/kg wet		*28.6*		*100*	*30-150*		
LCS Dup (7031370-BSD1)										
Prepared: 23-Mar-07 Analyzed: 25-Mar-07										
PCB 1016	416		µg/kg wet	28.6	357		117	40-140	3	30
PCB 1260	431		µg/kg wet	28.6	357		121	40-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*28.6*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*30.0*		µg/kg wet		*28.6*		*105*	*30-150*		
Duplicate (7031370-DUP1) **Source: SA59631-04**										
Prepared: 23-Mar-07 Analyzed: 25-Mar-07										
PCB 1016	BRL	U	µg/kg dry	31.7		BRL				40
PCB 1221	BRL	U	µg/kg dry	31.7		BRL				40
PCB 1232	BRL	U	µg/kg dry	31.7		BRL				40
PCB 1242	BRL	U	µg/kg dry	31.7		BRL				40
PCB 1248	BRL	U	µg/kg dry	31.7		BRL				40
PCB 1254	BRL	U	µg/kg dry	31.7		BRL				40
PCB 1260	BRL	U	µg/kg dry	31.7		BRL				40
PCB 1262	BRL	U	µg/kg dry	31.7		BRL				40
PCB 1268	BRL	U	µg/kg dry	31.7		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.1*		µg/kg dry		*31.6*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*33.2*		µg/kg dry		*31.6*		*105*	*30-150*		
Matrix Spike (7031370-MS1) **Source: SA59631-04**										
Prepared: 23-Mar-07 Analyzed: 25-Mar-07										
PCB 1016	442		µg/kg dry	31.6	395	BRL	112	40-140		
PCB 1260	418		µg/kg dry	31.6	395	BRL	106	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.7*		µg/kg dry		*31.6*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*41.0*		µg/kg dry		*31.6*		*130*	*30-150*		
Matrix Spike Dup (7031370-MSD1) **Source: SA59631-04**										
Prepared: 23-Mar-07 Analyzed: 25-Mar-07										
PCB 1016	436		µg/kg dry	31.6	395	BRL	110	40-140	2	50
PCB 1260	505		µg/kg dry	31.6	395	BRL	128	40-140	19	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.5*		µg/kg dry		*31.6*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*36.3*		µg/kg dry		*31.6*		*115*	*30-150*		
Batch 7031401 - SW846 3550B										
Blank (7031401-BLK1)										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031401 - SW846 3550B										
Prepared: 23-Mar-07 Analyzed: 25-Mar-07										
Aldrin	BRL	U	µg/kg wet	14.3						
a-BHC	BRL	U	µg/kg wet	14.3						
b-BHC	BRL	U	µg/kg wet	14.3						
d-BHC	BRL	U	µg/kg wet	14.3						
g-BHC (Lindane)	BRL	U	µg/kg wet	14.3						
Chlordane	BRL	U	µg/kg wet	71.5						
4,4-DDD (p,p')	BRL	U	µg/kg wet	14.3						
4,4-DDE (p,p')	BRL	U	µg/kg wet	14.3						
4,4-DDT (p,p')	BRL	U	µg/kg wet	14.3						
Dieldrin	BRL	U	µg/kg wet	14.3						
Endosulfan I	BRL	U	µg/kg wet	14.3						
Endosulfan II	BRL	U	µg/kg wet	14.3						
Endosulfan Sulfate	BRL	U	µg/kg wet	14.3						
Endrin	BRL	U	µg/kg wet	14.3						
Endrin Aldehyde	BRL	U	µg/kg wet	14.3						
Heptachlor	BRL	U	µg/kg wet	14.3						
Methoxychlor	BRL	U	µg/kg wet	14.3						
Heptachlor Epoxide	BRL	U	µg/kg wet	14.3						
Toxaphene	BRL	U	µg/kg wet	71.5						
a-Chlordane	BRL	U	µg/kg wet	14.3						
g-Chlordane	BRL	U	µg/kg wet	14.3						
Endrin Ketone	BRL	U	µg/kg wet	14.3						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.4*		µg/kg wet		*28.6*		*61*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.1*		µg/kg wet		*28.6*		*91*	*30-150*		
LCS (7031401-BS1)										
Prepared: 23-Mar-07 Analyzed: 25-Mar-07										
Aldrin	22.8		µg/kg wet	14.3	28.6		80	40-140		
a-BHC	21.1		µg/kg wet	14.3	28.6		74	40-140		
b-BHC	20.8		µg/kg wet	14.3	28.6		73	40-140		
d-BHC	12.2	J	µg/kg wet	14.3	28.6		43	40-140		
g-BHC (Lindane)	21.0		µg/kg wet	14.3	28.6		73	40-140		
4,4-DDD (p,p')	25.3		µg/kg wet	14.3	28.6		88	40-140		
4,4-DDE (p,p')	22.6		µg/kg wet	14.3	28.6		79	40-140		
4,4-DDT (p,p')	19.3		µg/kg wet	14.3	28.6		67	40-140		
Dieldrin	23.2		µg/kg wet	14.3	28.6		81	40-140		
Endosulfan I	23.6		µg/kg wet	14.3	28.6		83	40-140		
Endosulfan II	23.5		µg/kg wet	14.3	28.6		82	40-140		
Endosulfan Sulfate	22.2		µg/kg wet	14.3	28.6		78	40-140		
Endrin	22.6		µg/kg wet	14.3	28.6		79	40-140		
Endrin Aldehyde	23.6		µg/kg wet	14.3	28.6		83	40-140		
Heptachlor	21.7		µg/kg wet	14.3	28.6		76	40-140		
Methoxychlor	21.9		µg/kg wet	14.3	28.6		77	40-140		
Heptachlor Epoxide	22.8		µg/kg wet	14.3	28.6		80	40-140		
a-Chlordane	23.0		µg/kg wet	14.3	28.6		80	40-140		
g-Chlordane	24.3		µg/kg wet	14.3	28.6		85	40-140		
Endrin Ketone	26.4		µg/kg wet	14.3	28.6		92	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.6*		µg/kg wet		*28.6*		*58*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*26.8*		µg/kg wet		*28.6*		*94*	*40-140*		
LCS Dup (7031401-BSD1)										
Prepared: 23-Mar-07 Analyzed: 25-Mar-07										
Aldrin	24.1		µg/kg wet	14.3	28.6		84	40-140	5	30
a-BHC	22.7		µg/kg wet	14.3	28.6		79	40-140	7	30
b-BHC	22.7		µg/kg wet	14.3	28.6		79	40-140	8	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031401 - SW846 3550B										
LCS Dup (7031401-BSD1)										
Prepared: 23-Mar-07 Analyzed: 25-Mar-07										
d-BHC	11.5	J	µg/kg wet	14.3	28.6		40	40-140	7	30
g-BHC (Lindane)	22.2		µg/kg wet	14.3	28.6		78	40-140	7	30
4,4-DDD (p,p')	24.8		µg/kg wet	14.3	28.6		87	40-140	1	30
4,4-DDE (p,p')	23.8		µg/kg wet	14.3	28.6		83	40-140	5	30
4,4-DDT (p,p')	22.2		µg/kg wet	14.3	28.6		78	40-140	15	30
Dieldrin	23.7		µg/kg wet	14.3	28.6		83	40-140	2	30
Endosulfan I	24.6		µg/kg wet	14.3	28.6		86	40-140	4	30
Endosulfan II	25.9		µg/kg wet	14.3	28.6		91	40-140	10	30
Endosulfan Sulfate	22.4		µg/kg wet	14.3	28.6		78	40-140	0	30
Endrin	21.9		µg/kg wet	14.3	28.6		77	40-140	3	30
Endrin Aldehyde	25.0		µg/kg wet	14.3	28.6		87	40-140	5	30
Heptachlor	23.6		µg/kg wet	14.3	28.6		83	40-140	9	30
Methoxychlor	22.3		µg/kg wet	14.3	28.6		78	40-140	1	30
Heptachlor Epoxide	24.0		µg/kg wet	14.3	28.6		84	40-140	5	30
a-Chlordane	23.9		µg/kg wet	14.3	28.6		84	40-140	5	30
g-Chlordane	23.7		µg/kg wet	14.3	28.6		83	40-140	2	30
Endrin Ketone	25.8		µg/kg wet	14.3	28.6		90	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.9*		µg/kg wet		*28.6*		*63*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*26.6*		µg/kg wet		*28.6*		*93*	*40-140*		
Duplicate (7031401-DUP1) **Source: SA59631-04**										
Prepared: 23-Mar-07 Analyzed: 25-Mar-07										
Aldrin	BRL	U	µg/kg dry	15.8		BRL				30
a-BHC	BRL	U	µg/kg dry	15.8		BRL				30
b-BHC	BRL	U	µg/kg dry	15.8		BRL				30
d-BHC	BRL	U	µg/kg dry	15.8		BRL				30
g-BHC (Lindane)	BRL	U	µg/kg dry	15.8		BRL				30
Chlordane	BRL	U	µg/kg dry	79.0		BRL				30
4,4-DDD (p,p')	BRL	U	µg/kg dry	15.8		BRL				30
4,4-DDE (p,p')	BRL	U	µg/kg dry	15.8		BRL				30
4,4-DDT (p,p')	BRL	U	µg/kg dry	15.8		BRL				30
Dieldrin	BRL	U	µg/kg dry	15.8		BRL				30
Endosulfan I	BRL	U	µg/kg dry	15.8		BRL				30
Endosulfan II	BRL	U	µg/kg dry	15.8		BRL				30
Endosulfan Sulfate	BRL	U	µg/kg dry	15.8		BRL				30
Endrin	BRL	U	µg/kg dry	15.8		BRL				30
Endrin Aldehyde	BRL	U	µg/kg dry	15.8		BRL				30
Heptachlor	BRL	U	µg/kg dry	15.8		BRL				30
Methoxychlor	BRL	U	µg/kg dry	15.8		BRL				30
Heptachlor Epoxide	BRL	U	µg/kg dry	15.8		BRL				30
Toxaphene	BRL	U	µg/kg dry	79.0		BRL				30
a-Chlordane	BRL	U	µg/kg dry	15.8		BRL				30
g-Chlordane	BRL	U	µg/kg dry	15.8		BRL				30
Endrin Ketone	BRL	U	µg/kg dry	15.8		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.8*		µg/kg dry		*31.6*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*34.0*		µg/kg dry		*31.6*		*108*	*30-150*		
Matrix Spike (7031401-MS1) **Source: SA59631-04**										
Prepared: 23-Mar-07 Analyzed: 25-Mar-07										
Aldrin	30.9		µg/kg dry	15.8	31.5	BRL	98	30-150		
a-BHC	26.6		µg/kg dry	15.8	31.5	BRL	84	30-150		
b-BHC	27.7		µg/kg dry	15.8	31.5	BRL	88	30-150		
d-BHC	12.7	J	µg/kg dry	15.8	31.5	BRL	40	30-150		
g-BHC (Lindane)	31.8		µg/kg dry	15.8	31.5	BRL	101	30-150		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031401 - SW846 3550B										
Matrix Spike (7031401-MS1) **Source: SA59631-04**										
Prepared: 23-Mar-07 Analyzed: 25-Mar-07										
4,4-DDD (p,p')	32.3		µg/kg dry	15.8	31.5	BRL	103	30-150		
4,4-DDE (p,p')	29.6		µg/kg dry	15.8	31.5	BRL	94	30-150		
4,4-DDT (p,p')	34.5		µg/kg dry	15.8	31.5	BRL	110	30-150		
Dieldrin	30.8		µg/kg dry	15.8	31.5	BRL	98	30-150		
Endosulfan I	31.0		µg/kg dry	15.8	31.5	BRL	98	30-150		
Endosulfan II	29.3		µg/kg dry	15.8	31.5	BRL	93	30-150		
Endosulfan Sulfate	24.7		µg/kg dry	15.8	31.5	BRL	78	30-150		
Endrin	27.6		µg/kg dry	15.8	31.5	BRL	88	30-150		
Endrin Aldehyde	19.3		µg/kg dry	15.8	31.5	BRL	61	30-150		
Heptachlor	31.0		µg/kg dry	15.8	31.5	BRL	98	30-150		
Methoxychlor	37.2		µg/kg dry	15.8	31.5	BRL	118	30-150		
Heptachlor Epoxide	30.4		µg/kg dry	15.8	31.5	BRL	97	30-150		
a-Chlordane	31.0		µg/kg dry	15.8	31.5	BRL	98	30-150		
g-Chlordane	37.9		µg/kg dry	15.8	31.5	BRL	120	30-150		
Endrin Ketone	31.7		µg/kg dry	15.8	31.5	BRL	101	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.1*		µg/kg dry		*31.5*		*67*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*41.4*		µg/kg dry		*31.5*		*131*	*30-150*		
Matrix Spike Dup (7031401-MSD1) **Source: SA59631-04**										
Prepared: 23-Mar-07 Analyzed: 25-Mar-07										
Aldrin	30.2		µg/kg dry	15.8	31.6	BRL	96	30-150	2	30
a-BHC	26.4		µg/kg dry	15.8	31.6	BRL	84	30-150	0	30
b-BHC	28.8		µg/kg dry	15.8	31.6	BRL	91	30-150	3	30
d-BHC	13.0	J	µg/kg dry	15.8	31.6	BRL	41	30-150	2	30
g-BHC (Lindane)	30.8		µg/kg dry	15.8	31.6	BRL	97	30-150	4	30
4,4-DDD (p,p')	32.0		µg/kg dry	15.8	31.6	BRL	101	30-150	2	30
4,4-DDE (p,p')	29.7		µg/kg dry	15.8	31.6	BRL	94	30-150	0	30
4,4-DDT (p,p')	37.4		µg/kg dry	15.8	31.6	BRL	118	30-150	7	30
Dieldrin	32.0		µg/kg dry	15.8	31.6	BRL	101	30-150	3	30
Endosulfan I	31.9		µg/kg dry	15.8	31.6	BRL	101	30-150	3	30
Endosulfan II	34.1		µg/kg dry	15.8	31.6	BRL	108	30-150	15	30
Endosulfan Sulfate	28.8		µg/kg dry	15.8	31.6	BRL	91	30-150	15	30
Endrin	30.0		µg/kg dry	15.8	31.6	BRL	95	30-150	8	30
Endrin Aldehyde	23.8		µg/kg dry	15.8	31.6	BRL	75	30-150	21	30
Heptachlor	30.1		µg/kg dry	15.8	31.6	BRL	95	30-150	3	30
Methoxychlor	37.8		µg/kg dry	15.8	31.6	BRL	120	30-150	2	30
Heptachlor Epoxide	31.1		µg/kg dry	15.8	31.6	BRL	98	30-150	1	30
a-Chlordane	31.2		µg/kg dry	15.8	31.6	BRL	99	30-150	1	50
g-Chlordane	39.4		µg/kg dry	15.8	31.6	BRL	125	30-150	4	50
Endrin Ketone	37.0		µg/kg dry	15.8	31.6	BRL	117	30-150	15	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.5*		µg/kg dry		*31.6*		*68*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*42.9*		µg/kg dry		*31.6*		*136*	*30-150*		
Batch 7031402 - SW846 3550B										
Blank (7031402-BLK1)										
Prepared & Analyzed: 23-Mar-07										
2,4-D	BRL	U	µg/kg wet	6.70						
2,4,5-T	BRL	U	µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL	U	µg/kg wet	6.70						
2,4-DB	BRL	U	µg/kg wet	6.70						
Dalapon	BRL	U	µg/kg wet	6.70						
Dicamba	BRL	U	µg/kg wet	6.70						
Dinoseb	BRL	U	µg/kg wet	6.70						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031402 - SW846 3550B										
Blank (7031402-BLK1)										
Prepared & Analyzed: 23-Mar-07										
Dichlorprop	BRL	U	µg/kg wet	6.70						
MCPB	BRL	U	µg/kg wet	670						
MCPA	BRL	U	µg/kg wet	670						
MCPP	BRL	U	µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*5.67*		µg/kg wet		*13.3*		*43*	*30-150*		
LCS (7031402-BS1)										
Prepared & Analyzed: 23-Mar-07										
2,4-D	38.3		µg/kg wet	6.70	33.3		115	40-140		
2,4,5-T	38.2		µg/kg wet	6.70	33.3		115	40-140		
2,4,5-TP (Silvex)	38.2		µg/kg wet	6.70	33.3		115	40-140		
2,4-DB	35.8		µg/kg wet	6.70	33.3		108	40-140		
Dalapon	38.3		µg/kg wet	6.70	33.3		115	40-140		
Dicamba	35.9		µg/kg wet	6.70	33.3		108	40-140		
Dinoseb	36.3		µg/kg wet	6.70	33.3		109	40-140		
Dichlorprop	39.5		µg/kg wet	6.70	33.3		119	40-140		
MCPB	11800		µg/kg wet	670	10000		118	40-140		
MCPA	10200		µg/kg wet	670	10000		102	40-140		
MCPP	9540		µg/kg wet	670	10000		95	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.80*		µg/kg wet		*13.3*		*51*	*30-150*		
LCS Dup (7031402-BSD1)										
Prepared & Analyzed: 23-Mar-07										
2,4-D	39.3		µg/kg wet	6.70	33.3		118	40-140	3	25
2,4,5-T	39.5		µg/kg wet	6.70	33.3		119	40-140	3	25
2,4,5-TP (Silvex)	38.5		µg/kg wet	6.70	33.3		116	40-140	0.9	25
2,4-DB	36.5		µg/kg wet	6.70	33.3		110	40-140	2	25
Dalapon	35.5		µg/kg wet	6.70	33.3		107	40-140	7	25
Dicamba	34.6		µg/kg wet	6.70	33.3		104	40-140	4	25
Dinoseb	37.0		µg/kg wet	6.70	33.3		111	40-140	2	25
Dichlorprop	43.9		µg/kg wet	6.70	33.3		132	40-140	10	25
MCPB	10900		µg/kg wet	670	10000		109	40-140	8	25
MCPA	9920		µg/kg wet	670	10000		99	40-140	3	25
MCPP	11500		µg/kg wet	670	10000		115	40-140	19	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.73*		µg/kg wet		*13.3*		*51*	*30-150*		
Duplicate (7031402-DUP1) **Source: SA59631-03**										
Prepared & Analyzed: 23-Mar-07										
2,4-D	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-T	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70		BRL				30
2,4-DB	BRL	U	µg/kg dry	6.70		BRL				30
Dalapon	BRL	U	µg/kg dry	6.70		BRL				30
Dicamba	BRL	U	µg/kg dry	6.70		BRL				30
Dinoseb	BRL	U	µg/kg dry	6.70		BRL				30
Dichlorprop	BRL	U	µg/kg dry	6.70		BRL				30
MCPB	BRL	U	µg/kg dry	670		BRL				30
MCPA	BRL	U	µg/kg dry	670		BRL				30
MCPP	BRL	U	µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.8*		µg/kg dry		*15.8*		*68*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031403 - SW846 3550B										
Blank (7031403-BLK1)										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
Acenaphthene	BRL	U	µg/kg wet	330						
Acenaphthylene	BRL	U	µg/kg wet	330						
Aniline	BRL	U	µg/kg wet	330						
Anthracene	BRL	U	µg/kg wet	330						
Atrazine	BRL	U	µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL	U	µg/kg wet	330						
Benzidine	BRL	U	µg/kg wet	330						
Benzo (a) anthracene	BRL	U	µg/kg wet	330						
Benzo (a) pyrene	BRL	U	µg/kg wet	330						
Benzo (b) fluoranthene	BRL	U	µg/kg wet	330						
Benzo (g,h,i) perylene	BRL	U	µg/kg wet	330						
Benzo (k) fluoranthene	BRL	U	µg/kg wet	330						
Benzoic acid	BRL	U	µg/kg wet	330						
Benzyl alcohol	BRL	U	µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL	U	µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL	U	µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL	U	µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL	U	µg/kg wet	330						
Butyl benzyl phthalate	BRL	U	µg/kg wet	330						
Carbazole	BRL	U	µg/kg wet	330						
4-Chloro-3-methylphenol	BRL	U	µg/kg wet	330						
4-Chloroaniline	BRL	U	µg/kg wet	330						
2-Chloronaphthalene	BRL	U	µg/kg wet	330						
2-Chlorophenol	BRL	U	µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL	U	µg/kg wet	330						
Chrysene	BRL	U	µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL	U	µg/kg wet	330						
Dibenzofuran	BRL	U	µg/kg wet	330						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	330						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	330						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	330						
3,3´-Dichlorobenzidine	BRL	U	µg/kg wet	330						
2,4-Dichlorophenol	BRL	U	µg/kg wet	330						
Diethyl phthalate	BRL	U	µg/kg wet	330						
Dimethyl phthalate	BRL	U	µg/kg wet	330						
2,4-Dimethylphenol	BRL	U	µg/kg wet	330						
Di-n-butyl phthalate	BRL	U	µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL	U	µg/kg wet	330						
2,4-Dinitrophenol	BRL	U	µg/kg wet	330						
2,4-Dinitrotoluene	BRL	U	µg/kg wet	330						
2,6-Dinitrotoluene	BRL	U	µg/kg wet	330						
Di-n-octyl phthalate	BRL	U	µg/kg wet	330						
Fluoranthene	BRL	U	µg/kg wet	330						
Fluorene	BRL	U	µg/kg wet	330						
Hexachlorobenzene	BRL	U	µg/kg wet	330						
Hexachlorobutadiene	BRL	U	µg/kg wet	330						
Hexachlorocyclopentadiene	BRL	U	µg/kg wet	330						
Hexachloroethane	BRL	U	µg/kg wet	330						
Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg wet	330						
Isophorone	BRL	U	µg/kg wet	330						
1-Methylnaphthalene	BRL	U	µg/kg wet	330						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031403 - SW846 3550B										
Blank (7031403-BLK1)										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
2-Methylnaphthalene	BRL	U	µg/kg wet	330						
2-Methylphenol	BRL	U	µg/kg wet	330						
3,4-Methylphenol	BRL	U	µg/kg wet	330						
Naphthalene	BRL	U	µg/kg wet	330						
2-Nitroaniline	BRL	U	µg/kg wet	330						
3-Nitroaniline	BRL	U	µg/kg wet	330						
4-Nitroaniline	BRL	U	µg/kg wet	1320						
Nitrobenzene	BRL	U	µg/kg wet	330						
2-Nitrophenol	BRL	U	µg/kg wet	330						
4-Nitrophenol	BRL	U	µg/kg wet	1320						
N-Nitrosodimethylamine	BRL	U	µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL	U	µg/kg wet	330						
N-Nitrosodiphenylamine	BRL	U	µg/kg wet	330						
Pentachlorophenol	BRL	U	µg/kg wet	1320						
Phenanthrene	BRL	U	µg/kg wet	330						
Phenol	BRL	U	µg/kg wet	330						
Pyrene	BRL	U	µg/kg wet	330						
Pyridine	BRL	U	µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	330						
2,4,5-Trichlorophenol	BRL	U	µg/kg wet	330						
2,4,6-Trichlorophenol	BRL	U	µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*5070*		µg/kg wet		*6670*		*76*	*30-130*		
Surrogate: 2-Fluorophenol	*5270*		µg/kg wet		*6670*		*79*	*15-110*		
Surrogate: Nitrobenzene-d5	*5550*		µg/kg wet		*6670*		*83*	*30-130*		
Surrogate: Phenol-d5	*4830*		µg/kg wet		*6670*		*72*	*15-110*		
Surrogate: Terphenyl-dl4	*6640*		µg/kg wet		*6670*		*100*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*3700*		µg/kg wet		*6670*		*55*	*15-110*		
LCS (7031403-BS1)										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
Acenaphthene	4830		µg/kg wet	330	6670		72	40-130		
Acenaphthylene	5370		µg/kg wet	330	6670		81	40-130		
Aniline	6100		µg/kg wet	330	6670		91	40-130		
Anthracene	5500		µg/kg wet	330	6670		82	40-130		
Atrazine	7620		µg/kg wet	330	6670		114	40-130		
Azobenzene/Diphenyldiazine	6400		µg/kg wet	330	6670		96	40-130		
Benzidine	BRL	U	µg/kg wet	330	6670			0-130		
Benzo (a) anthracene	4690		µg/kg wet	330	6670		70	40-130		
Benzo (a) pyrene	5080		µg/kg wet	330	6670		76	40-130		
Benzo (b) fluoranthene	4260		µg/kg wet	330	6670		64	40-130		
Benzo (g,h,i) perylene	3040		µg/kg wet	330	6670		46	40-130		
Benzo (k) fluoranthene	6580		µg/kg wet	330	6670		99	40-130		
Benzoic acid	4110		µg/kg wet	330	6670		62	0-130		
Benzyl alcohol	4570		µg/kg wet	330	6670		69	40-130		
Bis(2-chloroethoxy)methane	5270		µg/kg wet	330	6670		79	40-130		
Bis(2-chloroethyl)ether	5570		µg/kg wet	330	6670		84	40-130		
Bis(2-chloroisopropyl)ether	4180		µg/kg wet	330	6670		63	40-130		
Bis(2-ethylhexyl)phthalate	6340		µg/kg wet	330	6670		95	40-130		
4-Bromophenyl phenyl ether	4630		µg/kg wet	330	6670		69	40-130		
Butyl benzyl phthalate	6230		µg/kg wet	330	6670		93	40-130		
Carbazole	7830		µg/kg wet	330	6670		117	40-130		
4-Chloro-3-methylphenol	5020		µg/kg wet	330	6670		75	40-130		
4-Chloroaniline	5220		µg/kg wet	330	6670		78	40-130		
2-Chloronaphthalene	4850		µg/kg wet	330	6670		73	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031403 - SW846 3550B										
LCS (7031403-BS1)										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
2-Chlorophenol	4080		µg/kg wet	330	6670		61	40-130		
4-Chlorophenyl phenyl ether	5130		µg/kg wet	330	6670		77	40-130		
Chrysene	4990		µg/kg wet	330	6670		75	40-130		
Dibenzo (a,h) anthracene	3780		µg/kg wet	330	6670		57	40-130		
Dibenzofuran	5110		µg/kg wet	330	6670		77	40-130		
1,2-Dichlorobenzene	4330		µg/kg wet	330	6670		65	40-130		
1,3-Dichlorobenzene	3720		µg/kg wet	330	6670		56	40-130		
1,4-Dichlorobenzene	4570		µg/kg wet	330	6670		69	40-130		
3,3´-Dichlorobenzidine	5500		µg/kg wet	330	6670		82	40-130		
2,4-Dichlorophenol	4470		µg/kg wet	330	6670		67	40-130		
Diethyl phthalate	5280		µg/kg wet	330	6670		79	40-130		
Dimethyl phthalate	4990		µg/kg wet	330	6670		75	40-130		
2,4-Dimethylphenol	4340		µg/kg wet	330	6670		65	40-130		
Di-n-butyl phthalate	5460		µg/kg wet	330	6670		82	40-130		
4,6-Dinitro-2-methylphenol	2170	QC2	µg/kg wet	330	6670		33	40-130		
2,4-Dinitrophenol	2540	QC2	µg/kg wet	330	6670		38	40-130		
2,4-Dinitrotoluene	5090		µg/kg wet	330	6670		76	40-130		
2,6-Dinitrotoluene	5420		µg/kg wet	330	6670		81	40-130		
Di-n-octyl phthalate	9140	QC2	µg/kg wet	330	6670		137	40-130		
Fluoranthene	4460		µg/kg wet	330	6670		67	40-130		
Fluorene	5170		µg/kg wet	330	6670		78	40-130		
Hexachlorobenzene	4480		µg/kg wet	330	6670		67	40-130		
Hexachlorobutadiene	4580		µg/kg wet	330	6670		69	40-130		
Hexachlorocyclopentadiene	2160	QC2	µg/kg wet	330	6670		32	40-130		
Hexachloroethane	4270		µg/kg wet	330	6670		64	40-130		
Indeno (1,2,3-cd) pyrene	3070		µg/kg wet	330	6670		46	40-130		
1-Methylnaphthalene	5350		µg/kg wet	330	6670		80	40-140		
Isophorone	5480		µg/kg wet	330	6670		82	40-130		
2-Methylnaphthalene	5200		µg/kg wet	330	6670		78	40-130		
2-Methylphenol	4250		µg/kg wet	330	6670		64	40-130		
3,4-Methylphenol	4760		µg/kg wet	330	6670		71	40-130		
Naphthalene	5050		µg/kg wet	330	6670		76	40-130		
2-Nitroaniline	5170		µg/kg wet	330	6670		78	40-130		
3-Nitroaniline	5850		µg/kg wet	330	6670		88	40-130		
4-Nitroaniline	7610		µg/kg wet	1320	6670		114	40-130		
Nitrobenzene	5670		µg/kg wet	330	6670		85	40-130		
2-Nitrophenol	4400		µg/kg wet	330	6670		66	40-130		
4-Nitrophenol	3400		µg/kg wet	1320	6670		51	40-130		
N-Nitrosodimethylamine	4240		µg/kg wet	330	6670		64	40-130		
N-Nitrosodi-n-propylamine	6250		µg/kg wet	330	6670		94	40-130		
N-Nitrosodiphenylamine	6060		µg/kg wet	330	6670		91	40-130		
Pentachlorophenol	3880		µg/kg wet	1320	6670		58	40-130		
Phenanthrene	4590		µg/kg wet	330	6670		69	40-130		
Phenol	4690		µg/kg wet	330	6670		70	40-130		
Pyrene	5280		µg/kg wet	330	6670		79	40-130		
Pyridine	3210		µg/kg wet	330	6670		48	40-130		
1,2,4-Trichlorobenzene	4660		µg/kg wet	330	6670		70	40-130		
2,4,5-Trichlorophenol	4420		µg/kg wet	330	6670		66	40-130		
2,4,6-Trichlorophenol	3420		µg/kg wet	330	6670		51	40-130		
Surrogate: 2-Fluorobiphenyl	*5050*		µg/kg wet		*6670*		*76*	*30-130*		
Surrogate: 2-Fluorophenol	*3940*		µg/kg wet		*6670*		*59*	*15-110*		
Surrogate: Nitrobenzene-d5	*5980*		µg/kg wet		*6670*		*90*	*30-130*		
Surrogate: Phenol-d5	*4010*		µg/kg wet		*6670*		*60*	*15-110*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031403 - SW846 3550B										
LCS (7031403-BS1)										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
Surrogate: Terphenyl-dl4	*5550*		µg/kg wet		*6670*		*83*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*4330*		µg/kg wet		*6670*		*65*	*15-110*		
Duplicate (7031403-DUP1) **Source: SA59631-03**										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
Acenaphthene	BRL	U	µg/kg dry	236		BRL				50
Acenaphthylene	BRL	U	µg/kg dry	236		BRL				50
Aniline	BRL	U	µg/kg dry	236		BRL				50
Anthracene	BRL	U	µg/kg dry	236		BRL				50
Atrazine	BRL	U	µg/kg dry	236		0.00				50
Azobenzene/Diphenyldiazine	BRL	U	µg/kg dry	236		BRL				50
Benzidine	BRL	U	µg/kg dry	236		BRL				50
Benzo (a) anthracene	BRL	U	µg/kg dry	236		BRL				50
Benzo (a) pyrene	BRL	U	µg/kg dry	236		BRL				50
Benzo (b) fluoranthene	BRL	U	µg/kg dry	236		BRL				50
Benzo (g,h,i) perylene	BRL	U	µg/kg dry	236		BRL				50
Benzo (k) fluoranthene	BRL	U	µg/kg dry	236		BRL				50
Benzoic acid	BRL	U	µg/kg dry	236		BRL				50
Benzyl alcohol	BRL	U	µg/kg dry	236		BRL				50
Bis(2-chloroethoxy)methane	BRL	U	µg/kg dry	236		BRL				50
Bis(2-chloroethyl)ether	BRL	U	µg/kg dry	236		BRL				50
Bis(2-chloroisopropyl)ether	BRL	U	µg/kg dry	236		BRL				50
Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	236		BRL				50
4-Bromophenyl phenyl ether	BRL	U	µg/kg dry	236		BRL				50
Butyl benzyl phthalate	BRL	U	µg/kg dry	236		BRL				50
Carbazole	BRL	U	µg/kg dry	236		BRL				50
4-Chloro-3-methylphenol	BRL	U	µg/kg dry	236		BRL				50
4-Chloroaniline	BRL	U	µg/kg dry	236		BRL				50
2-Chloronaphthalene	BRL	U	µg/kg dry	236		BRL				50
2-Chlorophenol	BRL	U	µg/kg dry	236		BRL				50
4-Chlorophenyl phenyl ether	BRL	U	µg/kg dry	236		BRL				50
Chrysene	BRL	U	µg/kg dry	236		BRL				50
Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	236		BRL				50
Dibenzofuran	BRL	U	µg/kg dry	236		BRL				50
1,2-Dichlorobenzene	BRL	U	µg/kg dry	236		BRL				50
1,3-Dichlorobenzene	BRL	U	µg/kg dry	236		BRL				50
1,4-Dichlorobenzene	BRL	U	µg/kg dry	236		BRL				50
3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	236		BRL				50
2,4-Dichlorophenol	BRL	U	µg/kg dry	236		BRL				50
Diethyl phthalate	BRL	U	µg/kg dry	236		BRL				50
Dimethyl phthalate	BRL	U	µg/kg dry	236		BRL				50
2,4-Dimethylphenol	BRL	U	µg/kg dry	236		BRL				50
Di-n-butyl phthalate	BRL	U	µg/kg dry	236		BRL				50
4,6-Dinitro-2-methylphenol	BRL	U	µg/kg dry	236		BRL				50
2,4-Dinitrophenol	BRL	U	µg/kg dry	236		BRL				50
2,4-Dinitrotoluene	BRL	U	µg/kg dry	236		BRL				50
2,6-Dinitrotoluene	BRL	U	µg/kg dry	236		BRL				50
Di-n-octyl phthalate	BRL	U	µg/kg dry	236		BRL				50
Fluoranthene	BRL	U	µg/kg dry	236		BRL				50
Fluorene	BRL	U	µg/kg dry	236		BRL				50
Hexachlorobenzene	BRL	U	µg/kg dry	236		BRL				50
Hexachlorobutadiene	BRL	U	µg/kg dry	236		BRL				50
Hexachlorocyclopentadiene	BRL	U	µg/kg dry	236		BRL				50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031403 - SW846 3550B										
Duplicate (7031403-DUP1) **Source: SA59631-03**										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
Hexachloroethane	BRL	U	µg/kg dry	236		BRL				50
Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	236		BRL				50
1-Methylnaphthalene	BRL	U	µg/kg dry	236		BRL				50
Isophorone	BRL	U	µg/kg dry	236		BRL				50
2-Methylnaphthalene	BRL	U	µg/kg dry	236		BRL				50
2-Methylphenol	BRL	U	µg/kg dry	236		BRL				50
3,4-Methylphenol	BRL	U	µg/kg dry	236		BRL				50
Naphthalene	BRL	U	µg/kg dry	236		BRL				50
2-Nitroaniline	BRL	U	µg/kg dry	236		BRL				50
3-Nitroaniline	BRL	U	µg/kg dry	236		BRL				50
4-Nitroaniline	BRL	U	µg/kg dry	945		BRL				50
Nitrobenzene	BRL	U	µg/kg dry	236		BRL				50
2-Nitrophenol	BRL	U	µg/kg dry	236		BRL				50
4-Nitrophenol	BRL	U	µg/kg dry	945		BRL				50
N-Nitrosodimethylamine	BRL	U	µg/kg dry	236		BRL				50
N-Nitrosodi-n-propylamine	BRL	U	µg/kg dry	236		BRL				50
N-Nitrosodiphenylamine	BRL	U	µg/kg dry	236		BRL				50
Pentachlorophenol	BRL	U	µg/kg dry	945		BRL				50
Phenanthrene	BRL	U	µg/kg dry	236		BRL				50
Phenol	BRL	U	µg/kg dry	236		BRL				50
Pyrene	BRL	U	µg/kg dry	236		BRL				50
Pyridine	BRL	U	µg/kg dry	236		BRL				50
1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	236		BRL				50
2,4,5-Trichlorophenol	BRL	U	µg/kg dry	236		BRL				50
2,4,6-Trichlorophenol	BRL	U	µg/kg dry	236		BRL				50
Surrogate: 2-Fluorobiphenyl	*1310*		µg/kg dry		*2390*		*55*	*30-130*		
Surrogate: 2-Fluorophenol	*1320*		µg/kg dry		*2390*		*55*	*15-110*		
Surrogate: Nitrobenzene-d5	*1540*		µg/kg dry		*2390*		*64*	*30-130*		
Surrogate: Phenol-d5	*1440*		µg/kg dry		*2390*		*60*	*15-110*		
Surrogate: Terphenyl-dl4	*1940*		µg/kg dry		*2390*		*81*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1180*		µg/kg dry		*2390*		*49*	*15-110*		
Matrix Spike (7031403-MS1) **Source: SA59631-03**										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
Acenaphthene	3180		µg/kg dry	236	4770	BRL	67	40-140		
4-Chloro-3-methylphenol	6020		µg/kg dry	236	9540	BRL	63	30-130		
2-Chlorophenol	5230		µg/kg dry	236	9540	BRL	55	30-130		
1,4-Dichlorobenzene	2610		µg/kg dry	236	4770	BRL	55	40-140		
2,4-Dinitrotoluene	2900		µg/kg dry	236	4770	BRL	61	40-140		
4-Nitrophenol	3850		µg/kg dry	945	9540	BRL	40	30-130		
N-Nitrosodi-n-propylamine	3510		µg/kg dry	236	4770	BRL	74	40-140		
Pentachlorophenol	4180		µg/kg dry	945	9540	BRL	44	30-130		
Phenol	5670		µg/kg dry	236	9540	BRL	59	30-130		
Pyrene	3760		µg/kg dry	236	4770	BRL	79	40-140		
1,2,4-Trichlorobenzene	2370		µg/kg dry	236	4770	BRL	50	40-140		
Surrogate: 2-Fluorobiphenyl	*3130*		µg/kg dry		*4770*		*66*	*30-130*		
Surrogate: 2-Fluorophenol	*2350*		µg/kg dry		*4770*		*49*	*15-110*		
Surrogate: Nitrobenzene-d5	*3330*		µg/kg dry		*4770*		*70*	*30-130*		
Surrogate: Phenol-d5	*2360*		µg/kg dry		*4770*		*49*	*15-110*		
Surrogate: Terphenyl-dl4	*3950*		µg/kg dry		*4770*		*83*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2600*		µg/kg dry		*4770*		*55*	*15-110*		
Matrix Spike Dup (7031403-MSD1) **Source: SA59631-03**										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
Acenaphthene	3460		µg/kg dry	241	4860	BRL	71	40-140	6	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031403 - SW846 3550B										
Matrix Spike Dup (7031403-MSD1) Source: SA59631-03										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
4-Chloro-3-methylphenol	6570		µg/kg dry	241	9720	BRL	68	30-130	8	30
2-Chlorophenol	5860		µg/kg dry	241	9720	BRL	60	30-130	9	30
1,4-Dichlorobenzene	2920		µg/kg dry	241	4860	BRL	60	40-140	9	30
2,4-Dinitrotoluene	3360		µg/kg dry	241	4860	BRL	69	40-140	12	30
4-Nitrophenol	4060		µg/kg dry	963	9720	BRL	42	30-130	5	30
N-Nitrosodi-n-propylamine	3800		µg/kg dry	241	4860	BRL	78	40-140	5	30
Pentachlorophenol	4820		µg/kg dry	963	9720	BRL	50	30-130	13	30
Phenol	6200		µg/kg dry	241	9720	BRL	64	30-130	8	30
Pyrene	4180		µg/kg dry	241	4860	BRL	86	40-140	8	30
1,2,4-Trichlorobenzene	2680		µg/kg dry	241	4860	BRL	55	40-140	10	30
Surrogate: 2-Fluorobiphenyl	*3420*		µg/kg dry		*4860*		*70*	*30-130*		
Surrogate: 2-Fluorophenol	*2720*		µg/kg dry		*4860*		*56*	*15-110*		
Surrogate: Nitrobenzene-d5	*3680*		µg/kg dry		*4860*		*76*	*30-130*		
Surrogate: Phenol-d5	*2690*		µg/kg dry		*4860*		*55*	*15-110*		
Surrogate: Terphenyl-dl4	*4350*		µg/kg dry		*4860*		*90*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2910*		µg/kg dry		*4860*		*60*	*15-110*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031398 - SW846 3050B										
Blank (7031398-BLK1)										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
Thallium	BRL	U	mg/kg wet	1.36						
Selenium	BRL	U	mg/kg wet	1.36						
Antimony	0.358	J	mg/kg wet	1.36						
Lead	BRL	U	mg/kg wet	0.680						
Zinc	0.752	QB1	mg/kg wet	0.453						
Nickel	BRL	U	mg/kg wet	0.453						
Sodium	7.49	J	mg/kg wet	11.3						
Manganese	BRL	U	mg/kg wet	1.81						
Potassium	9.34	J	mg/kg wet	11.3						
Iron	1.81	QB1	mg/kg wet	0.453						
Vanadium	BRL	U	mg/kg wet	0.453						
Magnesium	BRL	U	mg/kg wet	2.27						
Copper	BRL	U	mg/kg wet	0.453						
Chromium	BRL	U	mg/kg wet	0.453						
Aluminum	BRL	U	mg/kg wet	1.36						
Silver	BRL	U	mg/kg wet	0.906						
Cobalt	BRL	U	mg/kg wet	0.453						
Cadmium	BRL	U	mg/kg wet	0.227						
Calcium	BRL	U	mg/kg wet	4.53						
Beryllium	BRL	U	mg/kg wet	0.181						
Arsenic	BRL	U	mg/kg wet	1.36						
Barium	BRL	U	mg/kg wet	0.453						
Duplicate (7031398-DUP1) **Source: SA59631-01**										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
Potassium	918		mg/kg dry	13.5		977			6	20
Lead	50.3	QR6	mg/kg dry	0.813		157			103	20
Thallium	BRL	U	mg/kg dry	1.63		BRL				20
Selenium	0.797	J	mg/kg dry	1.63		BRL				20
Antimony	0.672	J	mg/kg dry	1.63		0.638			5	20
Vanadium	16.5		mg/kg dry	0.542		15.9			4	20
Nickel	14.5	QR6	mg/kg dry	0.542		23.7			48	20
Zinc	248	QR6	mg/kg dry	0.542		379			42	20
Sodium	319		mg/kg dry	13.5		263			19	20
Magnesium	3830	QM2	mg/kg dry	27.1		4930			25	20
Iron	11300	QM2	mg/kg dry	0.542		16100			35	20
Manganese	241		mg/kg dry	2.17		273			12	20
Silver	BRL	U	mg/kg dry	1.08		BRL				20
Arsenic	1.37	QR4, J	mg/kg dry	1.63		2.68			65	20
Aluminum	4250		mg/kg dry	1.63		4790			12	20
Beryllium	0.206	J	mg/kg dry	0.217		0.224			8	20
Calcium	5050	QM2	mg/kg dry	5.42		7040			33	20
Cadmium	1.02	QR1	mg/kg dry	0.271		1.60			44	20
Copper	30.2	QR6	mg/kg dry	0.542		23.9			23	20
Cobalt	4.53		mg/kg dry	0.542		4.90			8	20
Chromium	8.96		mg/kg dry	0.542		10.9			20	20
Barium	48.6	QR6	mg/kg dry	0.542		90.5			60	20
Matrix Spike (7031398-MS1) **Source: SA59631-03**										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
Potassium	2870	QM2	mg/kg dry	13.0	1300	608	174	75-125		
Magnesium	2640	QM2	mg/kg dry	25.9	130	1700	723	75-125		
Nickel	117		mg/kg dry	0.518	130	6.28	85	75-125		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031398 - SW846 3050B										
Matrix Spike (7031398-MS1) **Source: SA59631-03**										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
Iron	7670	QM2	mg/kg dry	0.518	130	6530	877	75-125		
Antimony	89.7	QM8	mg/kg dry	1.55	130	0.533	69	75-125		
Sodium	1200	QM2	mg/kg dry	13.0	648	98.6	170	75-125		
Lead	116		mg/kg dry	0.777	130	4.58	86	75-125		
Manganese	336		mg/kg dry	2.07	130	186	115	75-125		
Thallium	108		mg/kg dry	1.55	130	BRL	83	75-125		
Zinc	129		mg/kg dry	0.518	130	14.2	88	75-125		
Vanadium	138		mg/kg dry	0.518	130	9.91	99	75-125		
Selenium	112		mg/kg dry	1.55	130	BRL	86	75-125		
Copper	131		mg/kg dry	0.518	130	7.83	95	75-125		
Silver	59.8	QM8	mg/kg dry	1.04	130	BRL	46	75-125		
Cobalt	116		mg/kg dry	0.518	130	3.78	86	75-125		
Cadmium	116		mg/kg dry	0.259	130	0.186	89	75-125		
Beryllium	118		mg/kg dry	0.207	130	0.151	91	75-125		
Calcium	2520	QM2	mg/kg dry	5.18	648	909	249	75-125		
Aluminum	6250	QM2	mg/kg dry	1.55	130	2940	NR	75-125		
Arsenic	113		mg/kg dry	1.55	130	0.940	86	75-125		
Chromium	129		mg/kg dry	0.518	130	6.43	94	75-125		
Barium	160		mg/kg dry	0.518	130	23.4	105	75-125		
Matrix Spike Dup (7031398-MSD1) **Source: SA59631-03**										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
Nickel	114		mg/kg dry	0.519	130	6.28	83	75-125	3	20
Zinc	126		mg/kg dry	0.519	130	14.2	86	75-125	2	20
Selenium	109		mg/kg dry	1.56	130	BRL	84	75-125	3	20
Vanadium	136		mg/kg dry	0.519	130	9.91	97	75-125	1	20
Lead	113		mg/kg dry	0.778	130	4.58	83	75-125	3	20
Potassium	3030	QM2	mg/kg dry	13.0	1300	608	186	75-125	5	20
Manganese	361	QM8	mg/kg dry	2.07	130	186	135	75-125	7	20
Sodium	1160	QM2	mg/kg dry	13.0	648	98.6	164	75-125	3	20
Thallium	104		mg/kg dry	1.56	130	BRL	80	75-125	4	20
Magnesium	2910	QM2	mg/kg dry	25.9	130	1700	931	75-125	10	20
Antimony	86.4	QM8	mg/kg dry	1.56	130	0.533	66	75-125	4	20
Iron	7980	QM2	mg/kg dry	0.519	130	6530	NR	75-125	4	20
Calcium	2360	QM2	mg/kg dry	5.19	648	909	224	75-125	7	20
Cobalt	113		mg/kg dry	0.519	130	3.78	84	75-125	3	20
Silver	61.0	QM8	mg/kg dry	1.04	130	BRL	47	75-125	2	20
Copper	127		mg/kg dry	0.519	130	7.83	92	75-125	3	20
Beryllium	117		mg/kg dry	0.207	130	0.151	90	75-125	0.9	20
Arsenic	110		mg/kg dry	1.56	130	0.940	84	75-125	3	20
Chromium	126		mg/kg dry	0.519	130	6.43	92	75-125	2	20
Cadmium	113		mg/kg dry	0.259	130	0.186	87	75-125	3	20
Aluminum	6370	QM2	mg/kg dry	1.56	130	2940	NR	75-125	2	20
Barium	165		mg/kg dry	0.519	130	23.4	109	75-125	3	20
Post Spike (7031398-PS1) **Source: SA59631-03**										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
Manganese	319		mg/kg dry	2.32	145	186	92	80-120		
Selenium	132		mg/kg dry	1.74	145	BRL	91	80-120		
Antimony	126		mg/kg dry	1.74	145	0.533	87	80-120		
Lead	133		mg/kg dry	0.871	145	4.58	89	80-120		
Thallium	125		mg/kg dry	1.74	145	BRL	86	80-120		
Vanadium	149		mg/kg dry	0.581	145	9.91	96	80-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031398 - SW846 3050B										
Post Spike (7031398-PS1) **Source: SA59631-03**										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
Sodium	809		mg/kg dry	14.5	726	98.6	98	80-120		
Nickel	138		mg/kg dry	0.581	145	6.28	91	80-120		
Magnesium	2190	QM2	mg/kg dry	29.0	145	1700	338	80-120		
Iron	6570	QM2	mg/kg dry	0.581	145	6530	28	80-120		
Potassium	1950		mg/kg dry	14.5	1450	608	93	80-120		
Zinc	145		mg/kg dry	0.581	145	14.2	90	80-120		
Cobalt	134		mg/kg dry	0.581	145	3.78	90	80-120		
Copper	146		mg/kg dry	0.581	145	7.83	95	80-120		
Arsenic	130		mg/kg dry	1.74	145	0.940	89	80-120		
Beryllium	138		mg/kg dry	0.232	145	0.151	95	80-120		
Silver	119		mg/kg dry	1.16	145	BRL	82	80-120		
Chromium	143		mg/kg dry	0.581	145	6.43	94	80-120		
Cadmium	135		mg/kg dry	0.290	145	0.186	93	80-120		
Aluminum	3020	QM2	mg/kg dry	1.74	145	2940	55	80-120		
Calcium	1650		mg/kg dry	5.81	726	909	102	80-120		
Barium	160		mg/kg dry	0.581	145	23.4	94	80-120		
Reference (7031398-SRM1)										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
Vanadium	48.7		mg/kg wet	0.500	53.0		92	77.1-122.6		
Selenium	70.8		mg/kg wet	1.50	77.5		91	77.4-122.6		
Zinc	105		mg/kg wet	0.500	115		91	79.1-120.9		
Thallium	58.4		mg/kg wet	1.50	65.5		89	77.1-122.9		
Antimony	17.9		mg/kg wet	1.50	53.5		33	0-211.2		
Lead	40.5		mg/kg wet	0.750	44.5		91	81.8-118.1		
Iron	6700		mg/kg wet	0.500	8250		81	50.8-149.1		
Sodium	231		mg/kg wet	12.5	228		101	64-136		
Manganese	142		mg/kg wet	2.00	151		94	79.1-121		
Magnesium	1440		mg/kg wet	2.50	1530		94	73.1-127.2		
Potassium	1370		mg/kg wet	12.5	1410		97	73.3-126.7		
Nickel	51.7		mg/kg wet	0.500	58.0		89	82.6-117.2		
Cobalt	34.5		mg/kg wet	0.500	37.4		92	81.8-118.2		
Silver	31.3		mg/kg wet	1.00	40.8		77	66.3-133.6		
Calcium	4000		mg/kg wet	5.00	3820		105	80.7-119.2		
Aluminum	4700		mg/kg wet	1.50	4520		104	52.3-147.3		
Cadmium	30.0		mg/kg wet	0.250	31.5		95	82.1-117.9		
Arsenic	39.4		mg/kg wet	1.50	44.4		89	80.8-119.4		
Chromium	44.6		mg/kg wet	0.500	49.0		91	78.9-120.5		
Copper	44.7		mg/kg wet	0.500	43.5		103	82.4-117.2		
Beryllium	29.6		mg/kg wet	0.200	30.7		96	83-116.9		
Barium	209		mg/kg wet	0.500	214		98	82.7-117.3		
Reference (7031398-SRM2)										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
Manganese	148		mg/kg wet	2.00	152		97	79.1-121		
Iron	6920		mg/kg wet	0.500	8330		83	50.8-149.1		
Zinc	108		mg/kg wet	0.500	116		93	79.1-120.9		
Magnesium	1590		mg/kg wet	2.50	1540		103	73.1-127.2		
Sodium	235		mg/kg wet	12.5	230		102	64-136		
Thallium	61.8		mg/kg wet	1.50	66.2		93	77.1-122.9		
Lead	42.2		mg/kg wet	0.750	44.9		94	81.8-118.1		
Antimony	17.1		mg/kg wet	1.50	54.0		32	0-211.2		
Selenium	73.4		mg/kg wet	1.50	78.3		94	77.4-122.6		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031398 - SW846 3050B										
Reference (7031398-SRM2)										
Prepared: 23-Mar-07 Analyzed: 24-Mar-07										
Nickel	52.8		mg/kg wet	0.500	58.6		90	82.6-117.2		
Potassium	1400		mg/kg wet	12.5	1420		99	73.3-126.7		
Vanadium	50.7		mg/kg wet	0.500	53.5		95	77.1-122.6		
Calcium	3820		mg/kg wet	5.00	3850		99	80.7-119.2		
Silver	28.8		mg/kg wet	1.00	41.2		70	66.3-133.6		
Aluminum	4780		mg/kg wet	1.50	4560		105	52.3-147.3		
Cadmium	30.1		mg/kg wet	0.250	31.8		95	82.1-117.9		
Arsenic	41.1		mg/kg wet	1.50	44.8		92	80.8-119.4		
Chromium	46.6		mg/kg wet	0.500	49.4		94	78.9-120.5		
Copper	45.5		mg/kg wet	0.500	43.9		104	82.4-117.2		
Cobalt	35.8		mg/kg wet	0.500	37.7		95	81.8-118.2		
Beryllium	31.0		mg/kg wet	0.200	31.0		100	83-116.9		
Barium	220		mg/kg wet	0.500	216		102	82.7-117.3		
Batch 7031399 - EPA200/SW7000 Series										
Blank (7031399-BLK1)										
Prepared: 23-Mar-07 Analyzed: 26-Mar-07										
Mercury	BRL	U	mg/kg wet	0.0290						
Duplicate (7031399-DUP1) **Source: SA59631-01**										
Prepared: 23-Mar-07 Analyzed: 26-Mar-07										
Mercury	0.0388	QR6	mg/kg dry	0.0345		0.0822			72	20
Matrix Spike (7031399-MS1) **Source: SA59631-03**										
Prepared: 23-Mar-07 Analyzed: 26-Mar-07										
Mercury	0.453		mg/kg dry	0.0347	0.482	BRL	94	75-125		
Matrix Spike Dup (7031399-MSD1) **Source: SA59631-03**										
Prepared: 23-Mar-07 Analyzed: 26-Mar-07										
Mercury	0.454		mg/kg dry	0.0355	0.493	BRL	92	75-125	0.2	20
Post Spike (7031399-PS1) **Source: SA59631-03**										
Prepared: 23-Mar-07 Analyzed: 26-Mar-07										
Mercury	0.439		mg/kg dry	0.0350	0.486	BRL	90	85-115		
Reference (7031399-SRM1)										
Prepared: 23-Mar-07 Analyzed: 26-Mar-07										
Mercury	1.01		mg/kg wet	0.0300	1.13		89	65.9-132.6		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7031469 - General Preparation										
Duplicate (7031469-DUP1)	**Source: SA59631-01**									
Prepared & Analyzed: 24-Mar-07										
% Solids	84.9		%			86.3			2	20
Batch 7031547 - SW846 9010										
Blank (7031547-BLK1)										
Prepared & Analyzed: 26-Mar-07										
Cyanide (total)	BRL	U	mg/kg wet	1.00						
LCS (7031547-BS1)										
Prepared & Analyzed: 26-Mar-07										
Cyanide (total)	29.4		mg/kg wet	1.00	30.0		98	90-110		
LCS (7031547-BS2)										
Prepared & Analyzed: 26-Mar-07										
Cyanide (total)	76.3		mg/kg wet	1.00	80.0		95	90-110		
Duplicate (7031547-DUP1)	**Source: SA59631-04**									
Prepared & Analyzed: 26-Mar-07										
Cyanide (total)	BRL	U	mg/kg dry	1.06		BRL				35
Matrix Spike (7031547-MS1)	**Source: SA59631-04**									
Prepared & Analyzed: 26-Mar-07										
Cyanide (total)	12.2		mg/kg dry	1.11	11.1	BRL	110	75-125		
Matrix Spike Dup (7031547-MSD1)	**Source: SA59631-04**									
Prepared & Analyzed: 26-Mar-07										
Cyanide (total)	11.0		mg/kg dry	1.07	10.7	BRL	103	75-125	10	35
Reference (7031547-SRM1)										
Prepared & Analyzed: 26-Mar-07										
Cyanide (total)	195		mg/kg wet	4.44	240		81	40-160		

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QB1	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.
QR1	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR4	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
U	Analyte included in the analysis, but not detected
vex2	Field extracted
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

Report Date:
21-Sep-07 12:35

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Env Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: 166-218 Myrtle Ave - Brooklyn, NY
Project 5762901

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA68202-01	LEG-23a (0-2)	Soil	14-Sep-07 10:15	15-Sep-07 09:53
SA68202-02	LEG-23a (20-22)	Soil	14-Sep-07 11:45	15-Sep-07 09:53
SA68202-03	LEG-23a-WC	Soil	14-Sep-07 12:00	15-Sep-07 09:53
SA68202-04	Dup-2	Soil	14-Sep-07 00:00	15-Sep-07 09:53

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 58 pages of analytical data plus Chain of Custody document(s).
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New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NH-2972, NY-11840, FL-E87936 and NJ-MA012).

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-23a (0-2) SA68202-01	5762901	Soil	14-Sep-07 10:15	15-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A			1	VOC Soil Extraction	17-Sep-07	17-Sep-07	7091044	DG
Volatile Organic Compounds										SA68202-01RE1		
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	6.6	2.7	1	SW 846 8260B	19-Sep-07	20-Sep-07	7091267	jro
67-64-1	Acetone	BRL	U	µg/kg dry	66.1	58.0	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	6.6	0.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	66.1	4.7	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	33.1	0.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.6	0.9	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	13.2	1.5	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.6	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.6	1.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.6	0.9	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.6	0.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.6	0.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.6	0.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	66.1	0.7	1	"	"	"	"	"
75-09-2	Methylene chloride	8.2	O01, J	µg/kg dry	66.1	3.2	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.6	1.1	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	6.6	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.6	1.1	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.6	0.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.6	0.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	13.2	1.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.6	1.2	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*101*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*119*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
319-84-6	alpha-BHC	BRL	U	µg/kg dry	16.1	0.256	1	SW846 8081A	18-Sep-07	19-Sep-07	7091050	RP
319-85-7	beta-BHC	BRL	U	µg/kg dry	16.1	2.62	1	"	"	"	"	"
319-86-8	delta-BHC	BRL	U	µg/kg dry	16.1	0.199	1	"	"	"	"	"
58-89-9	gamma-BHC (Lindane)	BRL	U	µg/kg dry	16.1	0.181	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	16.1	0.432	1	"	"	"	"	"
309-00-2	Aldrin	BRL	U	µg/kg dry	16.1	0.135	1	"	"	"	"	"
1024-57-3	Heptachlor epoxide	BRL	U	µg/kg dry	16.1	0.244	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	16.1	0.657	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-23a (0-2) SA68202-01	5762901	Soil	14-Sep-07 10:15	15-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	16.1	0.243	1	SW846 8081A	18-Sep-07	19-Sep-07	7091050	RP
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	16.1	0.372	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	16.1	0.548	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	16.1	0.577	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	16.1	0.374	1	"	"	"	"	"
1031-07-8	Endosulfan sulfate	BRL	U	µg/kg dry	16.1	0.419	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	16.1	0.343	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	16.1	0.164	1	"	"	"	"	"
53494-70-5	Endrin ketone	BRL	U	µg/kg dry	16.1	1.08	1	"	"	"	"	"
7421-93-4	Endrin aldehyde	BRL	U	µg/kg dry	16.1	0.172	1	"	"	"	"	"
5103-71-9	alpha-Chlordane	BRL	U	µg/kg dry	16.1	2.44	1	"	"	"	"	"
5103-74-2	gamma-Chlordane	BRL	U	µg/kg dry	16.1	0.606	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/kg dry	80.3	1.87	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	80.3	0.895	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*31*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*45*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	32.7	2.06	1	SW846 8082	18-Sep-07	19-Sep-07	7091049	SM
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	32.7	2.06	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	32.7	4.80	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	32.7	4.11	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	32.7	4.91	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	32.7	1.49	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	32.7	1.71	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	32.7	0.274	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	32.7	0.131	1	"	"	"	"	"
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*		*30-150 %*				"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	SW846 8151A	17-Sep-07	18-Sep-07	7090826	MAL
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	"	"	"	"	"
94-82-6	2,4-DB	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
75-99-0	Dalapon	BRL	U	µg/kg dry	6.70	1.00	1	"	"	"	"	"
1918-00-9	Dicamba	BRL	U	µg/kg dry	6.70	1.00	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL	U	µg/kg dry	6.70	1.20	1	"	"	"	"	"
88-85-7	Dinoseb	BRL	U	µg/kg dry	6.70	0.700	1	"	"	"	"	"
94-74-6	MCPA	BRL	U	µg/kg dry	670	126	1	"	"	"	"	"
94-81-5	MCPB	BRL	U	µg/kg dry	670	88.8	1	"	"	"	"	"
93-65-2	MCPP	BRL	U	µg/kg dry	670	116	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*83*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3545A												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-23a (0-2)	5762901	Soil	14-Sep-07 10:15	15-Sep-07
SA68202-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	267	6.47	1	SW846 8270C	18-Sep-07	19-Sep-07	7091048	M.B
208-96-8	Acenaphthylene	BRL		µg/kg dry	267	8.09	1	"	"	"	"	"
62-53-3	Aniline	BRL		µg/kg dry	267	20.5	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/kg dry	267	8.09	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	267	17.2	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	267	9.14	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	267	35.6	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	267	7.52	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	267	10.8	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL		µg/kg dry	267	4.85	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	267	51.3	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	267	30.7	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	267	9.70	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL		µg/kg dry	267	25.9	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL		µg/kg dry	267	5.39	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/kg dry	267	3.80	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	267	4.29	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL		µg/kg dry	267	3.23	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	267	19.4	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	267	7.04	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/kg dry	267	8.65	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	267	7.52	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	267	7.04	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	267	16.7	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	267	6.47	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	267	12.9	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/kg dry	267	6.47	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	267	6.47	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	267	20.0	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	267	12.4	1	"	"	"	"	"
78-59-1	Isophorone	BRL		µg/kg dry	267	16.2	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	267	5.90	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/kg dry	267	11.3	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/kg dry	267	6.47	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	267	10.3	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL		µg/kg dry	267	3.23	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL		µg/kg dry	267	9.14	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL		µg/kg dry	267	9.70	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/kg dry	267	12.4	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1070	14.0	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL		µg/kg dry	1070	17.2	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/kg dry	267	12.4	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/kg dry	267	5.39	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/kg dry	267	18.9	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	267	5.39	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*56*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*56*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*57*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*55*		*15-110 %*				"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-23a (0-2) SA68202-01	5762901	Soil	14-Sep-07 10:15	15-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3545A												
1718-51-0	*Terphenyl-dl4*	*53*		*30-130 %*				SW846 8270C	18-Sep-07	19-Sep-07	7091048	M.B
118-79-6	*2,4,6-Tribromophenol*	*61*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.57	0.366	1	SW846 6010B	18-Sep-07	19-Sep-07	7091089	SA
7429-90-5	Aluminum	6,770		mg/kg dry	2.09	1.31	1	"	"	"	"	"
7440-38-2	Arsenic	5.20		mg/kg dry	1.57	0.241	1	"	"	"	"	"
7440-39-3	Barium	53.8		mg/kg dry	1.05	0.176	1	"	"	"	"	"
7440-41-7	Beryllium	0.324	J	mg/kg dry	0.523	0.116	1	"	"	"	"	"
7440-70-2	Calcium	8,650		mg/kg dry	26.2	4.19	1	"	"	"	"	"
7440-43-9	Cadmium	0.361	J	mg/kg dry	0.523	0.0178	1	"	"	"	"	"
7440-48-4	Cobalt	7.02		mg/kg dry	1.05	0.0450	1	"	"	"	"	"
7440-47-3	Chromium	14.7		mg/kg dry	1.05	0.302	1	"	"	"	"	"
7440-50-8	Copper	32.4		mg/kg dry	1.05	0.203	1	"	"	"	"	"
7439-89-6	Iron	11,300		mg/kg dry	2.09	0.526	1	"	"	"	"	"
7439-97-6	Mercury	0.280		mg/kg dry	0.0326	0.0078	1	SW846 7471A	"	20-Sep-07	7091090	YP
7440-09-7	Potassium	1,330		mg/kg dry	52.3	18.3	1	SW846 6010B	"	19-Sep-07	7091089	SA
7439-95-4	Magnesium	4,330		mg/kg dry	5.23	0.155	1	"	"	"	"	"
7439-96-5	Manganese	303		mg/kg dry	1.05	0.293	1	"	"	"	"	"
7440-23-5	Sodium	525		mg/kg dry	26.2	6.08	1	"	"	"	"	"
7440-02-0	Nickel	37.3		mg/kg dry	1.05	0.103	1	"	"	"	"	"
7439-92-1	Lead	127		mg/kg dry	1.57	0.163	1	"	"	"	"	"
7440-36-0	Antimony	BRL	U	mg/kg dry	3.14	0.382	1	"	"	"	"	"
7782-49-2	Selenium	1.56	J	mg/kg dry	1.57	0.338	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	3.14	0.491	1	"	"	"	"	"
7440-62-2	Vanadium	22.3		mg/kg dry	1.57	0.776	1	"	"	"	"	"
7440-66-6	Zinc	88.9		mg/kg dry	1.05	0.382	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	90.8		%			1	SM2540 G Mod.	18-Sep-07	18-Sep-07	7091063	BD
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	0.973	0.613	1	10-204-00-1-A / SW846 9012A / EPA 335.4	19-Sep-07	19-Sep-07	7091194	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-23a (20-22) SA68202-02	5762901	Soil	14-Sep-07 11:45	15-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	TCLP Extraction	Completed		N/A			1	SW846 1311	18-Sep-07	18-Sep-07	7091130	BD
	VOC Extraction	Lab extracted		N/A			1	VOC Soil Extraction	17-Sep-07	17-Sep-07	7091044	DG
TCLP Volatile Organic Compounds by 8260B (TCL)												
Prepared by method SW846 5030 Water MS												
71-43-2	Benzene	BRL	U	µg/l	5.0	2.8	5	SW846 1311/8260B	19-Sep-07	20-Sep-07	7091193	adu
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	50.0	12.2	5	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	5.0	2.9	5	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	5.0	2.6	5	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	5.0	4.0	5	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	5.0	2.1	5	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	5.0	3.0	5	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	5.0	2.6	5	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	5.0	3.2	5	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	5.0	2.3	5	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	5.0	4.3	5	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*100*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*104*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*98*		*70-130 %*				"	"	"	"	"
Volatile Organic Compounds										**SA68202-02RE1**		
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	6.8	2.8	1	SW 846 8260B	19-Sep-07	20-Sep-07	7091267	jro
67-64-1	Acetone	BRL	U	µg/kg dry	67.8	59.5	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.8	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	6.8	0.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	67.8	4.8	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	33.9	0.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.8	0.7	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.8	0.9	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	13.6	1.5	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.8	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.8	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.8	1.6	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.8	0.7	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.8	0.9	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.8	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.8	0.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.8	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.8	0.7	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.8	0.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.8	0.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	67.8	0.7	1	"	"	"	"	"
75-09-2	Methylene chloride	4.4	O01, J	µg/kg dry	67.8	3.3	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.8	1.1	1	"	"	"	"	"
127-18-4	Tetrachloroethene	4.2	J	µg/kg dry	6.8	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.8	1.1	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.8	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.8	0.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.8	0.7	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-23a (20-22)	5762901	Soil	14-Sep-07 11:45	15-Sep-07
SA68202-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds										SA68202-02RE1		
Prepared by method SW846 5035A Soil (low level)												
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.8	0.7	1	SW 846 8260B	19-Sep-07	20-Sep-07	7091267	jro
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.8	0.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	13.6	1.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.8	1.2	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*103*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*123*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*108*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
319-84-6	alpha-BHC	BRL	U	µg/kg dry	17.3	0.275	1	SW846 8081A	18-Sep-07	18-Sep-07	7091050	RP
319-85-7	beta-BHC	BRL	U	µg/kg dry	17.3	2.81	1	"	"	"	"	"
319-86-8	delta-BHC	BRL	U	µg/kg dry	17.3	0.214	1	"	"	"	"	"
58-89-9	gamma-BHC (Lindane)	BRL	U	µg/kg dry	17.3	0.194	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	17.3	0.465	1	"	"	"	"	"
309-00-2	Aldrin	BRL	U	µg/kg dry	17.3	0.145	1	"	"	"	"	"
1024-57-3	Heptachlor epoxide	BRL	U	µg/kg dry	17.3	0.262	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	17.3	0.706	1	"	"	"	"	"
60-57-1	Dieldrin	BRL	U	µg/kg dry	17.3	0.261	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	17.3	0.400	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	17.3	0.589	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	17.3	0.621	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	17.3	0.402	1	"	"	"	"	"
1031-07-8	Endosulfan sulfate	BRL	U	µg/kg dry	17.3	0.450	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	17.3	0.368	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	17.3	0.176	1	"	"	"	"	"
53494-70-5	Endrin ketone	BRL	U	µg/kg dry	17.3	1.16	1	"	"	"	"	"
7421-93-4	Endrin aldehyde	BRL	U	µg/kg dry	17.3	0.185	1	"	"	"	"	"
5103-71-9	alpha-Chlordane	BRL	U	µg/kg dry	17.3	2.62	1	"	"	"	"	"
5103-74-2	gamma-Chlordane	BRL	U	µg/kg dry	17.3	0.652	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/kg dry	86.3	2.02	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	86.3	0.962	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*56*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*82*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	34.3	2.16	1	SW846 8082	18-Sep-07	19-Sep-07	7091049	SM
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	34.3	2.16	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	34.3	5.04	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	34.3	4.32	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	34.3	5.15	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	34.3	1.56	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	34.3	1.80	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	34.3	0.288	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	34.3	0.138	1	"	"	"	"	"
Surrogate recoveries:												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-23a (20-22) SA68202-02	5762901	Soil	14-Sep-07 11:45	15-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*		*30-150 %*				SW846 8082	18-Sep-07	19-Sep-07	7091049	SM
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	SW846 8151A	17-Sep-07	18-Sep-07	7090826	MAL
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	"	"	"	"	"
94-82-6	2,4-DB	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
75-99-0	Dalapon	BRL	U	µg/kg dry	6.70	1.00	1	"	"	"	"	"
1918-00-9	Dicamba	BRL	U	µg/kg dry	6.70	1.00	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL	U	µg/kg dry	6.70	1.20	1	"	"	"	"	"
88-85-7	Dinoseb	BRL	U	µg/kg dry	6.70	0.700	1	"	"	"	"	"
94-74-6	MCPA	BRL	U	µg/kg dry	670	126	1	"	"	"	"	"
94-81-5	MCPB	BRL	U	µg/kg dry	670	88.8	1	"	"	"	"	"
93-65-2	MCPP	BRL	U	µg/kg dry	670	116	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*74*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	260	6.30	1	SW846 8270C	18-Sep-07	19-Sep-07	7091048	M.B
208-96-8	Acenaphthylene	BRL		µg/kg dry	260	7.87	1	"	"	"	"	"
62-53-3	Aniline	BRL		µg/kg dry	260	20.0	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/kg dry	260	7.87	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	260	16.8	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	260	8.89	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	260	34.6	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	260	7.32	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	260	10.5	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL		µg/kg dry	260	4.72	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	260	49.9	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	260	29.9	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	260	9.45	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL		µg/kg dry	260	25.2	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL		µg/kg dry	260	5.25	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/kg dry	260	3.70	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	260	4.17	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL		µg/kg dry	260	3.15	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	260	18.9	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	260	6.85	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/kg dry	260	8.42	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	260	7.32	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	260	6.85	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	260	16.3	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	260	6.30	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	260	12.6	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/kg dry	260	6.30	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	260	6.30	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	260	19.4	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-23a (20-22) SA68202-02	5762901	Soil	14-Sep-07 11:45	15-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3545A												
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	260	12.0	1	SW846 8270C	18-Sep-07	19-Sep-07	7091048	M.B
78-59-1	Isophorone	BRL		µg/kg dry	260	15.7	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	260	5.75	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/kg dry	260	11.0	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/kg dry	260	6.30	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	260	10.0	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL		µg/kg dry	260	3.15	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL		µg/kg dry	260	8.89	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL		µg/kg dry	260	9.45	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/kg dry	260	12.0	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1040	13.6	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL		µg/kg dry	1040	16.8	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/kg dry	260	12.0	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/kg dry	260	5.25	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/kg dry	260	18.4	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	260	5.25	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*57*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*59*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*59*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*58*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*53*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*65*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.47	0.343	1	SW846 6010B	18-Sep-07	19-Sep-07	7091089	SA
7429-90-5	Aluminum	4,430		mg/kg dry	1.96	1.23	1	"	"	"	"	"
7440-38-2	Arsenic	1.66		mg/kg dry	1.47	0.226	1	"	"	"	"	"
7440-39-3	Barium	32.0		mg/kg dry	0.981	0.165	1	"	"	"	"	"
7440-41-7	Beryllium	0.226	J	mg/kg dry	0.490	0.109	1	"	"	"	"	"
7440-70-2	Calcium	5,530		mg/kg dry	24.5	3.93	1	"	"	"	"	"
7440-43-9	Cadmium	0.206	J	mg/kg dry	0.490	0.0167	1	"	"	"	"	"
7440-48-4	Cobalt	5.31		mg/kg dry	0.981	0.0422	1	"	"	"	"	"
7440-47-3	Chromium	11.6		mg/kg dry	0.981	0.283	1	"	"	"	"	"
7440-50-8	Copper	8.40		mg/kg dry	0.981	0.190	1	"	"	"	"	"
7439-89-6	Iron	8,610		mg/kg dry	1.96	0.493	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/kg dry	0.0324	0.0077	1	SW846 7471A	"	20-Sep-07	7091090	YP
7440-09-7	Potassium	1,260		mg/kg dry	49.0	17.2	1	SW846 6010B	"	19-Sep-07	7091089	SA
7439-95-4	Magnesium	5,790		mg/kg dry	4.90	0.145	1	"	"	"	"	"
7439-96-5	Manganese	216		mg/kg dry	0.981	0.275	1	"	"	"	"	"
7440-23-5	Sodium	166		mg/kg dry	24.5	5.70	1	"	"	"	"	"
7440-02-0	Nickel	34.9		mg/kg dry	0.981	0.0961	1	"	"	"	"	"
7439-92-1	Lead	6.12		mg/kg dry	1.47	0.153	1	"	"	"	"	"
7440-36-0	Antimony	BRL	U	mg/kg dry	2.94	0.358	1	"	"	"	"	"
7782-49-2	Selenium	0.937	J	mg/kg dry	1.47	0.317	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	2.94	0.460	1	"	"	"	"	"
7440-62-2	Vanadium	16.4		mg/kg dry	1.47	0.728	1	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-23a (20-22) SA68202-02	5762901	Soil	14-Sep-07 11:45	15-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-66-6	Zinc	21.9		mg/kg dry	0.981	0.358	1	SW846 6010B	18-Sep-07	19-Sep-07	7091089	SA
General Chemistry Parameters												
	% Solids	92.5		%			1	SM2540 G Mod.	18-Sep-07	18-Sep-07	7091063	BD
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	0.994	0.626	1	10-204-00-1-A / SW846 9012A / EPA 335.4	19-Sep-07	19-Sep-07	7091194	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-23a-WC	5762901	Soil	14-Sep-07 12:00	15-Sep-07
SA68202-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	TCLP Extraction	Completed		N/A			1	SW846 1311	18-Sep-07	18-Sep-07	7091130	BD
TCLP Volatile Organic Compounds by 8260B (TCL)												
Prepared by method SW846 5030 Water MS												
71-43-2	Benzene	BRL	U	µg/l	5.0	2.8	5	SW846 1311/8260B	19-Sep-07	20-Sep-07	7091193	adu
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	50.0	12.2	5	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	5.0	2.9	5	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	5.0	2.6	5	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	5.0	4.0	5	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	5.0	2.1	5	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	5.0	3.0	5	"	"	"	"	"
127-18-4	Tetrachloroethene	3.4	J	µg/l	5.0	2.6	5	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	5.0	3.2	5	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	5.0	2.3	5	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	5.0	4.3	5	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*102*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*107*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*100*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
	TCLP Extraction	Completed		N/A			1	SW846 1311	18-Sep-07	18-Sep-07	7091129	BD
TCLP Pesticides by SW846 1311/8081A												
Prepared by method SW846 3535												
57-74-9	Chlordane	BRL	U	µg/l	0.400	0.064	1	SW846 1311/8081A	19-Sep-07	19-Sep-07	7091186	RP
72-20-8	Endrin	BRL	U	µg/l	0.080	0.040	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/l	0.080	0.032	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/l	0.080	0.012	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/l	0.400	0.128	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
60-57-1	Dieldrin	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*40*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*58*		*30-150 %*				"	"	"	"	"
TCLP Herbicides by SW846 1311/8151A												
Prepared by method SW846 3535												
94-75-7	2,4-D	BRL	U	µg/l	0.100	0.0190	1	SW846 1311/8151A	19-Sep-07	20-Sep-07	7091184	MAL
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/l	0.100	0.0170	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*48*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
	TCLP Extraction	Completed		N/A			1	SW846 1311	18-Sep-07	18-Sep-07	7091129	BD
TCLP Semivolatiles by SW846 1311/8270C (TCL)												
Prepared by method SW846 3535												
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	5.00	0.220	1	SW846 1311/8270C	19-Sep-07	19-Sep-07	7091187	M.B

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-23a-WC SA68202-03	5762901	Soil	14-Sep-07 12:00	15-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
TCLP Semivolatiles by SW846 1311/8270C (TCL)												
Prepared by method SW846 3535												
121-14-2	2,4-Dinitrotoluene	BRL	U	µg/l	5.00	0.210	1	SW846 1311/8270C	19-Sep-07	19-Sep-07	7091187	M.B
118-74-1	Hexachlorobenzene	BRL	U	µg/l	5.00	0.370	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	5.00	0.560	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL	U	µg/l	5.00	0.510	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.00	0.210	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	10.0	0.240	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	5.00	0.180	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	5.00	0.320	1	"	"	"	"	"
110-86-1	Pyridine	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*76*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*71*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*76*		*30-130 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*71*		*30-130 %*				"	"	"	"	"
TCLP Metals by EPA 1311 & 6000/7000 Series Methods												
	TCLP Extraction	Completed		N/A			1	SW846 1311	18-Sep-07	18-Sep-07	7091126	BD
7440-22-4	Silver	BRL	U	mg/l	0.0100	0.0040	1	SW846 1311/6010B	19-Sep-07	20-Sep-07	7091200	SA
7440-38-2	Arsenic	0.0072	J	mg/l	0.0080	0.0050	1	"	"	"	"	"
7440-39-3	Barium	0.463		mg/l	0.0100	0.0040	1	"	"	"	"	"
7440-43-9	Cadmium	0.0010	J	mg/l	0.0050	0.0003	1	"	"	"	"	"
7440-47-3	Chromium	0.0079	J	mg/l	0.0100	0.0050	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/l	0.00060	0.00008	1	SW846 1311/7470A	"	20-Sep-07	7091202	YP
7439-92-1	Lead	0.341		mg/l	0.0150	0.0050	1	SW846 1311/6010B	"	20-Sep-07	7091200	SA
7782-49-2	Selenium	BRL	U	mg/l	0.0300	0.0100	1	"	"	"	"	"
Toxicity Characteristics												
	Ignitability by Definition	Negative		N/A			1	SW846 1030	18-Sep-07	18-Sep-07	7091062	BD
	pH	8.87	pHHT	pH Units			1	SW846 9045C	17-Sep-07 14:06	17-Sep-07	7091014	DG
General Chemistry Parameters												
	% Solids	89.2		%			1	SM2540 G Mod.	18-Sep-07	18-Sep-07	7091063	BD
Reactivity Cyanide/Sulfide												
Prepared by method General Preparation												
	Reactivity	Negative		mg/l			1	SW846 Ch. 7.3	18-Sep-07	18-Sep-07	7091121	DN
	Reactive Cyanide	BRL	U	mg/l	25.0	2.50	1	"	"	"	"	"
	Reactive Sulfide	BRL	U	mg/l	49.9	4.99	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup-2 SA68202-04	5762901	Soil	14-Sep-07 00:00	15-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A			1	VOC Soil Extraction	17-Sep-07	17-Sep-07	7091044	DG
Volatile Organic Compounds										SA68202-04RE1		
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	6.9	2.8	1	SW 846 8260B	19-Sep-07	20-Sep-07	7091267	jro
67-64-1	Acetone	BRL	U	µg/kg dry	68.5	60.1	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.9	0.8	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	6.9	0.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	68.5	4.9	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	34.3	0.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.9	0.7	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.9	0.9	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	13.7	1.5	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.9	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.9	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.9	1.6	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.9	0.7	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.9	1.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.9	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.9	0.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.9	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.9	0.7	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.9	0.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.9	0.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	68.5	0.8	1	"	"	"	"	"
75-09-2	Methylene chloride	9.2	O01, J	µg/kg dry	68.5	3.3	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.9	1.1	1	"	"	"	"	"
127-18-4	Tetrachloroethene	6.3	J	µg/kg dry	6.9	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.9	1.1	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.9	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.9	0.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.9	0.8	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.9	0.7	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.9	0.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	13.7	1.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.9	1.2	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*95*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*98*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*116*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
319-84-6	alpha-BHC	BRL	U	µg/kg dry	16.3	0.261	1	SW846 8081A	18-Sep-07	18-Sep-07	7091050	RP
319-85-7	beta-BHC	BRL	U	µg/kg dry	16.3	2.66	1	"	"	"	"	"
319-86-8	delta-BHC	BRL	U	µg/kg dry	16.3	0.202	1	"	"	"	"	"
58-89-9	gamma-BHC (Lindane)	BRL	U	µg/kg dry	16.3	0.184	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	16.3	0.440	1	"	"	"	"	"
309-00-2	Aldrin	BRL	U	µg/kg dry	16.3	0.137	1	"	"	"	"	"
1024-57-3	Heptachlor epoxide	BRL	U	µg/kg dry	16.3	0.248	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	16.3	0.669	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup-2 SA68202-04	5762901	Soil	14-Sep-07 00:00	15-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	16.3	0.247	1	SW846 8081A	18-Sep-07	18-Sep-07	7091050	RP
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	16.3	0.378	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	16.3	0.558	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	16.3	0.588	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	16.3	0.381	1	"	"	"	"	"
1031-07-8	Endosulfan sulfate	BRL	U	µg/kg dry	16.3	0.426	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	16.3	0.349	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	16.3	0.167	1	"	"	"	"	"
53494-70-5	Endrin ketone	BRL	U	µg/kg dry	16.3	1.10	1	"	"	"	"	"
7421-93-4	Endrin aldehyde	BRL	U	µg/kg dry	16.3	0.175	1	"	"	"	"	"
5103-71-9	alpha-Chlordane	BRL	U	µg/kg dry	16.3	2.48	1	"	"	"	"	"
5103-74-2	gamma-Chlordane	BRL	U	µg/kg dry	16.3	0.617	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/kg dry	81.7	1.91	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	81.7	0.911	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*58*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*76*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	31.1	1.96	1	SW846 8082	18-Sep-07	19-Sep-07	7091049	SM
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	31.1	1.96	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	31.1	4.57	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	31.1	3.91	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	31.1	4.67	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	31.1	1.41	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	31.1	1.63	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	31.1	0.261	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	31.1	0.125	1	"	"	"	"	"
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*		*30-150 %*				"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	SW846 8151A	17-Sep-07	18-Sep-07	7090826	MAL
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	"	"	"	"	"
94-82-6	2,4-DB	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
75-99-0	Dalapon	BRL	U	µg/kg dry	6.70	1.00	1	"	"	"	"	"
1918-00-9	Dicamba	BRL	U	µg/kg dry	6.70	1.00	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL	U	µg/kg dry	6.70	1.20	1	"	"	"	"	"
88-85-7	Dinoseb	BRL	U	µg/kg dry	6.70	0.700	1	"	"	"	"	"
94-74-6	MCPA	BRL	U	µg/kg dry	670	126	1	"	"	"	"	"
94-81-5	MCPB	BRL	U	µg/kg dry	670	88.8	1	"	"	"	"	"
93-65-2	MCPP	BRL	U	µg/kg dry	670	116	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*73*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3545A												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup-2 SA68202-04	5762901	Soil	14-Sep-07 00:00	15-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL		µg/kg dry	264	6.40	1	SW846 8270C	18-Sep-07	19-Sep-07	7091048	M.B
208-96-8	Acenaphthylene	BRL		µg/kg dry	264	8.01	1	"	"	"	"	"
62-53-3	Aniline	BRL		µg/kg dry	264	20.3	1	"	"	"	"	"
120-12-7	Anthracene	BRL		µg/kg dry	264	8.01	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL		µg/kg dry	264	17.1	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL		µg/kg dry	264	9.05	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL		µg/kg dry	264	35.2	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL		µg/kg dry	264	7.45	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL		µg/kg dry	264	10.6	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL		µg/kg dry	264	4.80	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	264	50.8	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL		µg/kg dry	264	30.4	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL		µg/kg dry	264	9.61	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL		µg/kg dry	264	25.6	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL		µg/kg dry	264	5.34	1	"	"	"	"	"
218-01-9	Chrysene	BRL		µg/kg dry	264	3.76	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL		µg/kg dry	264	4.24	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL		µg/kg dry	264	3.20	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL		µg/kg dry	264	19.2	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL		µg/kg dry	264	6.97	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL		µg/kg dry	264	8.57	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL		µg/kg dry	264	7.45	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL		µg/kg dry	264	6.97	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL		µg/kg dry	264	16.6	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL		µg/kg dry	264	6.40	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL		µg/kg dry	264	12.8	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL		µg/kg dry	264	6.40	1	"	"	"	"	"
86-73-7	Fluorene	BRL		µg/kg dry	264	6.40	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL		µg/kg dry	264	19.8	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	264	12.2	1	"	"	"	"	"
78-59-1	Isophorone	BRL		µg/kg dry	264	16.0	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL		µg/kg dry	264	5.84	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL		µg/kg dry	264	11.2	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL		µg/kg dry	264	6.40	1	"	"	"	"	"
91-20-3	Naphthalene	BRL		µg/kg dry	264	10.2	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL		µg/kg dry	264	3.20	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL		µg/kg dry	264	9.05	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL		µg/kg dry	264	9.61	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL		µg/kg dry	264	12.2	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL		µg/kg dry	1060	13.9	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL		µg/kg dry	1060	17.1	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL		µg/kg dry	264	12.2	1	"	"	"	"	"
108-95-2	Phenol	BRL		µg/kg dry	264	5.34	1	"	"	"	"	"
129-00-0	Pyrene	BRL		µg/kg dry	264	18.7	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL		µg/kg dry	264	5.34	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*56*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*56*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*57*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*55*		*15-110 %*				"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup-2 SA68202-04	5762901	Soil	14-Sep-07 00:00	15-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3545A												
1718-51-0	*Terphenyl-dl4*	*52*		*30-130 %*				SW846 8270C	18-Sep-07	19-Sep-07	7091048	M.B
118-79-6	*2,4,6-Tribromophenol*	*61*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.49	0.348	1	SW846 6010B	18-Sep-07	19-Sep-07	7091089	SA
7429-90-5	Aluminum	5,710		mg/kg dry	1.99	1.24	1	"	"	"	"	"
7440-38-2	Arsenic	1.43	J	mg/kg dry	1.49	0.229	1	"	"	"	"	"
7440-39-3	Barium	35.1		mg/kg dry	0.994	0.167	1	"	"	"	"	"
7440-41-7	Beryllium	0.328	J	mg/kg dry	0.497	0.110	1	"	"	"	"	"
7440-70-2	Calcium	5,710		mg/kg dry	24.8	3.98	1	"	"	"	"	"
7440-43-9	Cadmium	0.318	J	mg/kg dry	0.497	0.0169	1	"	"	"	"	"
7440-48-4	Cobalt	7.63		mg/kg dry	0.994	0.0427	1	"	"	"	"	"
7440-47-3	Chromium	19.9		mg/kg dry	0.994	0.287	1	"	"	"	"	"
7440-50-8	Copper	14.3		mg/kg dry	0.994	0.193	1	"	"	"	"	"
7439-89-6	Iron	11,400		mg/kg dry	1.99	0.500	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/kg dry	0.0319	0.0076	1	SW846 7471A	"	20-Sep-07	7091090	YP
7440-09-7	Potassium	1,040		mg/kg dry	49.7	17.4	1	SW846 6010B	"	19-Sep-07	7091089	SA
7439-95-4	Magnesium	12,600		mg/kg dry	4.97	0.147	1	"	"	"	"	"
7439-96-5	Manganese	312		mg/kg dry	0.994	0.278	1	"	"	"	"	"
7440-23-5	Sodium	238		mg/kg dry	24.8	5.77	1	"	"	"	"	"
7440-02-0	Nickel	82.6		mg/kg dry	0.994	0.0974	1	"	"	"	"	"
7439-92-1	Lead	5.62		mg/kg dry	1.49	0.155	1	"	"	"	"	"
7440-36-0	Antimony	BRL	U	mg/kg dry	2.98	0.363	1	"	"	"	"	"
7782-49-2	Selenium	1.23	J	mg/kg dry	1.49	0.321	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	2.98	0.466	1	"	"	"	"	"
7440-62-2	Vanadium	17.5		mg/kg dry	1.49	0.737	1	"	"	"	"	"
7440-66-6	Zinc	34.7		mg/kg dry	0.994	0.363	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	91.8		%			1	SM2540 G Mod.	18-Sep-07	18-Sep-07	7091063	BD
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	0.999	0.629	1	10-204-00-1-A / SW846 9012A / EPA 335.4	19-Sep-07	19-Sep-07	7091194	rth

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091163 - SW846 5030 Soil (high level)										
Blank (7091163-BLK1)										
Prepared & Analyzed: 19-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/kg wet	1.0						
Acetone	BRL	U	µg/kg wet	10.0						
Acrylonitrile	BRL	U	µg/kg wet	1.0						
Benzene	BRL	U	µg/kg wet	1.0						
Bromobenzene	BRL	U	µg/kg wet	1.0						
Bromochloromethane	BRL	U	µg/kg wet	1.0						
Bromodichloromethane	BRL	U	µg/kg wet	1.0						
Bromoform	BRL	U	µg/kg wet	1.0						
Bromomethane	BRL	U	µg/kg wet	2.0						
2-Butanone (MEK)	BRL	U	µg/kg wet	10.0						
n-Butylbenzene	BRL	U	µg/kg wet	1.0						
sec-Butylbenzene	BRL	U	µg/kg wet	1.0						
tert-Butylbenzene	BRL	U	µg/kg wet	1.0						
Carbon disulfide	BRL	U	µg/kg wet	5.0						
Carbon tetrachloride	BRL	U	µg/kg wet	1.0						
Chlorobenzene	BRL	U	µg/kg wet	1.0						
Chloroethane	BRL	U	µg/kg wet	2.0						
Chloroform	BRL	U	µg/kg wet	1.0						
Chloromethane	BRL	U	µg/kg wet	2.0						
2-Chlorotoluene	BRL	U	µg/kg wet	1.0						
4-Chlorotoluene	BRL	U	µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/kg wet	2.0						
Dibromochloromethane	BRL	U	µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/kg wet	1.0						
Dibromomethane	BRL	U	µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/kg wet	2.0						
1,1-Dichloroethane	BRL	U	µg/kg wet	1.0						
1,2-Dichloroethane	BRL	U	µg/kg wet	1.0						
1,1-Dichloroethene	BRL	U	µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/kg wet	1.0						
1,2-Dichloropropane	BRL	U	µg/kg wet	1.0						
1,3-Dichloropropane	BRL	U	µg/kg wet	1.0						
2,2-Dichloropropane	BRL	U	µg/kg wet	1.0						
1,1-Dichloropropene	BRL	U	µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL	U	µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL	U	µg/kg wet	1.0						
Ethylbenzene	BRL	U	µg/kg wet	1.0						
Hexachlorobutadiene	BRL	U	µg/kg wet	1.0						
2-Hexanone (MBK)	BRL	U	µg/kg wet	10.0						
Isopropylbenzene	BRL	U	µg/kg wet	1.0						
4-Isopropyltoluene	BRL	U	µg/kg wet	1.0						
Methyl tert-butyl ether	BRL	U	µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg wet	10.0						
Methylene chloride	BRL	U	µg/kg wet	10.0						
Naphthalene	BRL	U	µg/kg wet	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091163 - SW846 5030 Soil (high level)										
Blank (7091163-BLK1)										
Prepared & Analyzed: 19-Sep-07										
n-Propylbenzene	BRL	U	µg/kg wet	1.0						
Styrene	BRL	U	µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/kg wet	1.0						
Tetrachloroethene	BRL	U	µg/kg wet	1.0						
Toluene	BRL	U	µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL	U	µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL	U	µg/kg wet	1.0						
Trichloroethene	BRL	U	µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL	U	µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/kg wet	1.0						
Vinyl chloride	BRL	U	µg/kg wet	1.0						
m,p-Xylene	BRL	U	µg/kg wet	2.0						
o-Xylene	BRL	U	µg/kg wet	1.0						
Tetrahydrofuran	5.4	J	µg/kg wet	10.0						
Ethyl ether	BRL	U	µg/kg wet	1.0						
Tert-amyl methyl ether	BRL	U	µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL	U	µg/kg wet	1.0						
Di-isopropyl ether	BRL	U	µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/kg wet	10.0						
1,4-Dioxane	BRL	U	µg/kg wet	20.0						
Surrogate: 4-Bromofluorobenzene	*31.0*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*30.6*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
LCS (7091163-BS1)										
Prepared & Analyzed: 19-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	28.6	QC2	µg/kg wet		20.0		143	70-130		
Acetone	20.5		µg/kg wet		20.0		102	0-177		
Acrylonitrile	23.4		µg/kg wet		20.0		117	70-130		
Benzene	20.7		µg/kg wet		20.0		104	70-130		
Bromobenzene	22.6		µg/kg wet		20.0		113	70-130		
Bromochloromethane	22.8		µg/kg wet		20.0		114	70-130		
Bromodichloromethane	20.9		µg/kg wet		20.0		104	70-130		
Bromoform	21.5		µg/kg wet		20.0		107	70-130		
Bromomethane	22.2		µg/kg wet		20.0		111	61.3-136		
2-Butanone (MEK)	17.0		µg/kg wet		20.0		85	20.6-137		
n-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130		
sec-Butylbenzene	23.4		µg/kg wet		20.0		117	70-130		
tert-Butylbenzene	23.6		µg/kg wet		20.0		118	70-130		
Carbon disulfide	22.2		µg/kg wet		20.0		111	70-130		
Carbon tetrachloride	22.9		µg/kg wet		20.0		115	70-130		
Chlorobenzene	22.2		µg/kg wet		20.0		111	70-130		
Chloroethane	22.3		µg/kg wet		20.0		111	64.6-134		
Chloroform	21.8		µg/kg wet		20.0		109	70-130		
Chloromethane	20.9		µg/kg wet		20.0		105	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091163 - SW846 5030 Soil (high level)										
LCS (7091163-BS1)										
Prepared & Analyzed: 19-Sep-07										
2-Chlorotoluene	21.8		µg/kg wet		20.0		109	70-130		
4-Chlorotoluene	22.6		µg/kg wet		20.0		113	70-130		
1,2-Dibromo-3-chloropropane	18.0		µg/kg wet		20.0		90	70-130		
Dibromochloromethane	19.7		µg/kg wet		20.0		99	70-137		
1,2-Dibromoethane (EDB)	21.2		µg/kg wet		20.0		106	70-130		
Dibromomethane	21.9		µg/kg wet		20.0		110	70-130		
1,2-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130		
1,3-Dichlorobenzene	22.9		µg/kg wet		20.0		115	70-130		
1,4-Dichlorobenzene	19.9		µg/kg wet		20.0		99	70-130		
Dichlorodifluoromethane (Freon12)	23.8		µg/kg wet		20.0		119	29.9-190		
1,1-Dichloroethane	21.6		µg/kg wet		20.0		108	70-130		
1,2-Dichloroethane	21.3		µg/kg wet		20.0		106	70-130		
1,1-Dichloroethene	24.4		µg/kg wet		20.0		122	70-130		
cis-1,2-Dichloroethene	21.9		µg/kg wet		20.0		109	70-130		
trans-1,2-Dichloroethene	21.7		µg/kg wet		20.0		108	70-130		
1,2-Dichloropropane	20.2		µg/kg wet		20.0		101	70-130		
1,3-Dichloropropane	21.3		µg/kg wet		20.0		107	70-130		
2,2-Dichloropropane	26.8	QC1	µg/kg wet		20.0		134	70-130		
1,1-Dichloropropene	21.8		µg/kg wet		20.0		109	70-130		
cis-1,3-Dichloropropene	21.3		µg/kg wet		20.0		106	70-130		
trans-1,3-Dichloropropene	21.3		µg/kg wet		20.0		106	70-130		
Ethylbenzene	22.1		µg/kg wet		20.0		110	70-130		
Hexachlorobutadiene	21.8		µg/kg wet		20.0		109	60.6-135		
2-Hexanone (MBK)	16.6		µg/kg wet		20.0		83	70-130		
Isopropylbenzene	21.5		µg/kg wet		20.0		108	70-130		
4-Isopropyltoluene	22.7		µg/kg wet		20.0		114	70-130		
Methyl tert-butyl ether	21.0		µg/kg wet		20.0		105	70-130		
4-Methyl-2-pentanone (MIBK)	19.4		µg/kg wet		20.0		97	46-139		
Methylene chloride	22.2		µg/kg wet		20.0		111	70-130		
Naphthalene	16.4		µg/kg wet		20.0		82	70-130		
n-Propylbenzene	22.9		µg/kg wet		20.0		114	70-130		
Styrene	22.4		µg/kg wet		20.0		112	70-130		
1,1,1,2-Tetrachloroethane	21.3		µg/kg wet		20.0		106	70-130		
1,1,2,2-Tetrachloroethane	21.3		µg/kg wet		20.0		107	70-130		
Tetrachloroethene	22.6		µg/kg wet		20.0		113	70-130		
Toluene	21.4		µg/kg wet		20.0		107	70-130		
1,2,3-Trichlorobenzene	18.1		µg/kg wet		20.0		90	70-130		
1,2,4-Trichlorobenzene	16.6		µg/kg wet		20.0		83	70-130		
1,1,1-Trichloroethane	22.4		µg/kg wet		20.0		112	70-130		
1,1,2-Trichloroethane	21.2		µg/kg wet		20.0		106	70-130		
Trichloroethene	21.0		µg/kg wet		20.0		105	70-130		
Trichlorofluoromethane (Freon 11)	23.4		µg/kg wet		20.0		117	56.6-150		
1,2,3-Trichloropropane	24.7		µg/kg wet		20.0		123	70-130		
1,2,4-Trimethylbenzene	24.2		µg/kg wet		20.0		121	70-130		
1,3,5-Trimethylbenzene	23.3		µg/kg wet		20.0		117	70-130		
Vinyl chloride	28.5	QC1	µg/kg wet		20.0		142	70-130		
m,p-Xylene	44.6		µg/kg wet		40.0		112	70-130		
o-Xylene	22.4		µg/kg wet		20.0		112	70-130		
Tetrahydrofuran	19.6		µg/kg wet		20.0		98	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091163 - SW846 5030 Soil (high level)										
LCS (7091163-BS1)										
Prepared & Analyzed: 19-Sep-07										
Ethyl ether	23.5		µg/kg wet		20.0		117	64.1-136		
Tert-amyl methyl ether	20.1		µg/kg wet		20.0		100	70-130		
Ethyl tert-butyl ether	21.0		µg/kg wet		20.0		105	70-130		
Di-isopropyl ether	19.3		µg/kg wet		20.0		96	70-130		
Tert-Butanol / butyl alcohol	263	QC1	µg/kg wet		200		132	70-130		
1,4-Dioxane	191		µg/kg wet		200		95	34.8-156		
Surrogate: 4-Bromofluorobenzene	*32.5*		µg/kg wet		*30.0*		*108*	*70-130*		
Surrogate: Toluene-d8	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.4*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: Dibromofluoromethane	*30.6*		µg/kg wet		*30.0*		*102*	*70-130*		
LCS Dup (7091163-BSD1)										
Prepared & Analyzed: 19-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	26.6	QC2	µg/kg wet		20.0		133	70-130	7	25
Acetone	18.9		µg/kg wet		20.0		94	0-177	8	50
Acrylonitrile	20.5		µg/kg wet		20.0		103	70-130	13	25
Benzene	20.5		µg/kg wet		20.0		102	70-130	1	25
Bromobenzene	21.6		µg/kg wet		20.0		108	70-130	5	25
Bromochloromethane	21.8		µg/kg wet		20.0		109	70-130	5	25
Bromodichloromethane	20.3		µg/kg wet		20.0		102	70-130	3	25
Bromoform	20.7		µg/kg wet		20.0		104	70-130	4	25
Bromomethane	21.3		µg/kg wet		20.0		107	61.3-136	4	50
2-Butanone (MEK)	16.6		µg/kg wet		20.0		83	20.6-137	2	50
n-Butylbenzene	17.6		µg/kg wet		20.0		88	70-130	15	25
sec-Butylbenzene	20.0		µg/kg wet		20.0		100	70-130	16	25
tert-Butylbenzene	20.9		µg/kg wet		20.0		105	70-130	12	25
Carbon disulfide	21.6		µg/kg wet		20.0		108	70-130	3	25
Carbon tetrachloride	21.8		µg/kg wet		20.0		109	70-130	5	25
Chlorobenzene	21.7		µg/kg wet		20.0		108	70-130	2	25
Chloroethane	21.5		µg/kg wet		20.0		108	64.6-134	3	50
Chloroform	20.9		µg/kg wet		20.0		104	70-130	4	25
Chloromethane	20.9		µg/kg wet		20.0		104	70-130	0.3	25
2-Chlorotoluene	20.9		µg/kg wet		20.0		104	70-130	4	25
4-Chlorotoluene	21.2		µg/kg wet		20.0		106	70-130	6	25
1,2-Dibromo-3-chloropropane	17.2		µg/kg wet		20.0		86	70-130	5	25
Dibromochloromethane	19.1		µg/kg wet		20.0		96	70-137	3	50
1,2-Dibromoethane (EDB)	19.7		µg/kg wet		20.0		99	70-130	7	25
Dibromomethane	20.6		µg/kg wet		20.0		103	70-130	6	25
1,2-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	2	25
1,3-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130	9	25
1,4-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	2	25
Dichlorodifluoromethane (Freon12)	22.7		µg/kg wet		20.0		113	29.9-190	5	50
1,1-Dichloroethane	21.0		µg/kg wet		20.0		105	70-130	3	25
1,2-Dichloroethane	19.8		µg/kg wet		20.0		99	70-130	7	25
1,1-Dichloroethene	22.5		µg/kg wet		20.0		113	70-130	8	25
cis-1,2-Dichloroethene	20.9		µg/kg wet		20.0		104	70-130	5	25
trans-1,2-Dichloroethene	20.9		µg/kg wet		20.0		104	70-130	4	25
1,2-Dichloropropane	19.7		µg/kg wet		20.0		98	70-130	3	25
1,3-Dichloropropane	20.1		µg/kg wet		20.0		101	70-130	6	25
2,2-Dichloropropane	24.5		µg/kg wet		20.0		122	70-130	9	25
1,1-Dichloropropene	20.8		µg/kg wet		20.0		104	70-130	4	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091163 - SW846 5030 Soil (high level)										
LCS Dup (7091163-BSD1)										
Prepared & Analyzed: 19-Sep-07										
cis-1,3-Dichloropropene	20.1		µg/kg wet		20.0		101	70-130	5	25
trans-1,3-Dichloropropene	20.6		µg/kg wet		20.0		103	70-130	3	25
Ethylbenzene	22.0		µg/kg wet		20.0		110	70-130	0.7	25
Hexachlorobutadiene	12.7	QC1	µg/kg wet		20.0		64	60.6-135	53	50
2-Hexanone (MBK)	16.6		µg/kg wet		20.0		83	70-130	0.1	25
Isopropylbenzene	20.4		µg/kg wet		20.0		102	70-130	5	25
4-Isopropyltoluene	20.9		µg/kg wet		20.0		105	70-130	8	25
Methyl tert-butyl ether	19.4		µg/kg wet		20.0		97	70-130	8	25
4-Methyl-2-pentanone (MIBK)	18.0		µg/kg wet		20.0		90	46-139	8	50
Methylene chloride	20.9		µg/kg wet		20.0		104	70-130	6	25
Naphthalene	12.4	QC1	µg/kg wet		20.0		62	70-130	28	25
n-Propylbenzene	21.0		µg/kg wet		20.0		105	70-130	8	25
Styrene	21.8		µg/kg wet		20.0		109	70-130	3	25
1,1,1,2-Tetrachloroethane	20.9		µg/kg wet		20.0		105	70-130	2	25
1,1,2,2-Tetrachloroethane	19.9		µg/kg wet		20.0		99	70-130	7	25
Tetrachloroethene	21.7		µg/kg wet		20.0		109	70-130	4	25
Toluene	20.1		µg/kg wet		20.0		100	70-130	6	25
1,2,3-Trichlorobenzene	12.7	QC1	µg/kg wet		20.0		64	70-130	35	25
1,2,4-Trichlorobenzene	13.4	QC1	µg/kg wet		20.0		67	70-130	22	25
1,1,1-Trichloroethane	21.5		µg/kg wet		20.0		107	70-130	4	25
1,1,2-Trichloroethane	19.7		µg/kg wet		20.0		98	70-130	7	25
Trichloroethene	20.5		µg/kg wet		20.0		103	70-130	2	25
Trichlorofluoromethane (Freon 11)	22.5		µg/kg wet		20.0		113	56.6-150	4	50
1,2,3-Trichloropropane	22.1		µg/kg wet		20.0		110	70-130	11	25
1,2,4-Trimethylbenzene	21.8		µg/kg wet		20.0		109	70-130	10	25
1,3,5-Trimethylbenzene	21.4		µg/kg wet		20.0		107	70-130	9	25
Vinyl chloride	25.3		µg/kg wet		20.0		126	70-130	12	25
m,p-Xylene	43.8		µg/kg wet		40.0		109	70-130	2	25
o-Xylene	22.1		µg/kg wet		20.0		110	70-130	1	25
Tetrahydrofuran	17.3		µg/kg wet		20.0		86	70-130	13	25
Ethyl ether	20.6		µg/kg wet		20.0		103	64.1-136	13	50
Tert-amyl methyl ether	18.4		µg/kg wet		20.0		92	70-130	9	25
Ethyl tert-butyl ether	20.2		µg/kg wet		20.0		101	70-130	4	25
Di-isopropyl ether	18.8		µg/kg wet		20.0		94	70-130	2	25
Tert-Butanol / butyl alcohol	243		µg/kg wet		200		122	70-130	8	25
1,4-Dioxane	169		µg/kg wet		200		85	34.8-156	12	25
Surrogate: 4-Bromofluorobenzene	*30.6*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.4*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*29.7*		µg/kg wet		*30.0*		*99*	*70-130*		
Matrix Spike (7091163-MS1) **Source: SA68329-08**										
Prepared & Analyzed: 19-Sep-07										
Benzene	21.2		µg/kg dry		20.0	BRL	106	70-130		
Chlorobenzene	23.0		µg/kg dry		20.0	BRL	115	70-130		
1,1-Dichloroethene	21.6		µg/kg dry		20.0	BRL	108	70-130		
Toluene	22.2		µg/kg dry		20.0	BRL	111	70-130		
Trichloroethene	57.6		µg/kg dry		20.0	39.1	92	70-130		
Surrogate: 4-Bromofluorobenzene	*32.3*		µg/kg dry		*30.0*		*108*	*70-130*		
Surrogate: Toluene-d8	*31.0*		µg/kg dry		*30.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.0*		µg/kg dry		*30.0*		*104*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091163 - SW846 5030 Soil (high level)										
Matrix Spike (7091163-MS1) **Source: SA68329-08**										
Prepared & Analyzed: 19-Sep-07										
Surrogate: Dibromofluoromethane	*30.0*		µg/kg dry		*30.0*		*100*	*70-130*		
Matrix Spike Dup (7091163-MSD1) **Source: SA68329-08**										
Prepared & Analyzed: 19-Sep-07										
Benzene	21.4		µg/kg dry		20.0	BRL	107	70-130	1	30
Chlorobenzene	23.2		µg/kg dry		20.0	BRL	116	70-130	0.9	30
1,1-Dichloroethene	24.0		µg/kg dry		20.0	BRL	120	70-130	10	30
Toluene	22.3		µg/kg dry		20.0	BRL	112	70-130	0.7	30
Trichloroethene	57.9		µg/kg dry		20.0	39.1	94	70-130	2	30
Surrogate: 4-Bromofluorobenzene	*32.0*		µg/kg dry		*30.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*30.8*		µg/kg dry		*30.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.0*		µg/kg dry		*30.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*29.2*		µg/kg dry		*30.0*		*97*	*70-130*		
Batch 7091193 - SW846 5030 Water MS										
Blank (7091193-BLK1)										
Prepared & Analyzed: 19-Sep-07										
Benzene	BRL	U	µg/l	1.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroform	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
Surrogate: 4-Bromofluorobenzene	*30.2*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*30.1*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.4*		µg/l		*30.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*29.2*		µg/l		*30.0*		*97*	*70-130*		
LCS (7091193-BS1)										
Prepared & Analyzed: 19-Sep-07										
Benzene	22.0		µg/l		20.0		110	70-130		
2-Butanone (MEK)	15.9		µg/l		20.0		79	70-130		
Carbon tetrachloride	21.3		µg/l		20.0		106	70-130		
Chlorobenzene	23.1		µg/l		20.0		116	70-130		
Chloroform	22.2		µg/l		20.0		111	70-130		
1,2-Dichloroethane	21.0		µg/l		20.0		105	70-130		
1,1-Dichloroethene	24.9		µg/l		20.0		124	70-130		
Tetrachloroethene	22.7		µg/l		20.0		113	70-130		
Trichloroethene	21.9		µg/l		20.0		109	70-130		
Vinyl chloride	26.8	QC2	µg/l		20.0		134	70-130		
Surrogate: 4-Bromofluorobenzene	*31.3*		µg/l		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.1*		µg/l		*30.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*30.1*		µg/l		*30.0*		*100*	*70-130*		
LCS Dup (7091193-BSD1)										
Prepared & Analyzed: 19-Sep-07										
Benzene	22.4		µg/l		20.0		112	70-130	2	30
2-Butanone (MEK)	16.4		µg/l		20.0		82	70-130	4	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091193 - SW846 5030 Water MS										
LCS Dup (7091193-BSD1)										
Prepared & Analyzed: 19-Sep-07										
Carbon tetrachloride	22.0		µg/l		20.0		110	70-130	3	30
Chlorobenzene	23.6		µg/l		20.0		118	70-130	2	30
Chloroform	23.0		µg/l		20.0		115	70-130	3	30
1,2-Dichloroethane	21.5		µg/l		20.0		108	70-130	3	30
1,1-Dichloroethene	25.4		µg/l		20.0		127	70-130	2	30
Tetrachloroethene	23.2		µg/l		20.0		116	70-130	2	30
Trichloroethene	22.2		µg/l		20.0		111	70-130	2	30
Vinyl chloride	27.6	QC2	µg/l		20.0		138	70-130	3	30
Surrogate: 4-Bromofluorobenzene	*30.6*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.6*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*30.0*		µg/l		*30.0*		*100*	*70-130*		
Batch 7091267 - SW846 5035A Soil (low level)										
Blank (7091267-BLK1)										
Prepared & Analyzed: 20-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/kg wet	5.0						
Acetone	BRL	U	µg/kg wet	50.0						
Acrylonitrile	BRL	U	µg/kg wet	5.0						
Benzene	BRL	U	µg/kg wet	5.0						
Bromobenzene	BRL	U	µg/kg wet	5.0						
Bromochloromethane	BRL	U	µg/kg wet	5.0						
Bromodichloromethane	BRL	U	µg/kg wet	5.0						
Bromoform	BRL	U	µg/kg wet	5.0						
Bromomethane	BRL	U	µg/kg wet	10.0						
2-Butanone (MEK)	BRL	U	µg/kg wet	50.0						
n-Butylbenzene	BRL	U	µg/kg wet	5.0						
sec-Butylbenzene	BRL	U	µg/kg wet	5.0						
tert-Butylbenzene	BRL	U	µg/kg wet	5.0						
Carbon disulfide	BRL	U	µg/kg wet	25.0						
Carbon tetrachloride	BRL	U	µg/kg wet	5.0						
Chlorobenzene	BRL	U	µg/kg wet	5.0						
Chloroethane	BRL	U	µg/kg wet	10.0						
Chloroform	BRL	U	µg/kg wet	5.0						
Chloromethane	BRL	U	µg/kg wet	10.0						
2-Chlorotoluene	BRL	U	µg/kg wet	5.0						
4-Chlorotoluene	BRL	U	µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/kg wet	10.0						
Dibromochloromethane	BRL	U	µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/kg wet	5.0						
Dibromomethane	BRL	U	µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/kg wet	10.0						
1,1-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,2-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,1-Dichloroethene	BRL	U	µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091267 - SW846 5035A Soil (low level)										
Blank (7091267-BLK1)										
Prepared & Analyzed: 20-Sep-07										
1,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,3-Dichloropropane	BRL	U	µg/kg wet	5.0						
2,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,1-Dichloropropene	BRL	U	µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
Ethylbenzene	BRL	U	µg/kg wet	5.0						
Hexachlorobutadiene	BRL	U	µg/kg wet	5.0						
2-Hexanone (MBK)	BRL	U	µg/kg wet	50.0						
Isopropylbenzene	BRL	U	µg/kg wet	5.0						
4-Isopropyltoluene	BRL	U	µg/kg wet	5.0						
Methyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg wet	50.0						
Methylene chloride	BRL	U	µg/kg wet	50.0						
Naphthalene	BRL	U	µg/kg wet	5.0						
n-Propylbenzene	BRL	U	µg/kg wet	5.0						
Styrene	BRL	U	µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
Tetrachloroethene	BRL	U	µg/kg wet	5.0						
Toluene	BRL	U	µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL	U	µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL	U	µg/kg wet	5.0						
Trichloroethene	BRL	U	µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL	U	µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
Vinyl chloride	BRL	U	µg/kg wet	5.0						
m,p-Xylene	BRL	U	µg/kg wet	10.0						
o-Xylene	BRL	U	µg/kg wet	5.0						
Tetrahydrofuran	BRL	U	µg/kg wet	50.0						
Ethyl ether	BRL	U	µg/kg wet	5.0						
Tert-amyl methyl ether	BRL	U	µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
Di-isopropyl ether	BRL	U	µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/kg wet	50.0						
1,4-Dioxane	BRL	U	µg/kg wet	100						
Surrogate: 4-Bromofluorobenzene	*50.8*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*61.4*		µg/kg wet		*50.0*		*123*	*70-130*		
Surrogate: Dibromofluoromethane	*53.0*		µg/kg wet		*50.0*		*106*	*70-130*		
LCS (7091267-BS1)										
Prepared & Analyzed: 20-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.9		µg/kg wet		20.0		124	70-130		
Acetone	17.2		µg/kg wet		20.0		86	0-177		
Acrylonitrile	17.9		µg/kg wet		20.0		89	70-130		
Benzene	18.8		µg/kg wet		20.0		94	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091267 - SW846 5035A Soil (low level)										
LCS (7091267-BS1)										
Prepared & Analyzed: 20-Sep-07										
Bromobenzene	21.9		µg/kg wet		20.0		109	70-130		
Bromochloromethane	21.1		µg/kg wet		20.0		105	70-130		
Bromodichloromethane	21.1		µg/kg wet		20.0		106	70-130		
Bromoform	21.6		µg/kg wet		20.0		108	70-130		
Bromomethane	21.6		µg/kg wet		20.0		108	61.3-136		
2-Butanone (MEK)	8.0		µg/kg wet		20.0		40	20.6-137		
n-Butylbenzene	20.7		µg/kg wet		20.0		103	70-130		
sec-Butylbenzene	21.8		µg/kg wet		20.0		109	70-130		
tert-Butylbenzene	22.2		µg/kg wet		20.0		111	70-130		
Carbon disulfide	22.5		µg/kg wet		20.0		113	70-130		
Carbon tetrachloride	22.1		µg/kg wet		20.0		111	70-130		
Chlorobenzene	22.4		µg/kg wet		20.0		112	70-130		
Chloroethane	22.0		µg/kg wet		20.0		110	64.6-134		
Chloroform	21.1		µg/kg wet		20.0		106	70-130		
Chloromethane	23.4		µg/kg wet		20.0		117	70-130		
2-Chlorotoluene	22.0		µg/kg wet		20.0		110	70-130		
4-Chlorotoluene	20.9		µg/kg wet		20.0		105	70-130		
1,2-Dibromo-3-chloropropane	17.5		µg/kg wet		20.0		87	70-130		
Dibromochloromethane	21.4		µg/kg wet		20.0		107	70-137		
1,2-Dibromoethane (EDB)	19.0		µg/kg wet		20.0		95	70-130		
Dibromomethane	20.5		µg/kg wet		20.0		103	70-130		
1,2-Dichlorobenzene	21.8		µg/kg wet		20.0		109	70-130		
1,3-Dichlorobenzene	22.1		µg/kg wet		20.0		111	70-130		
1,4-Dichlorobenzene	21.4		µg/kg wet		20.0		107	70-130		
Dichlorodifluoromethane (Freon12)	30.5		µg/kg wet		20.0		153	29.9-190		
1,1-Dichloroethane	21.3		µg/kg wet		20.0		106	70-130		
1,2-Dichloroethane	18.6		µg/kg wet		20.0		93	70-130		
1,1-Dichloroethene	22.5		µg/kg wet		20.0		113	70-130		
cis-1,2-Dichloroethene	21.9		µg/kg wet		20.0		110	70-130		
trans-1,2-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130		
1,2-Dichloropropane	19.6		µg/kg wet		20.0		98	70-130		
1,3-Dichloropropane	19.6		µg/kg wet		20.0		98	70-130		
2,2-Dichloropropane	18.2		µg/kg wet		20.0		91	70-130		
1,1-Dichloropropene	21.3		µg/kg wet		20.0		107	70-130		
cis-1,3-Dichloropropene	19.3		µg/kg wet		20.0		97	70-130		
trans-1,3-Dichloropropene	18.8		µg/kg wet		20.0		94	70-130		
Ethylbenzene	21.9		µg/kg wet		20.0		109	70-130		
Hexachlorobutadiene	21.9		µg/kg wet		20.0		110	60.6-135		
2-Hexanone (MBK)	16.0		µg/kg wet		20.0		80	70-130		
Isopropylbenzene	20.8		µg/kg wet		20.0		104	70-130		
4-Isopropyltoluene	21.8		µg/kg wet		20.0		109	70-130		
Methyl tert-butyl ether	18.7		µg/kg wet		20.0		94	70-130		
4-Methyl-2-pentanone (MIBK)	17.8		µg/kg wet		20.0		89	46-139		
Methylene chloride	20.6		µg/kg wet		20.0		103	70-130		
Naphthalene	16.6		µg/kg wet		20.0		83	70-130		
n-Propylbenzene	21.2		µg/kg wet		20.0		106	70-130		
Styrene	22.2		µg/kg wet		20.0		111	70-130		
1,1,1,2-Tetrachloroethane	22.4		µg/kg wet		20.0		112	70-130		
1,1,2,2-Tetrachloroethane	18.8		µg/kg wet		20.0		94	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091267 - SW846 5035A Soil (low level)										
LCS (7091267-BS1)										
Prepared & Analyzed: 20-Sep-07										
Tetrachloroethene	21.8		µg/kg wet		20.0		109	70-130		
Toluene	19.7		µg/kg wet		20.0		99	70-130		
1,2,3-Trichlorobenzene	25.6		µg/kg wet		20.0		128	70-130		
1,2,4-Trichlorobenzene	24.1		µg/kg wet		20.0		121	70-130		
1,1,1-Trichloroethane	22.4		µg/kg wet		20.0		112	70-130		
1,1,2-Trichloroethane	19.6		µg/kg wet		20.0		98	70-130		
Trichloroethene	21.2		µg/kg wet		20.0		106	70-130		
Trichlorofluoromethane (Freon 11)	26.7		µg/kg wet		20.0		134	56.6-150		
1,2,3-Trichloropropane	20.5		µg/kg wet		20.0		103	70-130		
1,2,4-Trimethylbenzene	20.5		µg/kg wet		20.0		103	70-130		
1,3,5-Trimethylbenzene	21.2		µg/kg wet		20.0		106	70-130		
Vinyl chloride	19.6		µg/kg wet		20.0		98	70-130		
m,p-Xylene	43.6		µg/kg wet		40.0		109	70-130		
o-Xylene	22.6		µg/kg wet		20.0		113	70-130		
Tetrahydrofuran	15.6		µg/kg wet		20.0		78	70-130		
Ethyl ether	20.1		µg/kg wet		20.0		100	64.1-136		
Tert-amyl methyl ether	17.6		µg/kg wet		20.0		88	70-130		
Ethyl tert-butyl ether	20.3		µg/kg wet		20.0		101	70-130		
Di-isopropyl ether	19.2		µg/kg wet		20.0		96	70-130		
Tert-Butanol / butyl alcohol	150		µg/kg wet		200		75	70-130		
1,4-Dioxane	131		µg/kg wet		200		65	34.8-156		
Surrogate: 4-Bromofluorobenzene	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.2*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*50.7*		µg/kg wet		*50.0*		*101*	*70-130*		
LCS Dup (7091267-BSD1)										
Prepared & Analyzed: 20-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.5		µg/kg wet		20.0		112	70-130	10	25
Acetone	8.7	QR2	µg/kg wet		20.0		44	0-177	65	50
Acrylonitrile	14.6		µg/kg wet		20.0		73	70-130	20	25
Benzene	17.0		µg/kg wet		20.0		85	70-130	10	25
Bromobenzene	20.4		µg/kg wet		20.0		102	70-130	7	25
Bromochloromethane	18.0		µg/kg wet		20.0		90	70-130	16	25
Bromodichloromethane	18.4		µg/kg wet		20.0		92	70-130	14	25
Bromoform	18.7		µg/kg wet		20.0		94	70-130	14	25
Bromomethane	19.4		µg/kg wet		20.0		97	61.3-136	10	50
2-Butanone (MEK)	5.2		µg/kg wet		20.0		26	20.6-137	43	50
n-Butylbenzene	19.6		µg/kg wet		20.0		98	70-130	5	25
sec-Butylbenzene	21.2		µg/kg wet		20.0		106	70-130	3	25
tert-Butylbenzene	21.3		µg/kg wet		20.0		106	70-130	4	25
Carbon disulfide	19.8		µg/kg wet		20.0		99	70-130	13	25
Carbon tetrachloride	19.8		µg/kg wet		20.0		99	70-130	11	25
Chlorobenzene	20.4		µg/kg wet		20.0		102	70-130	9	25
Chloroethane	19.8		µg/kg wet		20.0		99	64.6-134	10	50
Chloroform	18.8		µg/kg wet		20.0		94	70-130	11	25
Chloromethane	21.0		µg/kg wet		20.0		105	70-130	11	25
2-Chlorotoluene	21.0		µg/kg wet		20.0		105	70-130	5	25
4-Chlorotoluene	20.0		µg/kg wet		20.0		100	70-130	4	25
1,2-Dibromo-3-chloropropane	15.3		µg/kg wet		20.0		77	70-130	13	25
Dibromochloromethane	18.3		µg/kg wet		20.0		91	70-137	16	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091267 - SW846 5035A Soil (low level)										
LCS Dup (7091267-BSD1)										
Prepared & Analyzed: 20-Sep-07										
1,2-Dibromoethane (EDB)	16.1		µg/kg wet		20.0		80	70-130	17	25
Dibromomethane	17.5		µg/kg wet		20.0		88	70-130	16	25
1,2-Dichlorobenzene	19.9		µg/kg wet		20.0		100	70-130	9	25
1,3-Dichlorobenzene	20.9		µg/kg wet		20.0		104	70-130	6	25
1,4-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	6	25
Dichlorodifluoromethane (Freon12)	27.2		µg/kg wet		20.0		136	29.9-190	11	50
1,1-Dichloroethane	18.9		µg/kg wet		20.0		94	70-130	12	25
1,2-Dichloroethane	16.4		µg/kg wet		20.0		82	70-130	13	25
1,1-Dichloroethene	20.6		µg/kg wet		20.0		103	70-130	9	25
cis-1,2-Dichloroethene	19.6		µg/kg wet		20.0		98	70-130	11	25
trans-1,2-Dichloroethene	18.9		µg/kg wet		20.0		94	70-130	11	25
1,2-Dichloropropane	18.0		µg/kg wet		20.0		90	70-130	9	25
1,3-Dichloropropane	17.2		µg/kg wet		20.0		86	70-130	13	25
2,2-Dichloropropane	16.1		µg/kg wet		20.0		80	70-130	12	25
1,1-Dichloropropene	19.8		µg/kg wet		20.0		99	70-130	8	25
cis-1,3-Dichloropropene	16.8		µg/kg wet		20.0		84	70-130	14	25
trans-1,3-Dichloropropene	16.4		µg/kg wet		20.0		82	70-130	13	25
Ethylbenzene	20.6		µg/kg wet		20.0		103	70-130	6	25
Hexachlorobutadiene	19.1		µg/kg wet		20.0		96	60.6-135	13	50
2-Hexanone (MBK)	12.2	QC1	µg/kg wet		20.0		61	70-130	27	25
Isopropylbenzene	19.9		µg/kg wet		20.0		100	70-130	5	25
4-Isopropyltoluene	20.6		µg/kg wet		20.0		103	70-130	6	25
Methyl tert-butyl ether	16.0		µg/kg wet		20.0		80	70-130	16	25
4-Methyl-2-pentanone (MIBK)	14.4		µg/kg wet		20.0		72	46-139	22	50
Methylene chloride	18.4		µg/kg wet		20.0		92	70-130	11	25
Naphthalene	14.0		µg/kg wet		20.0		70	70-130	17	25
n-Propylbenzene	20.2		µg/kg wet		20.0		101	70-130	5	25
Styrene	20.5		µg/kg wet		20.0		103	70-130	8	25
1,1,1,2-Tetrachloroethane	20.3		µg/kg wet		20.0		102	70-130	10	25
1,1,2,2-Tetrachloroethane	17.5		µg/kg wet		20.0		87	70-130	7	25
Tetrachloroethene	19.8		µg/kg wet		20.0		99	70-130	10	25
Toluene	17.8		µg/kg wet		20.0		89	70-130	10	25
1,2,3-Trichlorobenzene	21.6		µg/kg wet		20.0		108	70-130	17	25
1,2,4-Trichlorobenzene	21.0		µg/kg wet		20.0		105	70-130	14	25
1,1,1-Trichloroethane	20.2		µg/kg wet		20.0		101	70-130	10	25
1,1,2-Trichloroethane	16.8		µg/kg wet		20.0		84	70-130	16	25
Trichloroethene	19.2		µg/kg wet		20.0		96	70-130	10	25
Trichlorofluoromethane (Freon 11)	24.0		µg/kg wet		20.0		120	56.6-150	11	50
1,2,3-Trichloropropane	18.7		µg/kg wet		20.0		94	70-130	9	25
1,2,4-Trimethylbenzene	20.0		µg/kg wet		20.0		100	70-130	2	25
1,3,5-Trimethylbenzene	20.4		µg/kg wet		20.0		102	70-130	4	25
Vinyl chloride	23.6		µg/kg wet		20.0		118	70-130	18	25
m,p-Xylene	40.9		µg/kg wet		40.0		102	70-130	6	25
o-Xylene	21.5		µg/kg wet		20.0		108	70-130	5	25
Tetrahydrofuran	13.2	QC1	µg/kg wet		20.0		66	70-130	17	25
Ethyl ether	18.0		µg/kg wet		20.0		90	64.1-136	11	50
Tert-amyl methyl ether	14.7		µg/kg wet		20.0		73	70-130	18	25
Ethyl tert-butyl ether	17.6		µg/kg wet		20.0		88	70-130	14	25
Di-isopropyl ether	17.1		µg/kg wet		20.0		86	70-130	11	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091267 - SW846 5035A Soil (low level)										
LCS Dup (7091267-BSD1)										
Prepared & Analyzed: 20-Sep-07										
Tert-Butanol / butyl alcohol	123	QC1	µg/kg wet		200		61	70-130	20	25
1,4-Dioxane	112		µg/kg wet		200		56	34.8-156	15	25
Surrogate: 4-Bromofluorobenzene	*50.5*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*49.4*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*43.6*		µg/kg wet		*50.0*		*87*	*70-130*		
Surrogate: Dibromofluoromethane	*47.8*		µg/kg wet		*50.0*		*96*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090826 - SW846 3550B										
Blank (7090826-BLK1)										
Prepared & Analyzed: 17-Sep-07										
2,4,5-T	BRL	U	µg/kg wet	6.70						
2,4,5-T [2C]	BRL	U	µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL	U	µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL	U	µg/kg wet	6.70						
2,4-D	BRL	U	µg/kg wet	6.70						
2,4-D [2C]	BRL	U	µg/kg wet	6.70						
2,4-DB	BRL	U	µg/kg wet	6.70						
2,4-DB [2C]	BRL	U	µg/kg wet	6.70						
Dalapon	BRL	U	µg/kg wet	6.70						
Dalapon [2C]	BRL	U	µg/kg wet	6.70						
Dicamba	BRL	U	µg/kg wet	6.70						
Dicamba [2C]	BRL	U	µg/kg wet	6.70						
Dichlorprop	BRL	U	µg/kg wet	6.70						
Dichlorprop [2C]	BRL	U	µg/kg wet	6.70						
Dinoseb	BRL	U	µg/kg wet	6.70						
Dinoseb [2C]	BRL	U	µg/kg wet	6.70						
MCPA	BRL	U	µg/kg wet	670						
MCPA [2C]	BRL	U	µg/kg wet	670						
MCPB	BRL	U	µg/kg wet	670						
MCPB [2C]	BRL	U	µg/kg wet	670						
MCPP	BRL	U	µg/kg wet	670						
MCPP [2C]	BRL	U	µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*5.47*		µg/kg wet		*13.3*		*41*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*4.53*		µg/kg wet		*13.3*		*34*	*30-150*		
LCS (7090826-BS1)										
Prepared & Analyzed: 17-Sep-07										
2,4,5-T	23.5		µg/kg wet	6.70	33.3		71	40-140		
2,4,5-T [2C]	17.9		µg/kg wet	6.70	33.3		54	40-140		
2,4,5-TP (Silvex)	25.5		µg/kg wet	6.70	33.3		77	40-140		
2,4,5-TP (Silvex) [2C]	20.6		µg/kg wet	6.70	33.3		62	40-140		
2,4-D	22.3		µg/kg wet	6.70	33.3		67	40-140		
2,4-D [2C]	10.9		µg/kg wet	6.70	33.3		33	40-140		
2,4-DB	25.1		µg/kg wet	6.70	33.3		75	40-140		
2,4-DB [2C]	16.7		µg/kg wet	6.70	33.3		50	40-140		
Dalapon	17.1		µg/kg wet	6.70	33.3		51	40-140		
Dalapon [2C]	15.9		µg/kg wet	6.70	33.3		48	40-140		
Dicamba	25.3		µg/kg wet	6.70	33.3		76	40-140		
Dicamba [2C]	19.5		µg/kg wet	6.70	33.3		59	40-140		
Dichlorprop	21.2		µg/kg wet	6.70	33.3		64	40-140		
Dichlorprop [2C]	17.6		µg/kg wet	6.70	33.3		53	40-140		
Dinoseb	34.3		µg/kg wet	6.70	33.3		103	40-140		
Dinoseb [2C]	18.1		µg/kg wet	6.70	33.3		54	40-140		
MCPA	BRL	U	µg/kg wet	670				40-140		
MCPA [2C]	BRL	U	µg/kg wet	670				40-140		
MCPB	BRL	U	µg/kg wet	670				40-140		
MCPB [2C]	BRL	U	µg/kg wet	670				40-140		
MCPP	BRL	U	µg/kg wet	670				40-140		
MCPP [2C]	BRL	U	µg/kg wet	670				40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*7.93*		µg/kg wet		*13.3*		*60*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090826 - SW846 3550B										
LCS (7090826-BS1)										
Prepared & Analyzed: 17-Sep-07										
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*6.13*		µg/kg wet		*13.3*		*46*	*30-150*		
LCS (7090826-BS2)										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
2,4,5-T	BRL	U	µg/kg wet	6.70				40-140		
2,4,5-T [2C]	BRL	U	µg/kg wet	6.70				40-140		
2,4,5-TP (Silvex)	BRL	U	µg/kg wet	6.70				40-140		
2,4,5-TP (Silvex) [2C]	BRL	U	µg/kg wet	6.70				40-140		
2,4-D	BRL	U	µg/kg wet	6.70				40-140		
2,4-D [2C]	BRL	U	µg/kg wet	6.70				40-140		
2,4-DB	BRL	U	µg/kg wet	6.70				40-140		
2,4-DB [2C]	BRL	U	µg/kg wet	6.70				40-140		
Dalapon	BRL	U	µg/kg wet	6.70				40-140		
Dalapon [2C]	BRL	U	µg/kg wet	6.70				40-140		
Dicamba	BRL	U	µg/kg wet	6.70				40-140		
Dicamba [2C]	BRL	U	µg/kg wet	6.70				40-140		
Dichlorprop	BRL	U	µg/kg wet	6.70				40-140		
Dichlorprop [2C]	BRL	U	µg/kg wet	6.70				40-140		
Dinoseb	BRL	U	µg/kg wet	6.70				40-140		
Dinoseb [2C]	BRL	U	µg/kg wet	6.70				40-140		
MCPA	5020		µg/kg wet	670	10000		50	40-140		
MCPA [2C]	2820		µg/kg wet	670	10000		28	40-140		
MCPB	6360		µg/kg wet	670	10000		64	40-140		
MCPB [2C]	2530		µg/kg wet	670	10000		25	40-140		
MCPP	8550		µg/kg wet	670	10000		86	40-140		
MCPP [2C]	4790		µg/kg wet	670	10000		48	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.00*		µg/kg wet		*13.3*		*68*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*5.73*		µg/kg wet		*13.3*		*43*	*30-150*		
LCS Dup (7090826-BSD1)										
Prepared & Analyzed: 17-Sep-07										
2,4,5-T	23.5		µg/kg wet	6.70	33.3		71	40-140	0	25
2,4,5-T [2C]	18.8		µg/kg wet	6.70	33.3		56	40-140	5	25
2,4,5-TP (Silvex)	25.9		µg/kg wet	6.70	33.3		78	40-140	2	25
2,4,5-TP (Silvex) [2C]	21.7		µg/kg wet	6.70	33.3		65	40-140	5	25
2,4-D	23.0		µg/kg wet	6.70	33.3		69	40-140	3	25
2,4-D [2C]	9.33		µg/kg wet	6.70	33.3		28	40-140	15	25
2,4-DB	26.0		µg/kg wet	6.70	33.3		78	40-140	4	25
2,4-DB [2C]	17.9		µg/kg wet	6.70	33.3		54	40-140	7	25
Dalapon	16.8		µg/kg wet	6.70	33.3		50	40-140	2	25
Dalapon [2C]	14.9		µg/kg wet	6.70	33.3		45	40-140	6	25
Dicamba	25.9		µg/kg wet	6.70	33.3		78	40-140	2	25
Dicamba [2C]	21.0		µg/kg wet	6.70	33.3		63	40-140	7	25
Dichlorprop	22.1		µg/kg wet	6.70	33.3		66	40-140	4	25
Dichlorprop [2C]	16.1		µg/kg wet	6.70	33.3		48	40-140	9	25
Dinoseb	34.6		µg/kg wet	6.70	33.3		104	40-140	0.8	25
Dinoseb [2C]	20.1		µg/kg wet	6.70	33.3		60	40-140	11	25
MCPA	BRL	U	µg/kg wet	670				40-140		25
MCPA [2C]	BRL	U	µg/kg wet	670				40-140		25
MCPB	BRL	U	µg/kg wet	670				40-140		25
MCPB [2C]	BRL	U	µg/kg wet	670				40-140		25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090826 - SW846 3550B										
LCS Dup (7090826-BSD1)										
Prepared & Analyzed: 17-Sep-07										
MCPP	BRL	U	µg/kg wet	670				40-140		25
MCPP [2C]	BRL	U	µg/kg wet	670				40-140		25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.27*		µg/kg wet		*13.3*		*62*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*6.40*		µg/kg wet		*13.3*		*48*	*30-150*		
LCS Dup (7090826-BSD2)										
Prepared & Analyzed: 17-Sep-07										
2,4,5-T	BRL	U	µg/kg wet	6.70				40-140		25
2,4,5-T [2C]	BRL	U	µg/kg wet	6.70				40-140		25
2,4,5-TP (Silvex)	BRL	U	µg/kg wet	6.70				40-140		25
2,4,5-TP (Silvex) [2C]	BRL	U	µg/kg wet	6.70				40-140		25
2,4-D	BRL	U	µg/kg wet	6.70				40-140		25
2,4-D [2C]	BRL	U	µg/kg wet	6.70				40-140		25
2,4-DB	BRL	U	µg/kg wet	6.70				40-140		25
2,4-DB [2C]	BRL	U	µg/kg wet	6.70				40-140		25
Dalapon	BRL	U	µg/kg wet	6.70				40-140		25
Dalapon [2C]	BRL	U	µg/kg wet	6.70				40-140		25
Dicamba	BRL	U	µg/kg wet	6.70				40-140		25
Dicamba [2C]	BRL	U	µg/kg wet	6.70				40-140		25
Dichlorprop	BRL	U	µg/kg wet	6.70				40-140		25
Dichlorprop [2C]	BRL	U	µg/kg wet	6.70				40-140		25
Dinoseb	BRL	U	µg/kg wet	6.70				40-140		25
Dinoseb [2C]	BRL	U	µg/kg wet	6.70				40-140		25
MCPA	4830		µg/kg wet	670	10000		48	40-140	4	25
MCPA [2C]	3040		µg/kg wet	670	10000		30	40-140	8	25
MCPB	6640		µg/kg wet	670	10000		66	40-140	4	25
MCPB [2C]	2850		µg/kg wet	670	10000		28	40-140	12	25
MCPP	8870		µg/kg wet	670	10000		89	40-140	4	25
MCPP [2C]	4730		µg/kg wet	670	10000		47	40-140	1	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.40*		µg/kg wet		*13.3*		*71*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*5.67*		µg/kg wet		*13.3*		*43*	*30-150*		
Duplicate (7090826-DUP1) **Source: SA68097-02**										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
2,4,5-T	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL	U	µg/kg dry	6.70		BRL				30
2,4-D	BRL	U	µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL	U	µg/kg dry	6.70		BRL				30
2,4-DB	BRL	U	µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL	U	µg/kg dry	6.70		BRL				30
Dalapon	BRL	U	µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL	U	µg/kg dry	6.70		BRL				30
Dicamba	BRL	U	µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL	U	µg/kg dry	6.70		BRL				30
Dichlorprop	BRL	U	µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL	U	µg/kg dry	6.70		BRL				30
Dinoseb	BRL	U	µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL	U	µg/kg dry	6.70		BRL				30
MCPA	BRL	U	µg/kg dry	670		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090826 - SW846 3550B										
Duplicate (7090826-DUP1) **Source: SA68097-02**										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
MCPA [2C]	BRL	U	µg/kg dry	670		BRL				30
MCPB	BRL	U	µg/kg dry	670		BRL				30
MCPB [2C]	BRL	U	µg/kg dry	670		BRL				30
MCPP	BRL	U	µg/kg dry	670		BRL				30
MCPP [2C]	BRL	U	µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.11*		µg/kg dry		*14.1*		*64*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*4.87*		µg/kg dry		*14.1*		*34*	*30-150*		
Batch 7091049 - SW846 3550B										
Blank (7091049-BLK1)										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Aroclor-1016	BRL	U	µg/kg wet	28.6						
Aroclor-1016 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1221	BRL	U	µg/kg wet	28.6						
Aroclor-1221 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1232	BRL	U	µg/kg wet	28.6						
Aroclor-1232 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1242	BRL	U	µg/kg wet	28.6						
Aroclor-1242 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1248	BRL	U	µg/kg wet	28.6						
Aroclor-1248 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1254	BRL	U	µg/kg wet	28.6						
Aroclor-1254 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1260	BRL	U	µg/kg wet	28.6						
Aroclor-1260 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1262	BRL	U	µg/kg wet	28.6						
Aroclor-1262 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1268	BRL	U	µg/kg wet	28.6						
Aroclor-1268 [2C]	BRL	U	µg/kg wet	28.6						
Surrogate: Decachlorobiphenyl (Sr)	*21.4*		µg/kg wet		*28.6*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.4*		µg/kg wet		*28.6*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.3*		µg/kg wet		*28.6*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*10.0*		µg/kg wet		*28.6*		*35*	*30-150*		
LCS (7091049-BS1)										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Aroclor-1016	373		µg/kg wet	28.6	357		104	50-140		
Aroclor-1016 [2C]	347		µg/kg wet	28.6	357		97	50-140		
Aroclor-1260	370		µg/kg wet	28.6	357		104	50-140		
Aroclor-1260 [2C]	343		µg/kg wet	28.6	357		96	50-140		
Surrogate: Decachlorobiphenyl (Sr)	*24.3*		µg/kg wet		*28.6*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.9*		µg/kg wet		*28.6*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.3*		µg/kg wet		*28.6*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*10.0*		µg/kg wet		*28.6*		*35*	*30-150*		
LCS Dup (7091049-BSD1)										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Aroclor-1016	390		µg/kg wet	28.6	357		109	50-140	4	30
Aroclor-1016 [2C]	329		µg/kg wet	28.6	357		92	50-140	5	30
Aroclor-1260	344		µg/kg wet	28.6	357		96	50-140	7	30
Aroclor-1260 [2C]	310		µg/kg wet	28.6	357		87	50-140	10	30
Surrogate: Decachlorobiphenyl (Sr)	*21.4*		µg/kg wet		*28.6*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.9*		µg/kg wet		*28.6*		*80*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091049 - SW846 3550B										
LCS Dup (7091049-BSD1)										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.3*		µg/kg wet		*28.6*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*14.3*		µg/kg wet		*28.6*		*50*	*30-150*		
Duplicate (7091049-DUP1) **Source: SA68202-02**										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Aroclor-1016	BRL	U	µg/kg dry	32.9		BRL				40
Aroclor-1016 [2C]	BRL	U	µg/kg dry	32.9		BRL				40
Aroclor-1221	BRL	U	µg/kg dry	32.9		BRL				40
Aroclor-1221 [2C]	BRL	U	µg/kg dry	32.9		BRL				40
Aroclor-1232	BRL	U	µg/kg dry	32.9		BRL				40
Aroclor-1232 [2C]	BRL	U	µg/kg dry	32.9		BRL				40
Aroclor-1242	BRL	U	µg/kg dry	32.9		BRL				40
Aroclor-1242 [2C]	BRL	U	µg/kg dry	32.9		BRL				40
Aroclor-1248	BRL	U	µg/kg dry	32.9		BRL				40
Aroclor-1248 [2C]	BRL	U	µg/kg dry	32.9		BRL				40
Aroclor-1254	BRL	U	µg/kg dry	32.9		BRL				40
Aroclor-1254 [2C]	BRL	U	µg/kg dry	32.9		BRL				40
Aroclor-1260	BRL	U	µg/kg dry	32.9		BRL				40
Aroclor-1260 [2C]	BRL	U	µg/kg dry	32.9		BRL				40
Aroclor-1262	BRL	U	µg/kg dry	32.9		BRL				40
Aroclor-1262 [2C]	BRL	U	µg/kg dry	32.9		BRL				40
Aroclor-1268	BRL	U	µg/kg dry	32.9		BRL				40
Aroclor-1268 [2C]	BRL	U	µg/kg dry	32.9		BRL				40
Surrogate: Decachlorobiphenyl (Sr)	*29.6*		µg/kg dry		*32.9*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*32.9*		µg/kg dry		*32.9*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.7*		µg/kg dry		*32.9*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*18.1*		µg/kg dry		*32.9*		*55*	*30-150*		
Matrix Spike (7091049-MS1) **Source: SA68202-02**										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Aroclor-1016	440		µg/kg dry	32.2	403	BRL	109	40-135		
Aroclor-1016 [2C]	386		µg/kg dry	32.2	403	BRL	96	40-135		
Aroclor-1260	428		µg/kg dry	32.2	403	BRL	106	40-135		
Aroclor-1260 [2C]	411		µg/kg dry	32.2	403	BRL	102	40-135		
Surrogate: Decachlorobiphenyl (Sr)	*27.4*		µg/kg dry		*32.2*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*30.6*		µg/kg dry		*32.2*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.1*		µg/kg dry		*32.2*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*16.1*		µg/kg dry		*32.2*		*50*	*30-150*		
Matrix Spike Dup (7091049-MSD1) **Source: SA68202-02**										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Aroclor-1016	433		µg/kg dry	31.0	388	BRL	112	40-135	2	15
Aroclor-1016 [2C]	391		µg/kg dry	31.0	388	BRL	101	40-135	5	15
Aroclor-1260	426		µg/kg dry	31.0	388	BRL	110	40-135	3	20
Aroclor-1260 [2C]	389		µg/kg dry	31.0	388	BRL	100	40-135	2	20
Surrogate: Decachlorobiphenyl (Sr)	*24.8*		µg/kg dry		*31.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*26.4*		µg/kg dry		*31.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.5*		µg/kg dry		*31.0*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*14.0*		µg/kg dry		*31.0*		*45*	*30-150*		
Batch 7091050 - SW846 3550B										
Blank (7091050-BLK1)										
Prepared & Analyzed: 18-Sep-07										
alpha-BHC	BRL	U	µg/kg wet	14.3						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091050 - SW846 3550B										
Blank (7091050-BLK1)										
Prepared & Analyzed: 18-Sep-07										
alpha-BHC [2C]	BRL	U	µg/kg wet	14.3						
beta-BHC	BRL	U	µg/kg wet	14.3						
beta-BHC [2C]	BRL	U	µg/kg wet	14.3						
delta-BHC	BRL	U	µg/kg wet	14.3						
delta-BHC [2C]	BRL	U	µg/kg wet	14.3						
gamma-BHC (Lindane)	BRL	U	µg/kg wet	14.3						
gamma-BHC (Lindane) [2C]	BRL	U	µg/kg wet	14.3						
Heptachlor	BRL	U	µg/kg wet	14.3						
Heptachlor [2C]	BRL	U	µg/kg wet	14.3						
Aldrin	BRL	U	µg/kg wet	14.3						
Aldrin [2C]	BRL	U	µg/kg wet	14.3						
Heptachlor epoxide	BRL	U	µg/kg wet	14.3						
Heptachlor Epoxide [2C]	BRL	U	µg/kg wet	14.3						
Endosulfan I	BRL	U	µg/kg wet	14.3						
Endosulfan I [2C]	BRL	U	µg/kg wet	14.3						
Dieldrin	BRL	U	µg/kg wet	14.3						
Dieldrin [2C]	BRL	U	µg/kg wet	14.3						
4,4'-DDE (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDE (p,p') [2C]	BRL	U	µg/kg wet	14.3						
Endrin	BRL	U	µg/kg wet	14.3						
Endrin [2C]	BRL	U	µg/kg wet	14.3						
Endosulfan II	BRL	U	µg/kg wet	14.3						
Endosulfan II [2C]	BRL	U	µg/kg wet	14.3						
4,4'-DDD (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDD (p,p') [2C]	BRL	U	µg/kg wet	14.3						
Endosulfan sulfate	BRL	U	µg/kg wet	14.3						
Endosulfan Sulfate [2C]	BRL	U	µg/kg wet	14.3						
4,4'-DDT (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDT (p,p') [2C]	BRL	U	µg/kg wet	14.3						
Methoxychlor	BRL	U	µg/kg wet	14.3						
Methoxychlor [2C]	BRL	U	µg/kg wet	14.3						
Endrin ketone	BRL	U	µg/kg wet	14.3						
Endrin ketone [2C]	BRL	U	µg/kg wet	14.3						
Endrin aldehyde	BRL	U	µg/kg wet	14.3						
Endrin Aldehyde [2C]	BRL	U	µg/kg wet	14.3						
alpha-Chlordane	BRL	U	µg/kg wet	14.3						
alpha-Chlordane [2C]	BRL	U	µg/kg wet	14.3						
gamma-Chlordane	BRL	U	µg/kg wet	14.3						
gamma-Chlordane [2C]	BRL	U	µg/kg wet	14.3						
Toxaphene	BRL	U	µg/kg wet	71.5						
Toxaphene [2C]	BRL	U	µg/kg wet	71.5						
Chlordane	BRL	U	µg/kg wet	71.5						
Chlordane [2C]	BRL	U	µg/kg wet	71.5						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*12.5*		µg/kg wet		*28.6*		*44*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*12.7*		µg/kg wet		*28.6*		*45*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.0*		µg/kg wet		*28.6*		*63*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.1*		µg/kg wet		*28.6*		*77*	*30-150*		
LCS (7091050-BS1)										
Prepared & Analyzed: 18-Sep-07										
alpha-BHC	25.9		µg/kg wet	14.3				40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091050 - SW846 3550B										
LCS (7091050-BS1)										
Prepared & Analyzed: 18-Sep-07										
alpha-BHC [2C]	24.9		µg/kg wet	14.3				40-140		
beta-BHC	23.9		µg/kg wet	14.3				40-140		
beta-BHC [2C]	29.3		µg/kg wet	14.3				40-140		
delta-BHC	20.9		µg/kg wet	14.3				40-140		
delta-BHC [2C]	21.2		µg/kg wet	14.3				40-140		
gamma-BHC (Lindane)	25.8		µg/kg wet	14.3				50-120		
gamma-BHC (Lindane) [2C]	24.4		µg/kg wet	14.3				50-120		
Heptachlor	26.5		µg/kg wet	14.3	28.6		93	40-140		
Heptachlor [2C]	27.0		µg/kg wet	14.3				40-140		
Aldrin	25.5		µg/kg wet	14.3	28.6		89	40-140		
Aldrin [2C]	26.1		µg/kg wet	14.3				40-140		
Heptachlor epoxide	25.1		µg/kg wet	14.3	28.6		88	50-150		
Heptachlor Epoxide [2C]	26.0		µg/kg wet	14.3				50-150		
Endosulfan I	25.7		µg/kg wet	14.3	28.6		90	40-140		
Endosulfan I [2C]	26.8		µg/kg wet	14.3				40-140		
Dieldrin	26.0		µg/kg wet	14.3	28.6		91	30-130		
Dieldrin [2C]	26.8		µg/kg wet	14.3				30-130		
4,4'-DDE (p,p')	25.0		µg/kg wet	14.3	28.6		87	50-150		
4,4'-DDE (p,p') [2C]	26.3		µg/kg wet	14.3				50-150		
Endrin	24.9		µg/kg wet	14.3	28.6		87	50-120		
Endrin [2C]	27.1		µg/kg wet	14.3				50-120		
Endosulfan II	26.9		µg/kg wet	14.3	28.6		94	40-140		
Endosulfan II [2C]	24.1		µg/kg wet	14.3				40-140		
4,4'-DDD (p,p')	25.2		µg/kg wet	14.3	28.6		88	40-140		
4,4'-DDD (p,p') [2C]	26.5		µg/kg wet	14.3				40-140		
Endosulfan sulfate	24.9		µg/kg wet	14.3	28.6		87	50-120		
Endosulfan Sulfate [2C]	26.1		µg/kg wet	14.3				50-120		
4,4'-DDT (p,p')	23.9		µg/kg wet	14.3	28.6		84	40-140		
4,4'-DDT (p,p') [2C]	26.2		µg/kg wet	14.3				40-140		
Methoxychlor	23.6		µg/kg wet	14.3	28.6		83	40-140		
Methoxychlor [2C]	28.0		µg/kg wet	14.3				40-140		
Endrin ketone	25.7		µg/kg wet	14.3	28.6		90	40-140		
Endrin ketone [2C]	27.8		µg/kg wet	14.3				40-140		
Endrin aldehyde	24.9		µg/kg wet	14.3	28.6		87	40-140		
Endrin Aldehyde [2C]	26.8		µg/kg wet	14.3				40-140		
alpha-Chlordane	25.9		µg/kg wet	14.3	28.6		91	40-140		
alpha-Chlordane [2C]	25.6		µg/kg wet	14.3				40-140		
gamma-Chlordane	26.2		µg/kg wet	14.3	28.6		92	30-130		
gamma-Chlordane [2C]	25.8		µg/kg wet	14.3				30-130		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.6*		µg/kg wet		*28.6*		*51*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.2*		µg/kg wet		*28.6*		*53*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.5*		µg/kg wet		*28.6*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.8*		µg/kg wet		*28.6*		*83*	*30-150*		
LCS Dup (7091050-BSD1)										
Prepared & Analyzed: 18-Sep-07										
alpha-BHC	25.8		µg/kg wet	14.3				40-140		30
alpha-BHC [2C]	25.4		µg/kg wet	14.3				40-140		30
beta-BHC	23.9		µg/kg wet	14.3				40-140		30
beta-BHC [2C]	30.0		µg/kg wet	14.3				40-140		30
delta-BHC	21.7		µg/kg wet	14.3				40-140		30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091050 - SW846 3550B										
LCS Dup (7091050-BSD1)										
Prepared & Analyzed: 18-Sep-07										
delta-BHC [2C]	21.3		µg/kg wet	14.3				40-140		30
gamma-BHC (Lindane)	26.3		µg/kg wet	14.3				50-120		30
gamma-BHC (Lindane) [2C]	24.7		µg/kg wet	14.3				50-120		30
Heptachlor	26.7		µg/kg wet	14.3	28.6		93	40-140	0.8	30
Heptachlor [2C]	27.0		µg/kg wet	14.3				40-140		30
Aldrin	26.9		µg/kg wet	14.3	28.6		94	40-140	5	30
Aldrin [2C]	26.6		µg/kg wet	14.3				40-140		30
Heptachlor epoxide	27.6		µg/kg wet	14.3	28.6		97	50-150	10	30
Heptachlor Epoxide [2C]	26.6		µg/kg wet	14.3				50-150		30
Endosulfan I	27.9		µg/kg wet	14.3	28.6		98	40-140	8	30
Endosulfan I [2C]	27.3		µg/kg wet	14.3				40-140		30
Dieldrin	27.9		µg/kg wet	14.3	28.6		98	30-130	7	30
Dieldrin [2C]	27.4		µg/kg wet	14.3				30-130		30
4,4'-DDE (p,p')	27.9		µg/kg wet	14.3	28.6		98	50-150	11	30
4,4'-DDE (p,p') [2C]	26.9		µg/kg wet	14.3				50-150		30
Endrin	28.1		µg/kg wet	14.3	28.6		98	50-120	12	30
Endrin [2C]	27.8		µg/kg wet	14.3				50-120		30
Endosulfan II	28.9		µg/kg wet	14.3	28.6		101	40-140	7	30
Endosulfan II [2C]	28.9		µg/kg wet	14.3				40-140		30
4,4'-DDD (p,p')	28.2		µg/kg wet	14.3	28.6		99	40-140	11	30
4,4'-DDD (p,p') [2C]	27.0		µg/kg wet	14.3				40-140		30
Endosulfan sulfate	27.1		µg/kg wet	14.3	28.6		95	50-120	9	30
Endosulfan Sulfate [2C]	26.4		µg/kg wet	14.3				50-120		30
4,4'-DDT (p,p')	27.3		µg/kg wet	14.3	28.6		96	40-140	14	30
4,4'-DDT (p,p') [2C]	28.7		µg/kg wet	14.3				40-140		30
Methoxychlor	26.5		µg/kg wet	14.3	28.6		93	40-140	11	30
Methoxychlor [2C]	28.0		µg/kg wet	14.3				40-140		30
Endrin ketone	28.5		µg/kg wet	14.3	28.6		100	40-140	10	30
Endrin ketone [2C]	27.9		µg/kg wet	14.3				40-140		30
Endrin aldehyde	27.6		µg/kg wet	14.3	28.6		96	40-140	10	30
Endrin Aldehyde [2C]	26.8		µg/kg wet	14.3				40-140		30
alpha-Chlordane	27.1		µg/kg wet	14.3	28.6		95	40-140	4	30
alpha-Chlordane [2C]	26.9		µg/kg wet	14.3				40-140		30
gamma-Chlordane	27.4		µg/kg wet	14.3	28.6		96	30-130	5	30
gamma-Chlordane [2C]	26.4		µg/kg wet	14.3				30-130		30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.9*		µg/kg wet		*28.6*		*52*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*16.1*		µg/kg wet		*28.6*		*56*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.5*		µg/kg wet		*28.6*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.0*		µg/kg wet		*28.6*		*84*	*30-150*		
Duplicate (7091050-DUP1) **Source: SA68202-02**										
Prepared & Analyzed: 18-Sep-07										
alpha-BHC	BRL	U	µg/kg dry	15.2		BRL				30
alpha-BHC [2C]	BRL	U	µg/kg dry	15.2		BRL				30
beta-BHC	BRL	U	µg/kg dry	15.2		BRL				30
beta-BHC [2C]	BRL	U	µg/kg dry	15.2		BRL				30
delta-BHC	BRL	U	µg/kg dry	15.2		BRL				30
delta-BHC [2C]	BRL	U	µg/kg dry	15.2		BRL				30
gamma-BHC (Lindane)	BRL	U	µg/kg dry	15.2		BRL				30
gamma-BHC (Lindane) [2C]	BRL	U	µg/kg dry	15.2		BRL				30
Heptachlor	BRL	U	µg/kg dry	15.2		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091050 - SW846 3550B										
Duplicate (7091050-DUP1) **Source: SA68202-02**										
Prepared & Analyzed: 18-Sep-07										
Heptachlor [2C]	BRL	U	µg/kg dry	15.2		BRL				30
Aldrin	BRL	U	µg/kg dry	15.2		BRL				30
Aldrin [2C]	BRL	U	µg/kg dry	15.2		BRL				30
Heptachlor epoxide	BRL	U	µg/kg dry	15.2		BRL				30
Heptachlor Epoxide [2C]	BRL	U	µg/kg dry	15.2		BRL				30
Endosulfan I	BRL	U	µg/kg dry	15.2		BRL				30
Endosulfan I [2C]	BRL	U	µg/kg dry	15.2		BRL				30
Dieldrin	BRL	U	µg/kg dry	15.2		BRL				30
Dieldrin [2C]	BRL	U	µg/kg dry	15.2		BRL				30
4,4'-DDE (p,p')	BRL	U	µg/kg dry	15.2		BRL				30
4,4'-DDE (p,p') [2C]	BRL	U	µg/kg dry	15.2		BRL				30
Endrin	BRL	U	µg/kg dry	15.2		BRL				30
Endrin [2C]	BRL	U	µg/kg dry	15.2		BRL				30
Endosulfan II	BRL	U	µg/kg dry	15.2		BRL				30
Endosulfan II [2C]	BRL	U	µg/kg dry	15.2		BRL				30
4,4'-DDD (p,p')	BRL	U	µg/kg dry	15.2		BRL				30
4,4'-DDD (p,p') [2C]	BRL	U	µg/kg dry	15.2		BRL				30
Endosulfan sulfate	BRL	U	µg/kg dry	15.2		BRL				30
Endosulfan Sulfate [2C]	BRL	U	µg/kg dry	15.2		BRL				30
4,4'-DDT (p,p')	BRL	U	µg/kg dry	15.2		BRL				30
4,4'-DDT (p,p') [2C]	BRL	U	µg/kg dry	15.2		BRL				30
Methoxychlor	BRL	U	µg/kg dry	15.2		BRL				30
Methoxychlor [2C]	BRL	U	µg/kg dry	15.2		BRL				30
Endrin ketone	BRL	U	µg/kg dry	15.2		BRL				30
Endrin ketone [2C]	BRL	U	µg/kg dry	15.2		BRL				30
Endrin aldehyde	BRL	U	µg/kg dry	15.2		BRL				30
Endrin Aldehyde [2C]	BRL	U	µg/kg dry	15.2		BRL				30
alpha-Chlordane	BRL	U	µg/kg dry	15.2		BRL				30
alpha-Chlordane [2C]	BRL	U	µg/kg dry	15.2		BRL				30
gamma-Chlordane	BRL	U	µg/kg dry	15.2		BRL				30
gamma-Chlordane [2C]	BRL	U	µg/kg dry	15.2		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.4*		µg/kg dry		*30.4*		*54*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*17.3*		µg/kg dry		*30.4*		*57*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.4*		µg/kg dry		*30.4*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*31.9*		µg/kg dry		*30.4*		*105*	*30-150*		
Matrix Spike (7091050-MS1) **Source: SA68202-02**										
Prepared & Analyzed: 18-Sep-07										
alpha-BHC	30.3		µg/kg dry	15.5		BRL		30-150		
alpha-BHC [2C]	29.6		µg/kg dry	15.5		BRL		30-150		
beta-BHC	28.4		µg/kg dry	15.5		BRL		30-150		
beta-BHC [2C]	38.9		µg/kg dry	15.5		BRL		30-150		
delta-BHC	27.1		µg/kg dry	15.5		BRL		30-150		
delta-BHC [2C]	25.8		µg/kg dry	15.5		BRL		30-150		
gamma-BHC (Lindane)	30.9		µg/kg dry	15.5		BRL		46-127		
gamma-BHC (Lindane) [2C]	29.5		µg/kg dry	15.5		BRL		46-127		
Heptachlor	34.1		µg/kg dry	15.5	30.9	BRL	110	35-130		
Heptachlor [2C]	35.7		µg/kg dry	15.5		BRL		35-130		
Aldrin	31.2		µg/kg dry	15.5	30.9	BRL	101	34-132		
Aldrin [2C]	33.2		µg/kg dry	15.5		BRL		34-132		
Heptachlor epoxide	32.2		µg/kg dry	15.5	30.9	BRL	104	30-150		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091050 - SW846 3550B										
Matrix Spike (7091050-MS1) **Source: SA68202-02**										
Prepared & Analyzed: 18-Sep-07										
Heptachlor Epoxide [2C]	34.7		µg/kg dry	15.5		BRL		30-150		
Endosulfan I	33.8		µg/kg dry	15.5	30.9	BRL	109	30-150		
Endosulfan I [2C]	34.1		µg/kg dry	15.5		BRL		30-150		
Dieldrin	31.6		µg/kg dry	15.5	30.9	BRL	102	31-134		
Dieldrin [2C]	33.2		µg/kg dry	15.5		BRL		31-134		
4,4'-DDE (p,p')	31.8		µg/kg dry	15.5	30.9	BRL	103	30-150		
4,4'-DDE (p,p') [2C]	33.7		µg/kg dry	15.5		BRL		30-150		
Endrin	31.2		µg/kg dry	15.5	30.9	BRL	101	42-139		
Endrin [2C]	35.3		µg/kg dry	15.5		BRL		42-139		
Endosulfan II	32.1		µg/kg dry	15.5	30.9	BRL	104	30-150		
Endosulfan II [2C]	34.9		µg/kg dry	15.5		BRL		30-150		
4,4'-DDD (p,p')	31.4		µg/kg dry	15.5	30.9	BRL	101	30-150		
4,4'-DDD (p,p') [2C]	33.6		µg/kg dry	15.5		BRL		30-150		
Endosulfan sulfate	31.4		µg/kg dry	15.5	30.9	BRL	102	30-150		
Endosulfan Sulfate [2C]	32.3		µg/kg dry	15.5		BRL		30-150		
4,4'-DDT (p,p')	31.8		µg/kg dry	15.5	30.9	BRL	103	23-134		
4,4'-DDT (p,p') [2C]	37.0		µg/kg dry	15.5		BRL		23-134		
Methoxychlor	29.8		µg/kg dry	15.5	30.9	BRL	96	30-150		
Methoxychlor [2C]	37.2		µg/kg dry	15.5		BRL		30-150		
Endrin ketone	29.7		µg/kg dry	15.5	30.9	BRL	96	30-150		
Endrin ketone [2C]	35.3		µg/kg dry	15.5		BRL		30-150		
Endrin aldehyde	27.2		µg/kg dry	15.5	30.9	BRL	88	30-150		
Endrin Aldehyde [2C]	26.0		µg/kg dry	15.5		BRL		30-150		
alpha-Chlordane	31.7		µg/kg dry	15.5	30.9	BRL	103	30-150		
alpha-Chlordane [2C]	34.6		µg/kg dry	15.5		BRL		30-150		
gamma-Chlordane	31.3		µg/kg dry	15.5	30.9	BRL	101	30-150		
gamma-Chlordane [2C]	36.0		µg/kg dry	15.5		BRL		30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.4*		µg/kg dry		*30.9*		*73*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*18.6*		µg/kg dry		*30.9*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.8*		µg/kg dry		*30.9*		*77*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*32.8*		µg/kg dry		*30.9*		*106*	*30-150*		
Matrix Spike Dup (7091050-MSD1) **Source: SA68202-02**										
Prepared & Analyzed: 18-Sep-07										
alpha-BHC	28.1		µg/kg dry	15.3		BRL		30-150		30
alpha-BHC [2C]	28.9		µg/kg dry	15.3		BRL		30-150		30
beta-BHC	27.3		µg/kg dry	15.3		BRL		30-150		30
beta-BHC [2C]	38.1		µg/kg dry	15.3		BRL		30-150		30
delta-BHC	24.0		µg/kg dry	15.3		BRL		30-150		30
delta-BHC [2C]	25.8		µg/kg dry	15.3		BRL		30-150		30
gamma-BHC (Lindane)	29.2		µg/kg dry	15.3		BRL		46-127		50
gamma-BHC (Lindane) [2C]	29.5		µg/kg dry	15.3		BRL		46-127		50
Heptachlor	32.3		µg/kg dry	15.3	30.7	BRL	105	35-130	4	31
Heptachlor [2C]	32.6		µg/kg dry	15.3		BRL		35-130		31
Aldrin	29.8		µg/kg dry	15.3	30.7	BRL	97	34-132	4	43
Aldrin [2C]	31.8		µg/kg dry	15.3		BRL		34-132		43
Heptachlor epoxide	30.5		µg/kg dry	15.3	30.7	BRL	100	30-150	5	30
Heptachlor Epoxide [2C]	32.6		µg/kg dry	15.3		BRL		30-150		30
Endosulfan I	32.5		µg/kg dry	15.3	30.7	BRL	106	30-150	3	30
Endosulfan I [2C]	32.6		µg/kg dry	15.3		BRL		30-150		30
Dieldrin	30.3		µg/kg dry	15.3	30.7	BRL	99	31-134	4	38

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091050 - SW846 3550B										
Matrix Spike Dup (7091050-MSD1) **Source: SA68202-02**										
Prepared & Analyzed: 18-Sep-07										
Dieldrin [2C]	33.2		µg/kg dry	15.3		BRL		31-134		38
4,4'-DDE (p,p')	30.0		µg/kg dry	15.3	30.7	BRL	98	30-150	5	30
4,4'-DDE (p,p') [2C]	33.5		µg/kg dry	15.3		BRL		30-150		30
Endrin	30.4		µg/kg dry	15.3	30.7	BRL	99	42-139	2	45
Endrin [2C]	35.3		µg/kg dry	15.3		BRL		42-139		45
Endosulfan II	31.4		µg/kg dry	15.3	30.7	BRL	102	30-150	1	30
Endosulfan II [2C]	34.7		µg/kg dry	15.3		BRL		30-150		30
4,4'-DDD (p,p')	28.9		µg/kg dry	15.3	30.7	BRL	94	30-150	8	30
4,4'-DDD (p,p') [2C]	33.0		µg/kg dry	15.3		BRL		30-150		30
Endosulfan sulfate	28.2		µg/kg dry	15.3	30.7	BRL	92	30-150	10	30
Endosulfan Sulfate [2C]	32.0		µg/kg dry	15.3		BRL		30-150		30
4,4'-DDT (p,p')	29.4		µg/kg dry	15.3	30.7	BRL	96	23-134	7	50
4,4'-DDT (p,p') [2C]	37.9		µg/kg dry	15.3		BRL		23-134		50
Methoxychlor	27.8		µg/kg dry	15.3	30.7	BRL	91	30-150	6	30
Methoxychlor [2C]	36.7		µg/kg dry	15.3		BRL		30-150		30
Endrin ketone	28.3		µg/kg dry	15.3	30.7	BRL	92	30-150	4	30
Endrin ketone [2C]	35.3		µg/kg dry	15.3		BRL		30-150		30
Endrin aldehyde	26.3		µg/kg dry	15.3	30.7	BRL	86	30-150	3	30
Endrin Aldehyde [2C]	26.1		µg/kg dry	15.3		BRL		30-150		30
alpha-Chlordane	32.1		µg/kg dry	15.3	30.7	BRL	105	30-150	2	30
alpha-Chlordane [2C]	33.4		µg/kg dry	15.3		BRL		30-150		30
gamma-Chlordane	30.0		µg/kg dry	15.3	30.7	BRL	98	30-150	3	30
gamma-Chlordane [2C]	33.8		µg/kg dry	15.3		BRL		30-150		30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.2*		µg/kg dry		*30.7*		*69*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*16.9*		µg/kg dry		*30.7*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.0*		µg/kg dry		*30.7*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*32.0*		µg/kg dry		*30.7*		*104*	*30-150*		
Batch 7091184 - SW846 3535										
Blank (7091184-BLK1)										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
2,4-D	BRL	U	µg/l	0.100						
2,4,5-TP (Silvex)	BRL	U	µg/l	0.100						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.109*		µg/l		*0.200*		*54*	*30-150*		
LCS (7091184-BS1)										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
2,4-D	0.200		µg/l	0.100	0.500		40	40-140		
2,4,5-TP (Silvex)	0.350		µg/l	0.100	0.500		70	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.109*		µg/l		*0.200*		*54*	*30-150*		
LCS Dup (7091184-BSD1)										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
2,4-D	0.202		µg/l	0.100	0.500		40	40-140	1	25
2,4,5-TP (Silvex)	0.359		µg/l	0.100	0.500		72	40-140	3	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.114*		µg/l		*0.200*		*57*	*30-150*		
Duplicate (7091184-DUP1) **Source: SA68202-03**										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
2,4-D	BRL	U	µg/l	0.100		BRL				30
2,4,5-TP (Silvex)	BRL	U	µg/l	0.100		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.104*		µg/l		*0.229*		*46*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091186 - SW846 3535										
Blank (7091186-BLK1)										
Prepared & Analyzed: 19-Sep-07										
Chlordane	BRL	U	µg/l	0.200						
Endrin	BRL	U	µg/l	0.040						
Heptachlor	BRL	U	µg/l	0.040						
Heptachlor Epoxide	BRL	U	µg/l	0.040						
g-BHC (Lindane)	BRL	U	µg/l	0.040						
Methoxychlor	BRL	U	µg/l	0.040						
Toxaphene	BRL	U	µg/l	0.200						
4,4'-DDD (p,p')	BRL	U	µg/l	0.040						
4,4'-DDE (p,p')	BRL	U	µg/l	0.040						
4,4'-DDT (p,p')	BRL	U	µg/l	0.040						
Dieldrin	BRL	U	µg/l	0.040						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0291*		µg/l		*0.0800*		*36*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0512*		µg/l		*0.0800*		*64*	*30-150*		
LCS (7091186-BS1)										
Prepared & Analyzed: 19-Sep-07										
Chlordane	BRL	U	µg/l	0.200				40-140		
Endrin	0.070		µg/l	0.040	0.0800		87	40-140		
Heptachlor	0.064		µg/l	0.040	0.0800		81	40-140		
Heptachlor Epoxide	0.066		µg/l	0.040	0.0800		82	40-140		
g-BHC (Lindane)	0.062		µg/l	0.040	0.0800		78	40-140		
Methoxychlor	0.064		µg/l	0.040	0.0800		79	40-140		
Toxaphene	BRL	U	µg/l	0.200				40-140		
4,4'-DDD (p,p')	0.068		µg/l	0.040	0.0800		85	40-140		
4,4'-DDE (p,p')	0.068		µg/l	0.040	0.0800		84	40-140		
4,4'-DDT (p,p')	0.070		µg/l	0.040	0.0800		87	40-140		
Dieldrin	0.070		µg/l	0.040	0.0800		88	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0320*		µg/l		*0.0800*		*40*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0539*		µg/l		*0.0800*		*67*	*30-150*		
LCS Dup (7091186-BSD1)										
Prepared & Analyzed: 19-Sep-07										
Chlordane	BRL	U	µg/l	0.200				40-140		30
Endrin	0.070		µg/l	0.040	0.0800		87	40-140	0.1	30
Heptachlor	0.065		µg/l	0.040	0.0800		82	40-140	1	30
Heptachlor Epoxide	0.066		µg/l	0.040	0.0800		82	40-140	0.6	30
g-BHC (Lindane)	0.061		µg/l	0.040	0.0800		77	40-140	2	30
Methoxychlor	0.066		µg/l	0.040	0.0800		82	40-140	4	30
Toxaphene	BRL	U	µg/l	0.200				40-140		30
4,4'-DDD (p,p')	0.068		µg/l	0.040	0.0800		85	40-140	0.8	30
4,4'-DDE (p,p')	0.066		µg/l	0.040	0.0800		83	40-140	2	30
4,4'-DDT (p,p')	0.068		µg/l	0.040	0.0800		86	40-140	2	30
Dieldrin	0.068		µg/l	0.040	0.0800		85	40-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0311*		µg/l		*0.0800*		*39*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0553*		µg/l		*0.0800*		*69*	*30-150*		
Duplicate (7091186-DUP1) **Source: SA68202-03**										
Prepared & Analyzed: 19-Sep-07										
Chlordane	BRL	U	µg/l	0.400		BRL				30
Endrin	BRL	U	µg/l	0.080		BRL				30
Heptachlor	BRL	U	µg/l	0.080		BRL				30
Heptachlor Epoxide	BRL	U	µg/l	0.080		BRL				30
g-BHC (Lindane)	BRL	U	µg/l	0.080		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091186 - SW846 3535										
Duplicate (7091186-DUP1) **Source: SA68202-03**										
Prepared & Analyzed: 19-Sep-07										
Methoxychlor	BRL	U	µg/l	0.080		BRL				30
Toxaphene	BRL	U	µg/l	0.400		BRL				30
4,4'-DDD (p,p')	BRL	U	µg/l	0.080		BRL				30
4,4'-DDE (p,p')	BRL	U	µg/l	0.080		BRL				30
4,4'-DDT (p,p')	BRL	U	µg/l	0.080		BRL				30
Dieldrin	BRL	U	µg/l	0.080		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0548*		µg/l		*0.160*		*34*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.101*		µg/l		*0.160*		*63*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091048 - SW846 3545A										
Blank (7091048-BLK1)										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Acenaphthene	BRL		µg/kg wet	330						
Acenaphthylene	BRL		µg/kg wet	330						
Aniline	BRL		µg/kg wet	330						
Anthracene	BRL		µg/kg wet	330						
Atrazine	BRL		µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL		µg/kg wet	330						
Benzidine	BRL		µg/kg wet	330						
Benzo (a) anthracene	BRL		µg/kg wet	330						
Benzo (a) pyrene	BRL		µg/kg wet	330						
Benzo (b) fluoranthene	BRL		µg/kg wet	330						
Benzo (g,h,i) perylene	BRL		µg/kg wet	330						
Benzo (k) fluoranthene	BRL		µg/kg wet	330						
Benzoic acid	BRL		µg/kg wet	330						
Benzyl alcohol	BRL		µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL		µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL		µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL		µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL		µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL		µg/kg wet	330						
Butyl benzyl phthalate	BRL		µg/kg wet	330						
Carbazole	BRL		µg/kg wet	330						
4-Chloro-3-methylphenol	BRL		µg/kg wet	330						
4-Chloroaniline	BRL		µg/kg wet	330						
2-Chloronaphthalene	BRL		µg/kg wet	330						
2-Chlorophenol	BRL		µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL		µg/kg wet	330						
Chrysene	BRL		µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL		µg/kg wet	330						
Dibenzofuran	BRL		µg/kg wet	330						
1,2-Dichlorobenzene	BRL		µg/kg wet	330						
1,3-Dichlorobenzene	BRL		µg/kg wet	330						
1,4-Dichlorobenzene	BRL		µg/kg wet	330						
3,3´-Dichlorobenzidine	BRL		µg/kg wet	330						
2,4-Dichlorophenol	BRL		µg/kg wet	330						
Diethyl phthalate	BRL		µg/kg wet	330						
Dimethyl phthalate	BRL		µg/kg wet	330						
2,4-Dimethylphenol	BRL		µg/kg wet	330						
Di-n-butyl phthalate	BRL		µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL		µg/kg wet	330						
2,4-Dinitrophenol	BRL		µg/kg wet	330						
2,4-Dinitrotoluene	BRL		µg/kg wet	330						
2,6-Dinitrotoluene	BRL		µg/kg wet	330						
Di-n-octyl phthalate	BRL		µg/kg wet	330						
Fluoranthene	BRL		µg/kg wet	330						
Fluorene	BRL		µg/kg wet	330						
Hexachlorobenzene	BRL		µg/kg wet	330						
Hexachlorobutadiene	BRL		µg/kg wet	330						
Hexachlorocyclopentadiene	BRL		µg/kg wet	330						
Hexachloroethane	BRL		µg/kg wet	330						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091048 - SW846 3545A										
Blank (7091048-BLK1)										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Indeno (1,2,3-cd) pyrene	BRL		µg/kg wet	330						
Isophorone	BRL		µg/kg wet	330						
1-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylnaphthalene	BRL		µg/kg wet	330						
2-Methylphenol	BRL		µg/kg wet	330						
3,4-Methylphenol	BRL		µg/kg wet	330						
Naphthalene	BRL		µg/kg wet	330						
2-Nitroaniline	BRL		µg/kg wet	330						
3-Nitroaniline	BRL		µg/kg wet	330						
4-Nitroaniline	BRL		µg/kg wet	1320						
Nitrobenzene	BRL		µg/kg wet	330						
2-Nitrophenol	BRL		µg/kg wet	330						
4-Nitrophenol	BRL		µg/kg wet	1320						
N-Nitrosodimethylamine	BRL		µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL		µg/kg wet	330						
N-Nitrosodiphenylamine	BRL		µg/kg wet	330						
Pentachlorophenol	BRL		µg/kg wet	1320						
Phenanthrene	BRL		µg/kg wet	330						
Phenol	BRL		µg/kg wet	330						
Pyrene	BRL		µg/kg wet	330						
Pyridine	BRL		µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL		µg/kg wet	330						
2,4,5-Trichlorophenol	BRL		µg/kg wet	330						
2,4,6-Trichlorophenol	BRL		µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*1890*		µg/kg wet		*3330*		*57*	*30-130*		
Surrogate: 2-Fluorophenol	*1950*		µg/kg wet		*3330*		*58*	*15-110*		
Surrogate: Nitrobenzene-d5	*1980*		µg/kg wet		*3330*		*59*	*30-130*		
Surrogate: Phenol-d5	*1910*		µg/kg wet		*3330*		*57*	*15-110*		
Surrogate: Terphenyl-dl4	*1740*		µg/kg wet		*3330*		*52*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2110*		µg/kg wet		*3330*		*63*	*15-110*		
LCS (7091048-BS1)										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Acenaphthene	2480		µg/kg wet	330	3330		74	40-130		
Acenaphthylene	2290		µg/kg wet	330	3330		69	40-130		
Aniline	307	QC2	µg/kg wet	330	3330		9	40-130		
Anthracene	2080		µg/kg wet	330	3330		62	40-130		
Atrazine	1120	QC2	µg/kg wet	330	3330		34	40-130		
Azobenzene/Diphenyldiazine	2110		µg/kg wet	330	3330		63	40-130		
Benzidine	BRL		µg/kg wet	330	3330			0-178		
Benzo (a) anthracene	2530		µg/kg wet	330	3330		76	40-130		
Benzo (a) pyrene	2270		µg/kg wet	330	3330		68	40-130		
Benzo (b) fluoranthene	2750		µg/kg wet	330	3330		83	40-130		
Benzo (g,h,i) perylene	2270		µg/kg wet	330	3330		68	40-130		
Benzo (k) fluoranthene	1510		µg/kg wet	330	3330		45	40-130		
Benzoic acid	2580		µg/kg wet	330	3330		77	0-130		
Benzyl alcohol	2050		µg/kg wet	330	3330		62	40-130		
Bis(2-chloroethoxy)methane	2490		µg/kg wet	330	3330		75	40-130		
Bis(2-chloroethyl)ether	2340		µg/kg wet	330	3330		70	40-130		
Bis(2-chloroisopropyl)ether	2260		µg/kg wet	330	3330		68	40-130		
Bis(2-ethylhexyl)phthalate	2440		µg/kg wet	330	3330		73	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091048 - SW846 3545A										
LCS (7091048-BS1)										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
4-Bromophenyl phenyl ether	2400		µg/kg wet	330	3330		72	40-130		
Butyl benzyl phthalate	2360		µg/kg wet	330	3330		71	40-130		
Carbazole	2220		µg/kg wet	330	3330		67	40-130		
4-Chloro-3-methylphenol	2620		µg/kg wet	330	3330		79	40-130		
4-Chloroaniline	999	QC2	µg/kg wet	330	3330		30	40-130		
2-Chloronaphthalene	2290		µg/kg wet	330	3330		69	40-130		
2-Chlorophenol	2320		µg/kg wet	330	3330		70	40-130		
4-Chlorophenyl phenyl ether	2010		µg/kg wet	330	3330		60	40-130		
Chrysene	2190		µg/kg wet	330	3330		66	40-130		
Dibenzo (a,h) anthracene	2320		µg/kg wet	330	3330		70	40-130		
Dibenzofuran	2260		µg/kg wet	330	3330		68	40-130		
1,2-Dichlorobenzene	2270		µg/kg wet	330	3330		68	40-130		
1,3-Dichlorobenzene	2240		µg/kg wet	330	3330		67	40-130		
1,4-Dichlorobenzene	2200		µg/kg wet	330	3330		66	40-130		
3,3´-Dichlorobenzidine	1350		µg/kg wet	330	3330		41	40-130		
2,4-Dichlorophenol	2420		µg/kg wet	330	3330		73	40-130		
Diethyl phthalate	2310		µg/kg wet	330	3330		69	40-130		
Dimethyl phthalate	2290		µg/kg wet	330	3330		69	40-130		
2,4-Dimethylphenol	2460		µg/kg wet	330	3330		74	40-130		
Di-n-butyl phthalate	2260		µg/kg wet	330	3330		68	40-130		
4,6-Dinitro-2-methylphenol	2030		µg/kg wet	330	3330		61	40-130		
2,4-Dinitrophenol	1940		µg/kg wet	330	3330		58	40-130		
2,4-Dinitrotoluene	2280		µg/kg wet	330	3330		68	40-130		
2,6-Dinitrotoluene	2220		µg/kg wet	330	3330		67	40-130		
Di-n-octyl phthalate	2330		µg/kg wet	330	3330		70	40-130		
Fluoranthene	2260		µg/kg wet	330	3330		68	40-130		
Fluorene	2090		µg/kg wet	330	3330		63	40-130		
Hexachlorobenzene	2290		µg/kg wet	330	3330		69	40-130		
Hexachlorobutadiene	2260		µg/kg wet	330	3330		68	40-130		
Hexachlorocyclopentadiene	2130		µg/kg wet	330	3330		64	40-130		
Hexachloroethane	2010		µg/kg wet	330	3330		60	40-130		
Indeno (1,2,3-cd) pyrene	2480		µg/kg wet	330	3330		74	40-130		
1-Methylnaphthalene	2270		µg/kg wet	330	3330		68	40-140		
Isophorone	2290		µg/kg wet	330	3330		69	40-130		
2-Methylnaphthalene	2280		µg/kg wet	330	3330		68	40-130		
2-Methylphenol	2520		µg/kg wet	330	3330		76	40-130		
3,4-Methylphenol	2470		µg/kg wet	330	3330		74	40-130		
Naphthalene	2230		µg/kg wet	330	3330		67	40-130		
2-Nitroaniline	2230		µg/kg wet	330	3330		67	40-130		
3-Nitroaniline	1230	QC2	µg/kg wet	330	3330		37	40-130		
4-Nitroaniline	2190		µg/kg wet	1320	3330		66	40-130		
Nitrobenzene	2400		µg/kg wet	330	3330		72	40-130		
2-Nitrophenol	2350		µg/kg wet	330	3330		70	40-130		
4-Nitrophenol	2370		µg/kg wet	1320	3330		71	40-130		
N-Nitrosodimethylamine	2740		µg/kg wet	330	3330		82	40-130		
N-Nitrosodi-n-propylamine	2120		µg/kg wet	330	3330		64	40-130		
N-Nitrosodiphenylamine	2330		µg/kg wet	330	3330		70	40-130		
Pentachlorophenol	2440		µg/kg wet	1320	3330		73	40-130		
Phenanthrene	2530		µg/kg wet	330	3330		76	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091048 - SW846 3545A										
LCS (7091048-BS1)										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Phenol	2490		µg/kg wet	330	3330		75	40-130		
Pyrene	2280		µg/kg wet	330	3330		68	40-130		
Pyridine	686	QC2	µg/kg wet	330	3330		21	40-130		
1,2,4-Trichlorobenzene	2290		µg/kg wet	330	3330		69	40-130		
2,4,5-Trichlorophenol	2310		µg/kg wet	330	3330		69	40-130		
2,4,6-Trichlorophenol	2080		µg/kg wet	330	3330		62	40-130		
Surrogate: 2-Fluorobiphenyl	*2110*		µg/kg wet		*6670*		*32*	*30-130*		
Surrogate: 2-Fluorophenol	*2290*		µg/kg wet		*6670*		*34*	*15-110*		
Surrogate: Nitrobenzene-d5	*2390*		µg/kg wet		*6670*		*36*	*30-130*		
Surrogate: Phenol-d5	*1930*		µg/kg wet		*6670*		*29*	*15-110*		
Surrogate: Terphenyl-dl4	*2270*		µg/kg wet		*6670*		*34*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2380*		µg/kg wet		*6670*		*36*	*15-110*		
Duplicate (7091048-DUP1) **Source: SA68202-02**										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Acenaphthene	BRL		µg/kg dry	264		BRL				50
Acenaphthylene	BRL		µg/kg dry	264		BRL				50
Aniline	BRL		µg/kg dry	264		BRL				50
Anthracene	BRL		µg/kg dry	264		BRL				50
Atrazine	BRL		µg/kg dry	264		0.00				50
Azobenzene/Diphenyldiazine	BRL		µg/kg dry	264		BRL				50
Benzidine	BRL		µg/kg dry	264		BRL				50
Benzo (a) anthracene	BRL		µg/kg dry	264		BRL				50
Benzo (a) pyrene	BRL		µg/kg dry	264		BRL				50
Benzo (b) fluoranthene	BRL		µg/kg dry	264		BRL				50
Benzo (g,h,i) perylene	BRL		µg/kg dry	264		BRL				50
Benzo (k) fluoranthene	BRL		µg/kg dry	264		BRL				50
Benzoic acid	BRL		µg/kg dry	264		BRL				50
Benzyl alcohol	BRL		µg/kg dry	264		BRL				50
Bis(2-chloroethoxy)methane	BRL		µg/kg dry	264		BRL				50
Bis(2-chloroethyl)ether	BRL		µg/kg dry	264		BRL				50
Bis(2-chloroisopropyl)ether	BRL		µg/kg dry	264		BRL				50
Bis(2-ethylhexyl)phthalate	BRL		µg/kg dry	264		BRL				50
4-Bromophenyl phenyl ether	BRL		µg/kg dry	264		BRL				50
Butyl benzyl phthalate	BRL		µg/kg dry	264		BRL				50
Carbazole	BRL		µg/kg dry	264		BRL				50
4-Chloro-3-methylphenol	BRL		µg/kg dry	264		BRL				50
4-Chloroaniline	BRL		µg/kg dry	264		BRL				50
2-Chloronaphthalene	BRL		µg/kg dry	264		BRL				50
2-Chlorophenol	BRL		µg/kg dry	264		BRL				50
4-Chlorophenyl phenyl ether	BRL		µg/kg dry	264		BRL				50
Chrysene	BRL		µg/kg dry	264		BRL				50
Dibenzo (a,h) anthracene	BRL		µg/kg dry	264		BRL				50
Dibenzofuran	BRL		µg/kg dry	264		BRL				50
1,2-Dichlorobenzene	BRL		µg/kg dry	264		BRL				50
1,3-Dichlorobenzene	BRL		µg/kg dry	264		BRL				50
1,4-Dichlorobenzene	BRL		µg/kg dry	264		BRL				50
3,3´-Dichlorobenzidine	BRL		µg/kg dry	264		BRL				50
2,4-Dichlorophenol	BRL		µg/kg dry	264		BRL				50
Diethyl phthalate	BRL		µg/kg dry	264		BRL				50
Dimethyl phthalate	BRL		µg/kg dry	264		BRL				50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091048 - SW846 3545A										
Duplicate (7091048-DUP1) **Source: SA68202-02**										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
2,4-Dimethylphenol	BRL		µg/kg dry	264		BRL				50
Di-n-butyl phthalate	BRL		µg/kg dry	264		BRL				50
4,6-Dinitro-2-methylphenol	BRL		µg/kg dry	264		BRL				50
2,4-Dinitrophenol	BRL		µg/kg dry	264		BRL				50
2,4-Dinitrotoluene	BRL		µg/kg dry	264		BRL				50
2,6-Dinitrotoluene	BRL		µg/kg dry	264		BRL				50
Di-n-octyl phthalate	BRL		µg/kg dry	264		BRL				50
Fluoranthene	BRL		µg/kg dry	264		BRL				50
Fluorene	BRL		µg/kg dry	264		BRL				50
Hexachlorobenzene	BRL		µg/kg dry	264		BRL				50
Hexachlorobutadiene	BRL		µg/kg dry	264		BRL				50
Hexachlorocyclopentadiene	BRL		µg/kg dry	264		BRL				50
Hexachloroethane	BRL		µg/kg dry	264		BRL				50
Indeno (1,2,3-cd) pyrene	BRL		µg/kg dry	264		BRL				50
Isophorone	BRL		µg/kg dry	264		BRL				50
1-Methylnaphthalene	BRL		µg/kg dry	264		BRL				50
2-Methylnaphthalene	BRL		µg/kg dry	264		BRL				50
2-Methylphenol	BRL		µg/kg dry	264		BRL				50
3,4-Methylphenol	BRL		µg/kg dry	264		BRL				50
Naphthalene	BRL		µg/kg dry	264		BRL				50
2-Nitroaniline	BRL		µg/kg dry	264		BRL				50
3-Nitroaniline	BRL		µg/kg dry	264		BRL				50
4-Nitroaniline	BRL		µg/kg dry	1060		BRL				50
Nitrobenzene	BRL		µg/kg dry	264		BRL				50
2-Nitrophenol	BRL		µg/kg dry	264		BRL				50
4-Nitrophenol	BRL		µg/kg dry	1060		BRL				50
N-Nitrosodimethylamine	BRL		µg/kg dry	264		BRL				50
N-Nitrosodi-n-propylamine	BRL		µg/kg dry	264		BRL				50
N-Nitrosodiphenylamine	BRL		µg/kg dry	264		BRL				50
Pentachlorophenol	BRL		µg/kg dry	1060		BRL				50
Phenanthrene	BRL		µg/kg dry	264		BRL				50
Phenol	BRL		µg/kg dry	264		BRL				50
Pyrene	BRL		µg/kg dry	264		BRL				50
Pyridine	BRL		µg/kg dry	264		BRL				50
1,2,4-Trichlorobenzene	BRL		µg/kg dry	264		BRL				50
2,4,5-Trichlorophenol	BRL		µg/kg dry	264		BRL				50
2,4,6-Trichlorophenol	BRL		µg/kg dry	264		BRL				50
Surrogate: 2-Fluorobiphenyl	*1660*		µg/kg dry		*2670*		*62*	*30-130*		
Surrogate: 2-Fluorophenol	*1690*		µg/kg dry		*2670*		*63*	*15-110*		
Surrogate: Nitrobenzene-d5	*1680*		µg/kg dry		*2670*		*63*	*30-130*		
Surrogate: Phenol-d5	*1670*		µg/kg dry		*2670*		*63*	*15-110*		
Surrogate: Terphenyl-dl4	*1550*		µg/kg dry		*2670*		*58*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1840*		µg/kg dry		*2670*		*69*	*15-110*		
Matrix Spike (7091048-MS1) **Source: SA68202-02**										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Acenaphthene	1650		µg/kg dry	259	2610	BRL	63	40-140		
4-Chloro-3-methylphenol	3260		µg/kg dry	259	5230	BRL	62	30-130		
2-Chlorophenol	2980		µg/kg dry	259	5230	BRL	57	30-130		
1,4-Dichlorobenzene	1440		µg/kg dry	259	2610	BRL	55	40-140		
2,4-Dinitrotoluene	1600		µg/kg dry	259	2610	BRL	61	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091048 - SW846 3545A										
Matrix Spike (7091048-MS1) **Source: SA68202-02**										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
4-Nitrophenol	3340		µg/kg dry	1030	5230	BRL	64	30-130		
N-Nitrosodi-n-propylamine	1830		µg/kg dry	259	2610	BRL	70	40-140		
Pentachlorophenol	3650		µg/kg dry	1030	5230	BRL	70	30-130		
Phenol	3040		µg/kg dry	259	5230	BRL	58	30-130		
Pyrene	1460		µg/kg dry	259	2610	BRL	56	40-140		
1,2,4-Trichlorobenzene	1460		µg/kg dry	259	2610	BRL	56	40-140		
Surrogate: 2-Fluorobiphenyl	*1460*		µg/kg dry		*2610*		*56*	*30-130*		
Surrogate: 2-Fluorophenol	*1420*		µg/kg dry		*2610*		*55*	*15-110*		
Surrogate: Nitrobenzene-d5	*1550*		µg/kg dry		*2610*		*59*	*30-130*		
Surrogate: Phenol-d5	*1320*		µg/kg dry		*2610*		*50*	*15-110*		
Surrogate: Terphenyl-dl4	*1420*		µg/kg dry		*2610*		*54*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1690*		µg/kg dry		*2610*		*65*	*15-110*		
Matrix Spike Dup (7091048-MSD1) **Source: SA68202-02**										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Acenaphthene	1780		µg/kg dry	265	2680	BRL	66	40-140	5	30
4-Chloro-3-methylphenol	3580		µg/kg dry	265	5360	BRL	67	30-130	7	30
2-Chlorophenol	3180		µg/kg dry	265	5360	BRL	59	30-130	4	30
1,4-Dichlorobenzene	1540		µg/kg dry	265	2680	BRL	57	40-140	4	30
2,4-Dinitrotoluene	1800		µg/kg dry	265	2680	BRL	67	40-140	9	30
4-Nitrophenol	3860		µg/kg dry	1060	5360	BRL	72	30-130	12	30
N-Nitrosodi-n-propylamine	1980		µg/kg dry	265	2680	BRL	74	40-140	6	30
Pentachlorophenol	4070		µg/kg dry	1060	5360	BRL	76	30-130	8	30
Phenol	3270		µg/kg dry	265	5360	BRL	61	30-130	5	30
Pyrene	1630		µg/kg dry	265	2680	BRL	61	40-140	8	30
1,2,4-Trichlorobenzene	1600		µg/kg dry	265	2680	BRL	60	40-140	6	30
Surrogate: 2-Fluorobiphenyl	*1630*		µg/kg dry		*2680*		*61*	*30-130*		
Surrogate: 2-Fluorophenol	*1580*		µg/kg dry		*2680*		*59*	*15-110*		
Surrogate: Nitrobenzene-d5	*1740*		µg/kg dry		*2680*		*65*	*30-130*		
Surrogate: Phenol-d5	*1470*		µg/kg dry		*2680*		*55*	*15-110*		
Surrogate: Terphenyl-dl4	*1620*		µg/kg dry		*2680*		*61*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1960*		µg/kg dry		*2680*		*73*	*15-110*		
Batch 7091187 - SW846 3535										
Blank (7091187-BLK1)										
Prepared & Analyzed: 19-Sep-07										
1,4-Dichlorobenzene	BRL	U	µg/l	5.00						
2,4-Dinitrotoluene	BRL	U	µg/l	5.00						
Hexachlorobenzene	BRL	U	µg/l	5.00						
Hexachlorobutadiene	BRL	U	µg/l	5.00						
Hexachloroethane	BRL	U	µg/l	5.00						
2-Methylphenol	BRL	U	µg/l	5.00						
3,4-Methylphenol	BRL	U	µg/l	10.0						
Nitrobenzene	BRL	U	µg/l	5.00						
Pentachlorophenol	BRL	U	µg/l	5.00						
Pyridine	BRL	U	µg/l	5.00						
2,4,5-Trichlorophenol	BRL	U	µg/l	5.00						
2,4,6-Trichlorophenol	BRL	U	µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*139*		µg/l		*200*		*70*	*30-130*		
Surrogate: 2-Fluorophenol	*148*		µg/l		*200*		*74*	*15-110*		
Surrogate: Nitrobenzene-d5	*141*		µg/l		*200*		*71*	*30-130*		
Surrogate: Terphenyl-dl4	*129*		µg/l		*200*		*65*	*30-130*		
LCS (7091187-BS1)										

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091187 - SW846 3535										
Prepared & Analyzed: 19-Sep-07										
1,4-Dichlorobenzene	152		µg/l	5.00	200		76	40-140		
2,4-Dinitrotoluene	166		µg/l	5.00	200		83	40-140		
Hexachlorobenzene	167		µg/l	5.00	200		84	40-140		
Hexachlorobutadiene	161		µg/l	5.00	200		80	40-140		
Hexachloroethane	138		µg/l	5.00	200		69	40-140		
2-Methylphenol	175		µg/l	5.00	200		88	30-130		
3,4-Methylphenol	173		µg/l	10.0	200		87	40-130		
Nitrobenzene	171		µg/l	5.00	200		85	40-140		
Pentachlorophenol	201		µg/l	5.00	200		101	30-130		
Pyridine	144		µg/l	5.00	200		72	40-140		
2,4,5-Trichlorophenol	197		µg/l	5.00	200		99	30-130		
2,4,6-Trichlorophenol	145		µg/l	5.00	200		72	30-130		
Surrogate: 2-Fluorobiphenyl	*144*		µg/l		*200*		*72*	*30-130*		
Surrogate: 2-Fluorophenol	*146*		µg/l		*200*		*73*	*15-110*		
Surrogate: Nitrobenzene-d5	*154*		µg/l		*200*		*77*	*30-130*		
Surrogate: Terphenyl-dl4	*154*		µg/l		*200*		*77*	*30-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091089 - SW846 3050B										
Blank (7091089-BLK1)										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Zinc	0.752	J	mg/kg wet	0.971						
Vanadium	BRL	U	mg/kg wet	1.46						
Selenium	BRL	U	mg/kg wet	1.46						
Manganese	BRL	U	mg/kg wet	0.971						
Antimony	BRL	U	mg/kg wet	2.91						
Magnesium	0.218	J	mg/kg wet	4.85						
Potassium	BRL	U	mg/kg wet	48.5						
Sodium	BRL	U	mg/kg wet	24.3						
Iron	BRL	U	mg/kg wet	1.94						
Thallium	BRL	U	mg/kg wet	2.91						
Nickel	BRL	U	mg/kg wet	0.971						
Lead	BRL	U	mg/kg wet	1.46						
Arsenic	BRL	U	mg/kg wet	1.46						
Calcium	7.18	J	mg/kg wet	24.3						
Cadmium	BRL	U	mg/kg wet	0.485						
Cobalt	BRL	U	mg/kg wet	0.971						
Silver	BRL	U	mg/kg wet	1.46						
Chromium	BRL	U	mg/kg wet	0.971						
Copper	BRL	U	mg/kg wet	0.971						
Aluminum	BRL	U	mg/kg wet	1.94						
Beryllium	BRL	U	mg/kg wet	0.485						
Barium	BRL	U	mg/kg wet	0.971						
Duplicate (7091089-DUP1) **Source: SA68202-01**										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Manganese	304		mg/kg dry	1.04		303			0.1	20
Antimony	BRL	U	mg/kg dry	3.13		BRL				20
Lead	89.8	QR6	mg/kg dry	1.57		127			35	20
Selenium	1.60		mg/kg dry	1.57		1.56			3	20
Zinc	82.1		mg/kg dry	1.04		88.9			8	20
Vanadium	20.8		mg/kg dry	1.57		22.3			7	20
Iron	11500		mg/kg dry	2.09		11300			1	20
Magnesium	4060		mg/kg dry	5.22		4330			7	20
Potassium	1240		mg/kg dry	52.2		1330			8	20
Sodium	515		mg/kg dry	26.1		525			2	20
Nickel	36.5		mg/kg dry	1.04		37.3			2	20
Thallium	BRL	U	mg/kg dry	3.13		BRL				20
Copper	32.4		mg/kg dry	1.04		32.4			0.1	20
Calcium	7970		mg/kg dry	26.1		8650			8	20
Arsenic	4.66		mg/kg dry	1.57		5.20			11	20
Cobalt	7.01		mg/kg dry	1.04		7.02			0.1	20
Silver	BRL	U	mg/kg dry	1.57		BRL				20
Aluminum	6590		mg/kg dry	2.09		6770			3	20
Beryllium	0.355	J	mg/kg dry	0.522		0.324			9	20
Chromium	14.3		mg/kg dry	1.04		14.7			2	20
Cadmium	0.345	J	mg/kg dry	0.522		0.361			5	20
Barium	51.2		mg/kg dry	1.04		53.8			5	20
Matrix Spike (7091089-MS1) **Source: SA68202-04**										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Iron	12500	QM2	mg/kg dry	1.96	123	11400	938	75-125		

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091089 - SW846 3050B										
Matrix Spike (7091089-MS1) **Source: SA68202-04**										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Zinc	149		mg/kg dry	0.981	123	34.7	93	75-125		
Vanadium	149		mg/kg dry	1.47	123	17.5	107	75-125		
Sodium	2030	QM7	mg/kg dry	24.5	613	238	292	75-125		
Antimony	71.9	QM7	mg/kg dry	2.94	123	BRL	59	75-125		
Selenium	118		mg/kg dry	1.47	123	1.23	96	75-125		
Manganese	376	QM7	mg/kg dry	0.981	123	312	52	75-125		
Thallium	111		mg/kg dry	2.94	123	BRL	91	75-125		
Potassium	3870	QM7	mg/kg dry	49.0	1230	1040	230	75-125		
Magnesium	8710	QM2	mg/kg dry	4.90	123	12600	-3140	75-125		
Lead	121		mg/kg dry	1.47	123	5.62	94	75-125		
Nickel	166	QM7	mg/kg dry	0.981	123	82.6	68	75-125		
Arsenic	119		mg/kg dry	1.47	123	1.43	96	75-125		
Silver	65.6	QM7	mg/kg dry	1.47	123	BRL	54	75-125		
Cadmium	118		mg/kg dry	0.490	123	0.318	96	75-125		
Beryllium	117		mg/kg dry	0.490	123	0.328	95	75-125		
Cobalt	123		mg/kg dry	0.981	123	7.63	94	75-125		
Chromium	143		mg/kg dry	0.981	123	19.9	100	75-125		
Calcium	6730	QM2	mg/kg dry	24.5	613	5710	167	75-125		
Copper	142		mg/kg dry	0.981	123	14.3	105	75-125		
Aluminum	10200	QM2	mg/kg dry	1.96	123	5710	3700	75-125		
Barium	183		mg/kg dry	0.981	123	35.1	121	75-125		
Matrix Spike Dup (7091089-MSD1) **Source: SA68202-04**										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Manganese	358	QM7	mg/kg dry	1.01	126	312	36	75-125	5	35
Vanadium	155		mg/kg dry	1.51	126	17.5	109	75-125	4	35
Zinc	152		mg/kg dry	1.01	126	34.7	93	75-125	2	35
Sodium	1440	QM7	mg/kg dry	25.2	630	238	191	75-125	34	35
Antimony	89.4	QM7	mg/kg dry	3.03	126	BRL	71	75-125	22	35
Potassium	3020	QM7	mg/kg dry	50.4	1260	1040	157	75-125	24	35
Iron	10500	QM2	mg/kg dry	2.02	126	11400	-697	75-125	18	35
Thallium	115		mg/kg dry	3.03	126	BRL	92	75-125	4	35
Magnesium	5300	QM2	mg/kg dry	5.04	126	12600	-5760	75-125	49	35
Selenium	121		mg/kg dry	1.51	126	1.23	95	75-125	2	35
Lead	123		mg/kg dry	1.51	126	5.62	93	75-125	2	35
Nickel	146	QM7	mg/kg dry	1.01	126	82.6	50	75-125	13	35
Cadmium	121		mg/kg dry	0.504	126	0.318	96	75-125	3	35
Calcium	8570	QM2	mg/kg dry	25.2	630	5710	454	75-125	24	35
Cobalt	126		mg/kg dry	1.01	126	7.63	94	75-125	2	35
Silver	53.5	QM7	mg/kg dry	1.51	126	BRL	42	75-125	20	35
Chromium	139		mg/kg dry	1.01	126	19.9	94	75-125	3	35
Beryllium	122		mg/kg dry	0.504	126	0.328	96	75-125	4	35
Copper	158		mg/kg dry	1.01	126	14.3	114	75-125	11	35
Aluminum	7340	QM2	mg/kg dry	2.02	126	5710	1290	75-125	33	35
Arsenic	123		mg/kg dry	1.51	126	1.43	96	75-125	3	35
Barium	171		mg/kg dry	1.01	126	35.1	108	75-125	7	35
Post Spike (7091089-PS1) **Source: SA68202-04**										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Zinc	128	QC1	mg/kg dry	1.06	133	34.7	71	80-120		
Nickel	126	QC1	mg/kg dry	1.06	133	82.6	32	80-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091089 - SW846 3050B										
Post Spike (7091089-PS1) **Source: SA68202-04**										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Thallium	102	QC1	mg/kg dry	3.19	133	BRL	77	80-120		
Iron	6700	QM2	mg/kg dry	2.13	133	11400	-3530	80-120		
Potassium	1630	QC1	mg/kg dry	53.2	1330	1040	44	80-120		
Lead	107	QC1	mg/kg dry	1.60	133	5.62	76	80-120		
Selenium	104	QC1	mg/kg dry	1.60	133	1.23	77	80-120		
Magnesium	3550	QM2	mg/kg dry	5.32	133	12600	-6780	80-120		
Manganese	326	QC1	mg/kg dry	1.06	133	312	10	80-120		
Antimony	101	QC1	mg/kg dry	3.19	133	BRL	76	80-120		
Vanadium	115	QC1	mg/kg dry	1.60	133	17.5	74	80-120		
Sodium	715	QC1	mg/kg dry	26.6	665	238	72	80-120		
Aluminum	3510	QM2	mg/kg dry	2.13	133	5710	-1660	80-120		
Cobalt	107	QC1	mg/kg dry	1.06	133	7.63	75	80-120		
Arsenic	105	QC1	mg/kg dry	1.60	133	1.43	78	80-120		
Beryllium	103	QC1	mg/kg dry	0.532	133	0.328	77	80-120		
Calcium	5280	QM2	mg/kg dry	26.6	665	5710	-64	80-120		
Chromium	114	QC1	mg/kg dry	1.06	133	19.9	71	80-120		
Silver	91.5	QC1	mg/kg dry	1.60	133	BRL	69	80-120		
Copper	119	QC1	mg/kg dry	1.06	133	14.3	78	80-120		
Cadmium	105	QC1	mg/kg dry	0.532	133	0.318	79	80-120		
Barium	131	QC1	mg/kg dry	1.06	133	35.1	73	80-120		
Reference (7091089-SRM1)										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Thallium	95.6		mg/kg wet	3.00	93.2		103	77.2-122.3		
Nickel	81.9		mg/kg wet	1.00	78.5		104	82.6-117.4		
Selenium	85.0		mg/kg wet	1.50	83.6		102	77.6-123		
Vanadium	96.9		mg/kg wet	1.50	94.2		103	77.4-123.1		
Potassium	1650		mg/kg wet	50.0	1510		109	73.5-126.8		
Sodium	697		mg/kg wet	25.0	669		104	64-136.4		
Manganese	184		mg/kg wet	1.00	168		110	81.6-118.4		
Antimony	25.8		mg/kg wet	3.00	64.4		40	0-210		
Magnesium	1530		mg/kg wet	5.00	1420		108	78.2-121.8		
Lead	37.4		mg/kg wet	1.50	36.6		102	81.9-118.3		
Iron	7270		mg/kg wet	2.00	8410		86	57.2-142.8		
Zinc	188		mg/kg wet	1.00	175		107	78.9-120.8		
Beryllium	27.0		mg/kg wet	0.500	25.8		105	83.1-116.9		
Silver	45.4		mg/kg wet	1.50	63.8		71	66.4-134.1		
Chromium	74.5		mg/kg wet	1.00	72.0		104	81-119.7		
Calcium	3930		mg/kg wet	25.0	3700		106	80.7-119.3		
Arsenic	145		mg/kg wet	1.50	142		102	80.7-118.9		
Cobalt	58.9		mg/kg wet	1.00	55.7		106	82.2-118.2		
Aluminum	6260		mg/kg wet	2.00	5270		119	61.2-138.5		
Cadmium	93.4		mg/kg wet	0.500	92.2		101	81.9-118.1		
Copper	71.2		mg/kg wet	1.00	66.9		107	83.3-117.4		
Barium	276		mg/kg wet	1.00	263		105	82.7-117.1		
Reference (7091089-SRM2)										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Antimony	23.2		mg/kg wet	3.00	64.2		36	0-210		
Potassium	1500		mg/kg wet	50.0	1510		100	73.5-126.8		
Sodium	630		mg/kg wet	25.0	667		94	64-136.4		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091089 - SW846 3050B										
Reference (7091089-SRM2)										
Prepared: 18-Sep-07 Analyzed: 19-Sep-07										
Manganese	161		mg/kg wet	1.00	167		96	81.6-118.4		
Vanadium	89.0		mg/kg wet	1.50	94.0		95	77.4-123.1		
Nickel	74.0		mg/kg wet	1.00	78.4		94	82.6-117.4		
Iron	6900		mg/kg wet	2.00	8390		82	57.2-142.8		
Zinc	170		mg/kg wet	1.00	175		97	78.9-120.8		
Selenium	78.0		mg/kg wet	1.50	83.4		93	77.6-123		
Magnesium	1400		mg/kg wet	5.00	1420		99	78.2-121.8		
Thallium	89.0		mg/kg wet	3.00	93.0		96	77.2-122.3		
Lead	33.6		mg/kg wet	1.50	36.5		92	81.9-118.3		
Aluminum	5760		mg/kg wet	2.00	5260		110	61.2-138.5		
Cadmium	85.4		mg/kg wet	0.500	92.0		93	81.9-118.1		
Copper	65.2		mg/kg wet	1.00	66.7		98	83.3-117.4		
Chromium	67.6		mg/kg wet	1.00	71.8		94	81-119.7		
Calcium	3540		mg/kg wet	25.0	3700		96	80.7-119.3		
Arsenic	131		mg/kg wet	1.50	142		93	80.7-118.9		
Silver	43.1		mg/kg wet	1.50	63.7		68	66.4-134.1		
Beryllium	24.6		mg/kg wet	0.500	25.8		95	83.1-116.9		
Cobalt	52.7		mg/kg wet	1.00	55.6		95	82.2-118.2		
Barium	256		mg/kg wet	1.00	263		97	82.7-117.1		
Batch 7091090 - EPA200/SW7000 Series										
Blank (7091090-BLK1)										
Prepared: 18-Sep-07 Analyzed: 20-Sep-07										
Mercury	BRL	U	mg/kg wet	0.0299						
Duplicate (7091090-DUP1) **Source: SA68202-01**										
Prepared: 18-Sep-07 Analyzed: 20-Sep-07										
Mercury	0.301		mg/kg dry	0.0321		0.280			7	20
Matrix Spike (7091090-MS1) **Source: SA68202-04**										
Prepared: 18-Sep-07 Analyzed: 20-Sep-07										
Mercury	0.481		mg/kg dry	0.0318	0.441	BRL	109	75-125		
Matrix Spike Dup (7091090-MSD1) **Source: SA68202-04**										
Prepared: 18-Sep-07 Analyzed: 20-Sep-07										
Mercury	0.498		mg/kg dry	0.0318	0.442	BRL	113	75-125	4	35
Post Spike (7091090-PS1) **Source: SA68202-04**										
Prepared: 18-Sep-07 Analyzed: 20-Sep-07										
Mercury	0.473		mg/kg dry	0.0319	0.443	BRL	107	85-115		
Reference (7091090-SRM1)										
Prepared: 18-Sep-07 Analyzed: 20-Sep-07										
Mercury	1.91		mg/kg wet	0.0300	2.23		86	66-132.1		

TCLP Metals by EPA 1311 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091200 - SW846 3010A										
Blank (7091200-BLK1)										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Lead	BRL	U	mg/l	0.0150						
Selenium	BRL	U	mg/l	0.0300						
Arsenic	BRL	U	mg/l	0.0080						
Cadmium	BRL	U	mg/l	0.0050						
Silver	BRL	U	mg/l	0.0100						
Chromium	BRL	U	mg/l	0.0100						
Barium	BRL	U	mg/l	0.0100						
LCS (7091200-BS1)										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Lead	2.43		mg/l	0.0150	2.50		97	76.8-112		
Selenium	2.56		mg/l	0.0300	2.50		103	76.7-121		
Silver	2.58		mg/l	0.0100	2.50		103	77.6-121		
Arsenic	2.57		mg/l	0.0080	2.50		103	73.8-119		
Chromium	2.46		mg/l	0.0100	2.50		98	77.4-118		
Cadmium	2.54		mg/l	0.0050	2.50		102	80.1-118		
Barium	2.56		mg/l	0.0100	2.50		103	71.7-119		
LCS Dup (7091200-BSD1)										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Selenium	2.68		mg/l	0.0300	2.50		107	76.7-121	4	20
Lead	2.56		mg/l	0.0150	2.50		102	76.8-112	5	20
Chromium	2.62		mg/l	0.0100	2.50		105	77.4-118	6	20
Silver	2.74		mg/l	0.0100	2.50		110	77.6-121	6	104
Cadmium	2.68		mg/l	0.0050	2.50		107	80.1-118	5	20
Arsenic	2.70		mg/l	0.0080	2.50		108	73.8-119	5	20
Barium	2.68		mg/l	0.0100	2.50		107	71.7-119	5	20
Duplicate (7091200-DUP1) **Source: SA68247-11**										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Lead	1.73		mg/l	0.0150		1.77			2	20
Selenium	BRL	U	mg/l	0.0300		0.0109				20
Arsenic	0.0071	J	mg/l	0.0080		0.0075			5	20
Silver	BRL	U	mg/l	0.0100		BRL				20
Chromium	BRL	U	mg/l	0.0100		0.0057				20
Cadmium	0.0031	QR4, J	mg/l	0.0050		0.0039			23	20
Barium	0.259		mg/l	0.0100		0.270			4	20
Matrix Spike (7091200-MS1) **Source: SA68202-03**										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Lead	2.92		mg/l	0.0150	2.50	0.341	103	69.8-117		
Selenium	2.73		mg/l	0.0300	2.50	BRL	109	74.2-124		
Chromium	2.60		mg/l	0.0100	2.50	0.0079	103	71.1-123		
Silver	2.77		mg/l	0.0100	2.50	BRL	111	73.1-126		
Cadmium	2.66		mg/l	0.0050	2.50	0.0010	106	74.3-119		
Arsenic	2.74		mg/l	0.0080	2.50	0.0072	109	71.3-122		
Barium	3.15		mg/l	0.0100	2.50	0.463	107	66.4-122		
Matrix Spike Dup (7091200-MSD1) **Source: SA68202-03**										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Selenium	2.65		mg/l	0.0300	2.50	BRL	106	74.2-124	3	35
Lead	2.87		mg/l	0.0150	2.50	0.341	101	69.8-117	2	35

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091200 - SW846 3010A										
Matrix Spike Dup (7091200-MSD1) Source: SA68202-03										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Chromium	2.58		mg/l	0.0100	2.50	0.0079	103	71.1-123	0.5	35
Arsenic	2.66		mg/l	0.0080	2.50	0.0072	106	71.3-122	3	35
Silver	2.68		mg/l	0.0100	2.50	BRL	107	73.1-126	3	35
Cadmium	2.63		mg/l	0.0050	2.50	0.0010	105	74.3-119	1	35
Barium	3.06		mg/l	0.0100	2.50	0.463	104	66.4-122	3	35
Post Spike (7091200-PS1) Source: SA68202-03										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Lead	2.82		mg/l	0.0150	2.50	0.341	99	68.7-121		
Selenium	2.63		mg/l	0.0300	2.50	BRL	105	76.2-126		
Chromium	2.55		mg/l	0.0100	2.50	0.0079	102	72.4-126		
Arsenic	2.63		mg/l	0.0080	2.50	0.0072	105	72.8-125		
Cadmium	2.58		mg/l	0.0050	2.50	0.0010	103	74.9-122		
Silver	2.67		mg/l	0.0100	2.50	BRL	107	75.9-129		
Barium	3.03		mg/l	0.0100	2.50	0.463	103	71.5-120		
Batch 7091202 - EPA200/SW7000 Series										
Blank (7091202-BLK1)										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Mercury	BRL	U	mg/l	0.00060						
LCS (7091202-BS1)										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Mercury	0.00397		mg/l	0.00060	0.00500		79	57-119		
Duplicate (7091202-DUP1) Source: SA68247-11										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Mercury	BRL	U	mg/l	0.00060		BRL				20
Matrix Spike (7091202-MS1) Source: SA68202-03										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Mercury	0.00412		mg/l	0.00060	0.00500	BRL	82	54.7-121		
Matrix Spike Dup (7091202-MSD1) Source: SA68202-03										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Mercury	0.00392		mg/l	0.00060	0.00500	BRL	78	54.7-121	5	35
Post Spike (7091202-PS1) Source: SA68202-03										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Mercury	0.00398		mg/l	0.00060	0.00500	BRL	80	54.5-122		

Toxicity Characteristics - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091014 - General Preparation										
Duplicate (7091014-DUP1) **Source: SA68198-01**										
Prepared & Analyzed: 17-Sep-07										
pH	5.13		pH Units			5.28			3	5
Reference (7091014-SRM1)										
Prepared & Analyzed: 17-Sep-07										
pH	7.06		pH Units		7.00		101	90-110		
Batch 7091062 - General Preparation										
Duplicate (7091062-DUP1) **Source: SA68207-01**										
Prepared & Analyzed: 18-Sep-07										
Ignitability by Definition	Negative		N/A			0.00				35

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091063 - General Preparation										
Duplicate (7091063-DUP1)	**Source: SA68019-01**									
Prepared & Analyzed: 18-Sep-07										
% Solids	97.4		%			97.5			0.04	20
Batch 7091121 - General Preparation										
Blank (7091121-BLK1)										
Prepared & Analyzed: 18-Sep-07										
Reactivity	Negative		mg/l							
Reactive Cyanide	BRL	U	mg/l	25.0						
Reactive Sulfide	BRL	U	mg/l	50.0						
Duplicate (7091121-DUP1)	**Source: SA68198-01**									
Prepared & Analyzed: 18-Sep-07										
Reactivity	Negative		mg/l			0.00				200
Reactive Cyanide	BRL	U	mg/l	24.9		BRL				20
Reactive Sulfide	BRL	U	mg/l	49.8		BRL				20
Batch 7091194 - SW846 9010										
Blank (7091194-BLK1)										
Prepared & Analyzed: 19-Sep-07										
Cyanide (total)	BRL	U	mg/kg wet	1.00						
LCS (7091194-BS1)										
Prepared & Analyzed: 19-Sep-07										
Cyanide (total)	31.5		mg/kg wet	1.00	30.0		105	90-110		
LCS (7091194-BS2)										
Prepared & Analyzed: 19-Sep-07										
Cyanide (total)	76.4		mg/kg wet	1.00	80.0		96	90-110		
Duplicate (7091194-DUP1)	**Source: SA68202-01**									
Prepared & Analyzed: 19-Sep-07										
Cyanide (total)	BRL	U	mg/kg dry	1.04		BRL				35
Matrix Spike (7091194-MS1)	**Source: SA68202-01**									
Prepared & Analyzed: 19-Sep-07										
Cyanide (total)	10.7		mg/kg dry	1.07	10.7	BRL	100	90-110		
Matrix Spike Dup (7091194-MSD1)	**Source: SA68202-01**									
Prepared & Analyzed: 19-Sep-07										
Cyanide (total)	10.9		mg/kg dry	1.07	10.7	BRL	102	90-110	2	35
Reference (7091194-SRM1)										
Prepared & Analyzed: 19-Sep-07										
Cyanide (total)	92.4		mg/kg wet	1.84	85.1		109	35.7-145.7		

Notes and Definitions

J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
O01	This compound is a common laboratory contaminant.
pHHT	A hold time of 24 hours has been set to expedite the analyses through the laboratory. However, the hold time for pH is not specified within the method other than to state that the samples should be analyzed as soon as possible.
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR4	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
U	Analyte included in the analysis, but not detected
Z-2	%RECOVERY OUT OF CONTROL WILL USE THE PRIMARY COLUMN FOR RESULTS
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

SA08202 OK

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3-day
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: JAMIE BARR
LANGAN ENGINEERING
360 W 31ST STREET
NEW YORK, NY 10001

Project Mgr.: JAMIE BARR

Invoice To: (BARR)

P.O. No.: RQN:

Project No.: 5762901
Site Name: 166-218 MYRTLE AVE
Location: BROOKLYN State: NY
Sampler(s): H. CATZOULIS and A. WEN

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
- ☐ Standard ☐ No QC
- ☒ Other

State specific reporting standards: NYS CAT B

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	NYS TAGM 4046	TCLP VOCs	TCLP SVOCs	TCLP METALS	TCLP PESTICIDES	TCLP HERBICIDES	RCRA characteristics: Reactivity	Corrosivity	Ignitability
SA08202-01	LEG-23a(0-2)	9/14/07	~~11:45~~ 10:15	G	SO	ϕ		1			X								
02	LEG-23a(20-22)	9/14/07	11:45	G	SO	ϕ		1			X	X							
03	LEG-23a-WC	9/14/07	12:00	C	SO	ϕ		2					X	X	X	X	X	X	X
04	DUP-2	9/14/07			SO	ϕ		1			X								

☐ Fax results when available to (____)
☒ E-mail to jbarr@langan.com
EDD Format excel, pdf, Equis
Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 2

Relinquished by:	Received by:	Date:	Time:
[signature]		9/14/07	15:00
[signature]	[signature]	9/15/07	953

Report Date:
18-Sep-07 17:22

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Env Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: 166-218 Myrtle Ave - Brooklyn, NY
Project 5762901

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA68097-01	LEG-19 (MW)-0-2	Soil	12-Sep-07 13:00	13-Sep-07 16:30
SA68097-02	LEG-19 (MW)-24-26	Soil	12-Sep-07 13:15	13-Sep-07 16:30
SA68097-03	LEG-19 (MW)-WC	Soil	12-Sep-07 13:30	13-Sep-07 16:30
SA68097-04	Dup 3	Soil	12-Sep-07 00:00	13-Sep-07 16:30
SA68097-05	LEG-21C-(0-2)	Soil	13-Sep-07 11:15	13-Sep-07 16:30
SA68097-06	LEG-21C-(22-24)	Soil	13-Sep-07 12:30	13-Sep-07 16:30
SA68097-07	LEG-21C-WC	Soil	13-Sep-07 12:50	13-Sep-07 16:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 70 pages of analytical data plus Chain of Custody document(s).
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USDA # S-51435
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Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NH-2972, NY-11840, FL-E87936 and NJ-MA012).

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-19 (MW)-0-2 SA68097-01	5762901	Soil	12-Sep-07 13:00	13-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A			1	VOC Soil Extraction	13-Sep-07	13-Sep-07	7090819	BD
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	6.6	2.7	1	SW 846 8260B	14-Sep-07	14-Sep-07	7090879	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	66.1	57.9	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	6.6	0.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	66.1	4.7	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	33.0	0.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.6	0.9	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	13.2	1.5	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.6	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.6	1.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.6	0.9	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.6	0.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.6	0.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.6	0.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	66.1	0.7	1	"	"	"	"	"
75-09-2	Methylene chloride	37.1	O01, J	µg/kg dry	66.1	3.2	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.6	1.1	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	6.6	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.6	1.1	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.6	0.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.6	0.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	13.2	1.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.6	1.2	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*102*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*102*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*117*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
319-84-6	alpha-BHC	BRL	U	µg/kg dry	15.4	0.245	1	SW846 8081A	14-Sep-07	17-Sep-07	7090822	RP
319-85-7	beta-BHC	BRL	U	µg/kg dry	15.4	2.51	1	"	"	"	"	"
319-86-8	delta-BHC	BRL	U	µg/kg dry	15.4	0.191	1	"	"	"	"	"
58-89-9	gamma-BHC (Lindane)	BRL	U	µg/kg dry	15.4	0.173	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	15.4	0.414	1	"	"	"	"	"
309-00-2	Aldrin	BRL	U	µg/kg dry	15.4	0.129	1	"	"	"	"	"
1024-57-3	Heptachlor epoxide	BRL	U	µg/kg dry	15.4	0.234	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	15.4	0.630	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-19 (MW)-0-2	5762901	Soil	12-Sep-07 13:00	13-Sep-07
SA68097-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	15.4	0.233	1	SW846 8081A	14-Sep-07	17-Sep-07	7090822	RP
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	15.4	0.356	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	15.4	0.525	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	15.4	0.553	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	15.4	0.359	1	"	"	"	"	"
1031-07-8	Endosulfan sulfate	BRL	U	µg/kg dry	15.4	0.402	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	112		µg/kg dry	15.4	0.328	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	15.4	0.157	1	"	"	"	"	"
53494-70-5	Endrin ketone	BRL	U	µg/kg dry	15.4	1.03	1	"	"	"	"	"
7421-93-4	Endrin aldehyde	BRL	U	µg/kg dry	15.4	0.165	1	"	"	"	"	"
5103-71-9	alpha-Chlordane	19.0		µg/kg dry	15.4	2.34	1	"	"	"	"	"
5103-74-2	gamma-Chlordane	17.8		µg/kg dry	15.4	0.581	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/kg dry	77.0	1.80	1	"	"	"	"	"
57-74-9	Chlordane	134		µg/kg dry	77.0	0.858	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*52*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*97*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	30.8	1.94	1	SW846 8082	14-Sep-07	17-Sep-07	7090823	SM
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	30.8	1.94	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	30.8	4.52	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	30.8	3.88	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	30.8	4.63	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	30.8	1.40	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	30.8	1.61	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	30.8	0.258	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	30.8	0.124	1	"	"	"	"	"
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*		*30-150 %*				"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	SW846 8151A	17-Sep-07	18-Sep-07	7090826	MAL
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	"	"	"	"	"
94-82-6	2,4-DB	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
75-99-0	Dalapon	BRL	U	µg/kg dry	6.70	1.00	1	"	"	"	"	"
1918-00-9	Dicamba	BRL	U	µg/kg dry	6.70	1.00	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL	U	µg/kg dry	6.70	1.20	1	"	"	"	"	"
88-85-7	Dinoseb	BRL	U	µg/kg dry	6.70	0.700	1	"	"	"	"	"
94-74-6	MCPA	BRL	U	µg/kg dry	670	126	1	"	"	"	"	"
94-81-5	MCPB	BRL	U	µg/kg dry	670	88.8	1	"	"	"	"	"
93-65-2	MCPP	BRL	U	µg/kg dry	670	116	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-19 (MW)-0-2	5762901	Soil	12-Sep-07 13:00	13-Sep-07
SA68097-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	276	6.68	1	SW846 8270C	17-Sep-07	18-Sep-07	7090978	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	276	8.35	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	276	21.2	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/kg dry	276	8.35	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	71.8	J	µg/kg dry	276	17.8	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	64.0	J	µg/kg dry	276	9.44	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	51.2	J	µg/kg dry	276	36.8	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	34.5	J	µg/kg dry	276	7.77	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	61.8	J	µg/kg dry	276	11.1	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	276	5.01	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	276	53.0	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	276	31.7	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	276	10.0	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	276	26.7	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	276	5.57	1	"	"	"	"	"
218-01-9	Chrysene	75.2	J	µg/kg dry	276	3.93	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	276	4.43	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	276	3.34	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	276	20.1	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	276	7.27	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	276	8.94	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	276	7.77	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	276	7.27	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	276	17.3	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	276	6.68	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	276	13.4	1	"	"	"	"	"
206-44-0	Fluoranthene	177	J	µg/kg dry	276	6.68	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	276	6.68	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	276	20.6	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	38.4	J	µg/kg dry	276	12.8	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	276	16.7	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	276	6.10	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	276	11.7	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	276	6.68	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	276	10.6	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	276	3.34	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	276	9.44	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	276	10.0	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	276	12.8	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	1100	14.5	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	1100	17.8	1	"	"	"	"	"
85-01-8	Phenanthrene	110	J	µg/kg dry	276	12.8	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	276	5.57	1	"	"	"	"	"
129-00-0	Pyrene	140	J	µg/kg dry	276	19.5	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	276	5.57	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*61*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*62*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*62*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*59*		*15-110 %*				"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-19 (MW)-0-2 SA68097-01	5762901	Soil	12-Sep-07 13:00	13-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
1718-51-0	*Terphenyl-dl4*	*57*		*30-130 %*				SW846 8270C	17-Sep-07	18-Sep-07	7090978	M.B
118-79-6	*2,4,6-Tribromophenol*	*65*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.64	0.382	1	SW846 6010B	15-Sep-07	17-Sep-07	7090888	LR
7429-90-5	Aluminum	7,080		mg/kg dry	2.18	1.36	1	"	"	"	"	"
7440-38-2	Arsenic	2.87		mg/kg dry	1.64	0.251	1	"	"	"	"	"
7440-39-3	Barium	64.8		mg/kg dry	1.09	0.183	1	"	"	"	"	"
7440-41-7	Beryllium	0.349	J	mg/kg dry	0.546	0.121	1	"	"	"	"	"
7440-70-2	Calcium	2,630		mg/kg dry	40.9	4.38	1	"	"	"	"	"
7440-43-9	Cadmium	0.469	J	mg/kg dry	0.546	0.0186	1	"	"	"	"	"
7440-48-4	Cobalt	5.39		mg/kg dry	1.09	0.0469	1	"	"	"	"	"
7440-47-3	Chromium	14.0		mg/kg dry	1.09	0.315	1	"	"	"	"	"
7440-50-8	Copper	28.1		mg/kg dry	1.09	0.212	1	"	"	"	"	"
7439-89-6	Iron	11,900		mg/kg dry	2.18	0.549	1	"	"	"	"	"
7439-97-6	Mercury	0.182		mg/kg dry	0.0328	0.0078	1	SW846 7471A	"	18-Sep-07	7090889	YP
7440-09-7	Potassium	1,150		mg/kg dry	54.6	19.1	1	SW846 6010B	"	17-Sep-07	7090888	LR
7439-95-4	Magnesium	3,180		mg/kg dry	5.46	0.162	1	"	"	"	"	"
7439-96-5	Manganese	550		mg/kg dry	1.09	0.306	1	"	"	"	"	"
7440-23-5	Sodium	177		mg/kg dry	27.3	6.34	1	"	"	"	"	"
7440-02-0	Nickel	26.7		mg/kg dry	1.09	0.107	1	"	"	"	"	"
7439-92-1	Lead	52.9		mg/kg dry	1.64	0.170	1	"	"	"	"	"
7440-36-0	Antimony	0.426	J	mg/kg dry	3.27	0.398	1	"	"	"	"	"
7782-49-2	Selenium	1.70		mg/kg dry	1.64	0.353	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	3.27	0.512	1	"	"	"	"	"
7440-62-2	Vanadium	23.2		mg/kg dry	1.64	0.810	1	"	"	"	"	"
7440-66-6	Zinc	63.9		mg/kg dry	1.09	0.398	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	89.7		%			1	SM2540 G Mod.	14-Sep-07	14-Sep-07	7090845	DG
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.13	0.714	1	10-204-00-1-A / SW846 9012A / EPA 335.4	17-Sep-07	17-Sep-07	7091009	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-19 (MW)-24-26 SA68097-02	5762901	Soil	12-Sep-07 13:15	13-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
	TCLP Extraction	Completed		N/A			1	SW846 1311	14-Sep-07	14-Sep-07	7090913	BD
	VOC Extraction	Lab extracted		N/A			1	VOC Soil Extraction	13-Sep-07	13-Sep-07	7090819	"
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	5.9	2.4	1	SW 846 8260B	14-Sep-07	14-Sep-07	7090879	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	59.0	51.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	5.9	0.6	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	5.9	0.5	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	59.0	4.2	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	29.5	0.5	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	5.9	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	5.9	0.8	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	11.8	1.3	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	5.9	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	5.9	0.9	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	5.9	1.4	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	5.9	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	5.9	0.8	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	5.9	0.4	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	5.9	0.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	5.9	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	5.9	0.6	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	5.9	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	5.9	0.7	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	59.0	0.6	1	"	"	"	"	"
75-09-2	Methylene chloride	30.3	O01, J	µg/kg dry	59.0	2.8	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	5.9	0.9	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	5.9	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	5.9	0.9	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	5.9	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	5.9	0.7	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	5.9	0.6	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	5.9	0.6	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	5.9	0.7	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	11.8	1.4	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	5.9	1.1	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*102*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*103*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*115*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*				"	"	"	"	"
TCLP Volatile Organic Compounds by 8260B (TCL)												
Prepared by method SW846 5030 Water MS												
71-43-2	Benzene	BRL	U	µg/l	5.0	2.8	5	SW846 1311/8260B	17-Sep-07	18-Sep-07	7091025	EQ
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	50.0	12.2	5	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	5.0	2.9	5	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	5.0	2.6	5	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	5.0	4.0	5	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	5.0	2.1	5	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	5.0	3.0	5	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-19 (MW)-24-26 SA68097-02	5762901	Soil	12-Sep-07 13:15	13-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
TCLP Volatile Organic Compounds by 8260B (TCL)												
Prepared by method SW846 5030 Water MS												
127-18-4	Tetrachloroethene	BRL	U	µg/l	5.0	2.6	5	SW846 1311/8260B	17-Sep-07	18-Sep-07	7091025	EQ
108-88-3	Toluene	BRL	U	µg/l	5.0	3.2	5	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	5.0	2.3	5	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	5.0	4.3	5	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*94*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*96*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*103*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
319-84-6	alpha-BHC	BRL	U	µg/kg dry	14.7	0.234	1	SW846 8081A	14-Sep-07	17-Sep-07	7090822	RP
319-85-7	beta-BHC	BRL	U	µg/kg dry	14.7	2.40	1	"	"	"	"	"
319-86-8	delta-BHC	BRL	U	µg/kg dry	14.7	0.182	1	"	"	"	"	"
58-89-9	gamma-BHC (Lindane)	BRL	U	µg/kg dry	14.7	0.166	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	14.7	0.396	1	"	"	"	"	"
309-00-2	Aldrin	BRL	U	µg/kg dry	14.7	0.123	1	"	"	"	"	"
1024-57-3	Heptachlor epoxide	BRL	U	µg/kg dry	14.7	0.223	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	14.7	0.602	1	"	"	"	"	"
60-57-1	Dieldrin	BRL	U	µg/kg dry	14.7	0.222	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	14.7	0.340	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	14.7	0.502	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	14.7	0.529	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	14.7	0.342	1	"	"	"	"	"
1031-07-8	Endosulfan sulfate	BRL	U	µg/kg dry	14.7	0.384	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	14.7	0.314	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	14.7	0.150	1	"	"	"	"	"
53494-70-5	Endrin ketone	BRL	U	µg/kg dry	14.7	0.987	1	"	"	"	"	"
7421-93-4	Endrin aldehyde	BRL	U	µg/kg dry	14.7	0.157	1	"	"	"	"	"
5103-71-9	alpha-Chlordane	BRL	U	µg/kg dry	14.7	2.23	1	"	"	"	"	"
5103-74-2	gamma-Chlordane	BRL	U	µg/kg dry	14.7	0.555	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/kg dry	73.5	1.72	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	73.5	0.820	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*107*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	29.4	1.85	1	SW846 8082	14-Sep-07	17-Sep-07	7090823	SM
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	29.4	1.85	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	29.4	4.32	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	29.4	3.70	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	29.4	4.42	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	29.4	1.34	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	29.4	1.54	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	29.4	0.247	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	29.4	0.118	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-19 (MW)-24-26	5762901	Soil	12-Sep-07 13:15	13-Sep-07
SA68097-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*		*30-150 %*				SW846 8082	14-Sep-07	17-Sep-07	7090823	SM
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	SW846 8151A	17-Sep-07	18-Sep-07	7090826	MAL
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	"	"	"	"	"
94-82-6	2,4-DB	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
75-99-0	Dalapon	BRL	U	µg/kg dry	6.70	1.00	1	"	"	"	"	"
1918-00-9	Dicamba	BRL	U	µg/kg dry	6.70	1.00	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL	U	µg/kg dry	6.70	1.20	1	"	"	"	"	"
88-85-7	Dinoseb	BRL	U	µg/kg dry	6.70	0.700	1	"	"	"	"	"
94-74-6	MCPA	BRL	U	µg/kg dry	670	126	1	"	"	"	"	"
94-81-5	MCPB	BRL	U	µg/kg dry	670	88.8	1	"	"	"	"	"
93-65-2	MCPP	BRL	U	µg/kg dry	670	116	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*61*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	261	6.33	1	SW846 8270C	17-Sep-07	18-Sep-07	7090978	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	261	7.91	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	261	20.1	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/kg dry	261	7.91	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/kg dry	261	16.9	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/kg dry	261	8.94	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/kg dry	261	34.8	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/kg dry	261	7.36	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/kg dry	261	10.5	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	261	4.75	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	261	50.2	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	261	30.1	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	261	9.50	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	261	25.3	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	261	5.28	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/kg dry	261	3.72	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	261	4.19	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	261	3.17	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	261	19.0	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	261	6.88	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	261	8.47	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	261	7.36	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	261	6.88	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	261	16.4	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	261	6.33	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	261	12.7	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/kg dry	261	6.33	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	261	6.33	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-19 (MW)-24-26 SA68097-02	5762901	Soil	12-Sep-07 13:15	13-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	261	19.5	1	SW846 8270C	17-Sep-07	18-Sep-07	7090978	M.B
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	261	12.1	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	261	15.8	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	261	5.78	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	261	11.1	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	261	6.33	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	261	10.1	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	261	3.17	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	261	8.94	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	261	9.50	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	261	12.1	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	1040	13.7	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	1040	16.9	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/kg dry	261	12.1	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	261	5.28	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/kg dry	261	18.5	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	261	5.28	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*69*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*69*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*71*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*67*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*66*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*73*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.56	0.365	1	SW846 6010B	15-Sep-07	17-Sep-07	7090888	LR
7429-90-5	Aluminum	3,520		mg/kg dry	2.08	1.30	1	"	"	"	"	"
7440-38-2	Arsenic	0.876	J	mg/kg dry	1.56	0.240	1	"	"	"	"	"
7440-39-3	Barium	27.8		mg/kg dry	1.04	0.175	1	"	"	"	"	"
7440-41-7	Beryllium	0.167	J	mg/kg dry	0.521	0.116	1	"	"	"	"	"
7440-70-2	Calcium	6,980		mg/kg dry	39.1	4.18	1	"	"	"	"	"
7440-43-9	Cadmium	0.182	J	mg/kg dry	0.521	0.0177	1	"	"	"	"	"
7440-48-4	Cobalt	3.12		mg/kg dry	1.04	0.0448	1	"	"	"	"	"
7440-47-3	Chromium	7.40		mg/kg dry	1.04	0.301	1	"	"	"	"	"
7440-50-8	Copper	11.7		mg/kg dry	1.04	0.202	1	"	"	"	"	"
7439-89-6	Iron	6,720		mg/kg dry	2.08	0.524	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/kg dry	0.0308	0.0074	1	SW846 7471A	"	18-Sep-07	7090889	YP
7440-09-7	Potassium	770		mg/kg dry	52.1	18.2	1	SW846 6010B	"	17-Sep-07	7090888	LR
7439-95-4	Magnesium	2,650		mg/kg dry	5.21	0.154	1	"	"	"	"	"
7439-96-5	Manganese	279		mg/kg dry	1.04	0.292	1	"	"	"	"	"
7440-23-5	Sodium	129		mg/kg dry	26.1	6.06	1	"	"	"	"	"
7440-02-0	Nickel	7.34		mg/kg dry	1.04	0.102	1	"	"	"	"	"
7439-92-1	Lead	3.66		mg/kg dry	1.56	0.163	1	"	"	"	"	"
7440-36-0	Antimony	BRL	U	mg/kg dry	3.13	0.380	1	"	"	"	"	"
7782-49-2	Selenium	0.464	J	mg/kg dry	1.56	0.337	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	3.13	0.489	1	"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-19 (MW)-24-26 SA68097-02	5762901	Soil	12-Sep-07 13:15	13-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-62-2	Vanadium	14.0		mg/kg dry	1.56	0.773	1	SW846 6010B	15-Sep-07	17-Sep-07	7090888	LR
7440-66-6	Zinc	16.6		mg/kg dry	1.04	0.380	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	94.4		%			1	SM2540 G Mod.	14-Sep-07	14-Sep-07	7090845	DG
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.01	0.639	1	10-204-00-1-A / SW846 9012A / EPA 335.4	17-Sep-07	17-Sep-07	7091009	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-19 (MW)-WC SA68097-03	5762901	Soil	12-Sep-07 13:30	13-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GC												
	TCLP Extraction	Completed		N/A			1	SW846 1311	14-Sep-07	14-Sep-07	7090911	BD
TCLP Pesticides by SW846 1311/8081A												
Prepared by method SW846 3510C												
57-74-9	Chlordane	BRL	U	µg/l	0.400	0.064	1	SW846 1311/8081A	17-Sep-07	17-Sep-07	7090984	RP
72-20-8	Endrin	BRL	U	µg/l	0.080	0.040	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/l	0.080	0.032	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/l	0.080	0.012	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/l	0.400	0.128	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
60-57-1	Dieldrin	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*		*30-150 %*				"	"	"	"	"
TCLP Herbicides by SW846 1311/8151A												
Prepared by method SW846 3535												
94-75-7	2,4-D	BRL	U	µg/l	0.100	0.0190	1	SW846 1311/8151A	17-Sep-07	17-Sep-07	7090985	MAL
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/l	0.100	0.0170	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*41*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
	TCLP Extraction	Completed		N/A			1	SW846 1311	14-Sep-07	14-Sep-07	7090911	BD
TCLP Semivolatiles by SW846 1311/8270C (TCL)												
Prepared by method SW846 3535												
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	5.00	0.220	1	SW846 1311/8270C	17-Sep-07	17-Sep-07	7090987	M.B
121-14-2	2,4-Dinitrotoluene	BRL	U	µg/l	5.00	0.210	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	5.00	0.370	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	5.00	0.560	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL	U	µg/l	5.00	0.510	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.00	0.210	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	10.0	0.240	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	5.00	0.180	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	5.00	0.320	1	"	"	"	"	"
110-86-1	Pyridine	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*75*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*66*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*90*		*30-130 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*72*		*30-130 %*				"	"	"	"	"
TCLP Metals by EPA 1311 & 6000/7000 Series Methods												
	TCLP Extraction	Completed		N/A			1	SW846 1311	14-Sep-07	14-Sep-07	7090910	BD
7440-22-4	Silver	BRL	U	mg/l	0.0100	0.0040	1	SW846 1311/6010B	17-Sep-07	18-Sep-07	7091013	SA

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-19 (MW)-WC SA68097-03	5762901	Soil	12-Sep-07 13:30	13-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
TCLP Metals by EPA 1311 & 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL	U	mg/l	0.0080	0.0050	1	SW846 1311/6010B	17-Sep-07	18-Sep-07	7091013	SA
7440-39-3	Barium	0.616		mg/l	0.0100	0.0040	1	"	"	"	"	"
7440-43-9	Cadmium	0.0020	J	mg/l	0.0050	0.0003	1	"	"	"	"	"
7440-47-3	Chromium	BRL	U	mg/l	0.0100	0.0050	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00008	1	SW846 1311/7470A	"	18-Sep-07	7091016	YP
7439-92-1	Lead	0.100		mg/l	0.0150	0.0050	1	SW846 1311/6010B	"	18-Sep-07	7091013	SA
7782-49-2	Selenium	BRL	U	mg/l	0.0300	0.0100	1	"	"	"	"	"
Toxicity Characteristics												
	Ignitability by Definition	Negative		N/A			1	SW846 1030	14-Sep-07	14-Sep-07	7090828	BD
	pH	8.38		pH Units			1	SW846 9045C	13-Sep-07 18:30	13-Sep-07	7090817	"
Reactivity Cyanide/Sulfide												
Prepared by method General Preparation												
	Reactivity	Negative		mg/kg dry			1	SW846 Ch. 7.3	17-Sep-07	17-Sep-07	7091043	DN
	Reactive Cyanide	BRL	U	mg/kg dry	25.0	2.50	1	"	"	"	"	"
	Reactive Sulfide	9.13	J	mg/kg dry	50.0	5.00	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	87.6		%			1	SM2540 G Mod.	14-Sep-07	14-Sep-07	7090845	DG

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup 3 SA68097-04	5762901	Soil	12-Sep-07 00:00	13-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A			1	VOC Soil Extraction	13-Sep-07	13-Sep-07	7090819	BD
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	5.3	2.2	1	SW 846 8260B	14-Sep-07	14-Sep-07	7090879	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	53.0	46.5	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	5.3	0.6	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	53.0	3.8	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	26.5	0.5	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	5.3	0.7	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	10.6	1.2	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	5.3	0.4	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	5.3	0.8	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	5.3	1.2	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	5.3	0.7	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	5.3	0.4	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	5.3	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	5.3	0.6	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	53.0	0.6	1	"	"	"	"	"
75-09-2	Methylene chloride	17.8	O01, J	µg/kg dry	53.0	2.5	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	5.3	0.8	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	5.3	0.3	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	5.3	0.8	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	5.3	0.4	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	5.3	0.6	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	5.3	0.6	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	5.3	0.6	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	10.6	1.2	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	5.3	1.0	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*103*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*102*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*121*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
319-84-6	alpha-BHC	BRL	U	µg/kg dry	14.8	0.236	1	SW846 8081A	14-Sep-07	17-Sep-07	7090822	RP
319-85-7	beta-BHC	BRL	U	µg/kg dry	14.8	2.41	1	"	"	"	"	"
319-86-8	delta-BHC	BRL	U	µg/kg dry	14.8	0.183	1	"	"	"	"	"
58-89-9	gamma-BHC (Lindane)	BRL	U	µg/kg dry	14.8	0.167	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	14.8	0.399	1	"	"	"	"	"
309-00-2	Aldrin	BRL	U	µg/kg dry	14.8	0.124	1	"	"	"	"	"
1024-57-3	Heptachlor epoxide	BRL	U	µg/kg dry	14.8	0.225	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	14.8	0.606	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup 3 SA68097-04	5762901	Soil	12-Sep-07 00:00	13-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	14.8	0.224	1	SW846 8081A	14-Sep-07	17-Sep-07	7090822	RP
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	14.8	0.343	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	14.8	0.506	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	14.8	0.533	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	14.8	0.345	1	"	"	"	"	"
1031-07-8	Endosulfan sulfate	BRL	U	µg/kg dry	14.8	0.386	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	14.8	0.316	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	14.8	0.151	1	"	"	"	"	"
53494-70-5	Endrin ketone	BRL	U	µg/kg dry	14.8	0.995	1	"	"	"	"	"
7421-93-4	Endrin aldehyde	BRL	U	µg/kg dry	14.8	0.159	1	"	"	"	"	"
5103-71-9	alpha-Chlordane	BRL	U	µg/kg dry	14.8	2.25	1	"	"	"	"	"
5103-74-2	gamma-Chlordane	BRL	U	µg/kg dry	14.8	0.559	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/kg dry	74.1	1.73	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	74.1	0.826	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*61*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*86*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	29.6	1.86	1	SW846 8082	14-Sep-07	17-Sep-07	7090823	SM
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	29.6	1.86	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	29.6	4.35	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	29.6	3.73	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	29.6	4.45	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	29.6	1.35	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	29.6	1.55	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	29.6	0.249	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	29.6	0.119	1	"	"	"	"	"
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*		*30-150 %*				"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	SW846 8151A	17-Sep-07	18-Sep-07	7090826	MAL
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	"	"	"	"	"
94-82-6	2,4-DB	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
75-99-0	Dalapon	BRL	U	µg/kg dry	6.70	1.00	1	"	"	"	"	"
1918-00-9	Dicamba	BRL	U	µg/kg dry	6.70	1.00	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL	U	µg/kg dry	6.70	1.20	1	"	"	"	"	"
88-85-7	Dinoseb	BRL	U	µg/kg dry	6.70	0.700	1	"	"	"	"	"
94-74-6	MCPA	BRL	U	µg/kg dry	670	126	1	"	"	"	"	"
94-81-5	MCPB	BRL	U	µg/kg dry	670	88.8	1	"	"	"	"	"
93-65-2	MCPP	BRL	U	µg/kg dry	670	116	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*78*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup 3 SA68097-04	5762901	Soil	12-Sep-07 00:00	13-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	259	6.29	1	SW846 8270C	17-Sep-07	18-Sep-07	7090978	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	259	7.86	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	259	20.0	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/kg dry	259	7.86	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/kg dry	259	16.7	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/kg dry	259	8.88	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/kg dry	259	34.6	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/kg dry	259	7.31	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/kg dry	259	10.5	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	259	4.72	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	259	49.8	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	259	29.9	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	259	9.43	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	259	25.1	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	259	5.24	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/kg dry	259	3.69	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	259	4.16	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	259	3.14	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	259	18.9	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	259	6.84	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	259	8.41	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	259	7.31	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	259	6.84	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	259	16.3	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	259	6.29	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	259	12.6	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/kg dry	259	6.29	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	259	6.29	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	259	19.4	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	259	12.0	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	259	15.7	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	259	5.74	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	259	11.0	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	259	6.29	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	259	9.98	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	259	3.14	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	259	8.88	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	259	9.43	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	259	12.0	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	1040	13.6	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	1040	16.7	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/kg dry	259	12.0	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	259	5.24	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/kg dry	259	18.4	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	259	5.24	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*65*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*65*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*66*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*62*		*15-110 %*				"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup 3 SA68097-04	5762901	Soil	12-Sep-07 00:00	13-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
1718-51-0	*Terphenyl-dl4*	*59*		*30-130 %*				SW846 8270C	17-Sep-07	18-Sep-07	7090978	M.B
118-79-6	*2,4,6-Tribromophenol*	*66*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.33	0.310	1	SW846 6010B	15-Sep-07	17-Sep-07	7090888	LR
7429-90-5	Aluminum	3,610		mg/kg dry	1.77	1.11	1	"	"	"	"	"
7440-38-2	Arsenic	0.837	J	mg/kg dry	1.33	0.204	1	"	"	"	"	"
7440-39-3	Barium	27.7		mg/kg dry	0.885	0.149	1	"	"	"	"	"
7440-41-7	Beryllium	0.213	J	mg/kg dry	0.443	0.0983	1	"	"	"	"	"
7440-70-2	Calcium	6,620		mg/kg dry	33.2	3.55	1	"	"	"	"	"
7440-43-9	Cadmium	0.168	J	mg/kg dry	0.443	0.0151	1	"	"	"	"	"
7440-48-4	Cobalt	3.28		mg/kg dry	0.885	0.0381	1	"	"	"	"	"
7440-47-3	Chromium	6.80		mg/kg dry	0.885	0.256	1	"	"	"	"	"
7440-50-8	Copper	9.16		mg/kg dry	0.885	0.172	1	"	"	"	"	"
7439-89-6	Iron	5,710		mg/kg dry	1.77	0.445	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/kg dry	0.0309	0.0074	1	SW846 7471A	"	18-Sep-07	7090889	YP
7440-09-7	Potassium	595		mg/kg dry	44.3	15.5	1	SW846 6010B	"	17-Sep-07	7090888	LR
7439-95-4	Magnesium	2,360		mg/kg dry	4.43	0.131	1	"	"	"	"	"
7439-96-5	Manganese	262		mg/kg dry	0.885	0.248	1	"	"	"	"	"
7440-23-5	Sodium	131		mg/kg dry	22.1	5.14	1	"	"	"	"	"
7440-02-0	Nickel	14.0		mg/kg dry	0.885	0.0868	1	"	"	"	"	"
7439-92-1	Lead	3.25		mg/kg dry	1.33	0.138	1	"	"	"	"	"
7440-36-0	Antimony	BRL	U	mg/kg dry	2.66	0.323	1	"	"	"	"	"
7782-49-2	Selenium	0.615	J	mg/kg dry	1.33	0.286	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	2.66	0.415	1	"	"	"	"	"
7440-62-2	Vanadium	9.03		mg/kg dry	1.33	0.657	1	"	"	"	"	"
7440-66-6	Zinc	12.5		mg/kg dry	0.885	0.323	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	94.4		%			1	SM2540 G Mod.	14-Sep-07	14-Sep-07	7090845	DG
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.05	0.663	1	10-204-00-1-A / SW846 9012A / EPA 335.4	17-Sep-07	17-Sep-07	7091009	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-21C-(0-2) SA68097-05	5762901	Soil	13-Sep-07 11:15	13-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A			1	VOC Soil Extraction	13-Sep-07	13-Sep-07	7090819	BD
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	6.6	2.7	1	SW 846 8260B	14-Sep-07	14-Sep-07	7090879	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	65.6	57.5	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	6.6	0.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	65.6	4.7	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	32.8	0.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.6	0.9	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	13.1	1.4	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.6	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.6	1.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.6	0.9	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.6	0.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.6	0.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.6	0.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	65.6	0.7	1	"	"	"	"	"
75-09-2	Methylene chloride	31.9	O01, J	µg/kg dry	65.6	3.1	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.6	1.0	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	6.6	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.6	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.6	0.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.6	0.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	13.1	1.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.6	1.2	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*101*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*103*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*118*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
319-84-6	alpha-BHC	BRL	U	µg/kg dry	15.4	0.246	1	SW846 8081A	14-Sep-07	17-Sep-07	7090822	RP
319-85-7	beta-BHC	BRL	U	µg/kg dry	15.4	2.52	1	"	"	"	"	"
319-86-8	delta-BHC	BRL	U	µg/kg dry	15.4	0.191	1	"	"	"	"	"
58-89-9	gamma-BHC (Lindane)	BRL	U	µg/kg dry	15.4	0.174	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	15.4	0.416	1	"	"	"	"	"
309-00-2	Aldrin	BRL	U	µg/kg dry	15.4	0.130	1	"	"	"	"	"
1024-57-3	Heptachlor epoxide	BRL	U	µg/kg dry	15.4	0.234	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	15.4	0.632	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-21C-(0-2)	5762901	Soil	13-Sep-07 11:15	13-Sep-07
SA68097-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	15.4	0.233	1	SW846 8081A	14-Sep-07	17-Sep-07	7090822	RP
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	15.4	0.357	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	15.4	0.527	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	15.4	0.555	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	15.4	0.360	1	"	"	"	"	"
1031-07-8	Endosulfan sulfate	BRL	U	µg/kg dry	15.4	0.403	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	93.7		µg/kg dry	15.4	0.329	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	15.4	0.158	1	"	"	"	"	"
53494-70-5	Endrin ketone	BRL	U	µg/kg dry	15.4	1.04	1	"	"	"	"	"
7421-93-4	Endrin aldehyde	BRL	U	µg/kg dry	15.4	0.165	1	"	"	"	"	"
5103-71-9	alpha-Chlordane	21.3		µg/kg dry	15.4	2.34	1	"	"	"	"	"
5103-74-2	gamma-Chlordane	24.7		µg/kg dry	15.4	0.583	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/kg dry	77.2	1.80	1	"	"	"	"	"
57-74-9	Chlordane	150		µg/kg dry	77.2	0.861	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*117*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	30.9	1.94	1	SW846 8082	14-Sep-07	17-Sep-07	7090823	SM
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	30.9	1.94	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	30.9	4.54	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	30.9	3.89	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	30.9	4.64	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	30.9	1.40	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	30.9	1.62	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	30.9	0.259	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	30.9	0.124	1	"	"	"	"	"
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*		*30-150 %*				"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	SW846 8151A	17-Sep-07	18-Sep-07	7090826	MAL
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	"	"	"	"	"
94-82-6	2,4-DB	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
75-99-0	Dalapon	BRL	U	µg/kg dry	6.70	1.00	1	"	"	"	"	"
1918-00-9	Dicamba	BRL	U	µg/kg dry	6.70	1.00	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL	U	µg/kg dry	6.70	1.20	1	"	"	"	"	"
88-85-7	Dinoseb	BRL	U	µg/kg dry	6.70	0.700	1	"	"	"	"	"
94-74-6	MCPA	BRL	U	µg/kg dry	670	126	1	"	"	"	"	"
94-81-5	MCPB	BRL	U	µg/kg dry	670	88.8	1	"	"	"	"	"
93-65-2	MCPP	BRL	U	µg/kg dry	670	116	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-21C-(0-2) SA68097-05	5762901	Soil	13-Sep-07 11:15	13-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	265	6.41	1	SW846 8270C	17-Sep-07	18-Sep-07	7090978	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	265	8.02	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	265	20.4	1	"	"	"	"	"
120-12-7	Anthracene	34.2	J	µg/kg dry	265	8.02	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	119	J	µg/kg dry	265	17.1	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	107	J	µg/kg dry	265	9.06	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	98.9	J	µg/kg dry	265	35.3	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	59.9	J	µg/kg dry	265	7.46	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	90.3	J	µg/kg dry	265	10.7	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	265	4.81	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	265	50.8	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	265	30.5	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	265	9.62	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	265	25.7	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	265	5.35	1	"	"	"	"	"
218-01-9	Chrysene	122	J	µg/kg dry	265	3.77	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	265	4.25	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	265	3.21	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	265	19.2	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	265	6.98	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	265	8.58	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	265	7.46	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	265	6.98	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	265	16.6	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	265	6.41	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	37.9	J	µg/kg dry	265	12.8	1	"	"	"	"	"
206-44-0	Fluoranthene	282		µg/kg dry	265	6.41	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	265	6.41	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	265	19.8	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	64.7	J	µg/kg dry	265	12.3	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	265	16.0	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	265	5.85	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	265	11.2	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	265	6.41	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	265	10.2	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	265	3.21	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	265	9.06	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	265	9.62	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	265	12.3	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	1060	13.9	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	1060	17.1	1	"	"	"	"	"
85-01-8	Phenanthrene	159	J	µg/kg dry	265	12.3	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	265	5.35	1	"	"	"	"	"
129-00-0	Pyrene	220	J	µg/kg dry	265	18.8	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	265	5.35	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*51*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*50*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*52*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*49*		*15-110 %*				"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-21C-(0-2) SA68097-05	5762901	Soil	13-Sep-07 11:15	13-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
1718-51-0	*Terphenyl-dl4*	*47*		*30-130 %*				SW846 8270C	17-Sep-07	18-Sep-07	7090978	M.B
118-79-6	*2,4,6-Tribromophenol*	*51*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.43	0.334	1	SW846 6010B	15-Sep-07	17-Sep-07	7090888	LR
7429-90-5	Aluminum	7,420		mg/kg dry	1.91	1.19	1	"	"	"	"	"
7440-38-2	Arsenic	2.96		mg/kg dry	1.43	0.220	1	"	"	"	"	"
7440-39-3	Barium	73.3		mg/kg dry	0.955	0.160	1	"	"	"	"	"
7440-41-7	Beryllium	0.325	J	mg/kg dry	0.477	0.106	1	"	"	"	"	"
7440-70-2	Calcium	3,240		mg/kg dry	35.8	3.83	1	"	"	"	"	"
7440-43-9	Cadmium	0.444	J	mg/kg dry	0.477	0.0162	1	"	"	"	"	"
7440-48-4	Cobalt	5.50		mg/kg dry	0.955	0.0411	1	"	"	"	"	"
7440-47-3	Chromium	15.1		mg/kg dry	0.955	0.276	1	"	"	"	"	"
7440-50-8	Copper	23.4		mg/kg dry	0.955	0.185	1	"	"	"	"	"
7439-89-6	Iron	12,800		mg/kg dry	1.91	0.480	1	"	"	"	"	"
7439-97-6	Mercury	0.410		mg/kg dry	0.0327	0.0078	1	SW846 7471A	"	18-Sep-07	7090889	YP
7440-09-7	Potassium	1,010		mg/kg dry	47.7	16.7	1	SW846 6010B	"	17-Sep-07	7090888	LR
7439-95-4	Magnesium	2,300		mg/kg dry	4.77	0.141	1	"	"	"	"	"
7439-96-5	Manganese	256		mg/kg dry	0.955	0.267	1	"	"	"	"	"
7440-23-5	Sodium	107		mg/kg dry	23.9	5.55	1	"	"	"	"	"
7440-02-0	Nickel	12.6		mg/kg dry	0.955	0.0936	1	"	"	"	"	"
7439-92-1	Lead	92.2		mg/kg dry	1.43	0.149	1	"	"	"	"	"
7440-36-0	Antimony	0.458	J	mg/kg dry	2.86	0.348	1	"	"	"	"	"
7782-49-2	Selenium	1.55		mg/kg dry	1.43	0.308	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	2.86	0.448	1	"	"	"	"	"
7440-62-2	Vanadium	21.7		mg/kg dry	1.43	0.708	1	"	"	"	"	"
7440-66-6	Zinc	70.4		mg/kg dry	0.955	0.348	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	90.8		%			1	SM2540 G Mod.	14-Sep-07	14-Sep-07	7090845	DG
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.10	0.691	1	10-204-00-1-A / SW846 9012A / EPA 335.4	17-Sep-07	17-Sep-07	7091009	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-21C-(22-24) SA68097-06	5762901	Soil	13-Sep-07 12:30	13-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	TCLP Extraction	Completed		N/A			1	SW846 1311	14-Sep-07	14-Sep-07	7090913	BD
	VOC Extraction	Lab extracted		N/A			1	VOC Soil Extraction	13-Sep-07	13-Sep-07	7090819	"
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	6.5	2.7	1	SW 846 8260B	17-Sep-07	17-Sep-07	7091002	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	65.0	57.0	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.5	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	65.0	4.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	32.5	0.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.5	0.8	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	13.0	1.4	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.5	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.5	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.5	1.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.5	0.9	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.5	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.5	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.5	0.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	65.0	0.7	1	"	"	"	"	"
75-09-2	Methylene chloride	28.2	O01, J	µg/kg dry	65.0	3.1	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.5	1.0	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	6.5	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.5	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.5	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.5	0.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.5	0.7	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.5	0.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	13.0	1.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.5	1.2	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*103*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*103*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*123*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*108*		*70-130 %*				"	"	"	"	"
TCLP Volatile Organic Compounds by 8260B (TCL)												
Prepared by method SW846 5030 Water MS												
71-43-2	Benzene	BRL	U	µg/l	5.0	2.8	5	SW846 1311/8260B	18-Sep-07	18-Sep-07	7091078	EQ
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	50.0	12.2	5	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	5.0	2.9	5	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	5.0	2.6	5	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	5.0	4.0	5	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	5.0	2.1	5	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	5.0	3.0	5	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-21C-(22-24) SA68097-06	5762901	Soil	13-Sep-07 12:30	13-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
TCLP Volatile Organic Compounds by 8260B (TCL)												
Prepared by method SW846 5030 Water MS												
127-18-4	Tetrachloroethene	BRL	U	µg/l	5.0	2.6	5	SW846 1311/8260B	18-Sep-07	18-Sep-07	7091078	EQ
108-88-3	Toluene	BRL	U	µg/l	5.0	3.2	5	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	5.0	2.3	5	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	5.0	4.3	5	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*96*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*96*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*100*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*97*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
319-84-6	alpha-BHC	BRL	U	µg/kg dry	14.8	0.236	1	SW846 8081A	14-Sep-07	17-Sep-07	7090822	RP
319-85-7	beta-BHC	BRL	U	µg/kg dry	14.8	2.42	1	"	"	"	"	"
319-86-8	delta-BHC	BRL	U	µg/kg dry	14.8	0.183	1	"	"	"	"	"
58-89-9	gamma-BHC (Lindane)	BRL	U	µg/kg dry	14.8	0.167	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	14.8	0.399	1	"	"	"	"	"
309-00-2	Aldrin	BRL	U	µg/kg dry	14.8	0.124	1	"	"	"	"	"
1024-57-3	Heptachlor epoxide	BRL	U	µg/kg dry	14.8	0.225	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	14.8	0.606	1	"	"	"	"	"
60-57-1	Dieldrin	BRL	U	µg/kg dry	14.8	0.224	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	14.8	0.343	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	14.8	0.506	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	14.8	0.533	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	14.8	0.345	1	"	"	"	"	"
1031-07-8	Endosulfan sulfate	BRL	U	µg/kg dry	14.8	0.387	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	14.8	0.316	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	14.8	0.151	1	"	"	"	"	"
53494-70-5	Endrin ketone	BRL	U	µg/kg dry	14.8	0.995	1	"	"	"	"	"
7421-93-4	Endrin aldehyde	BRL	U	µg/kg dry	14.8	0.159	1	"	"	"	"	"
5103-71-9	alpha-Chlordane	BRL	U	µg/kg dry	14.8	2.25	1	"	"	"	"	"
5103-74-2	gamma-Chlordane	BRL	U	µg/kg dry	14.8	0.560	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/kg dry	74.1	1.73	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	74.1	0.826	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*61*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*76*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	29.6	1.87	1	SW846 8082	14-Sep-07	17-Sep-07	7090823	SM
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	29.6	1.87	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	29.6	4.35	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	29.6	3.73	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	29.6	4.46	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	29.6	1.35	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	29.6	1.55	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	29.6	0.249	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	29.6	0.119	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-21C-(22-24) SA68097-06	5762901	Soil	13-Sep-07 12:30	13-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*		*30-150 %*				SW846 8082	14-Sep-07	17-Sep-07	7090823	SM
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	SW846 8151A	17-Sep-07	18-Sep-07	7090826	MAL
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	"	"	"	"	"
94-82-6	2,4-DB	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
75-99-0	Dalapon	BRL	U	µg/kg dry	6.70	1.00	1	"	"	"	"	"
1918-00-9	Dicamba	BRL	U	µg/kg dry	6.70	1.00	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL	U	µg/kg dry	6.70	1.20	1	"	"	"	"	"
88-85-7	Dinoseb	BRL	U	µg/kg dry	6.70	0.700	1	"	"	"	"	"
94-74-6	MCPA	BRL	U	µg/kg dry	670	126	1	"	"	"	"	"
94-81-5	MCPB	BRL	U	µg/kg dry	670	88.8	1	"	"	"	"	"
93-65-2	MCPP	BRL	U	µg/kg dry	670	116	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*78*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	270	6.54	1	SW846 8270C	17-Sep-07	18-Sep-07	7090978	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	270	8.17	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	270	20.8	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/kg dry	270	8.17	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/kg dry	270	17.4	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/kg dry	270	9.23	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/kg dry	270	36.0	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/kg dry	270	7.60	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/kg dry	270	10.9	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	270	4.90	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	270	51.8	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	270	31.1	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	270	9.81	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	270	26.1	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	270	5.45	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/kg dry	270	3.84	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	270	4.33	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	270	3.27	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	270	19.6	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	270	7.11	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	270	8.74	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	270	7.60	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	270	7.11	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	270	16.9	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	270	6.54	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	270	13.1	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/kg dry	270	6.54	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	270	6.54	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-21C-(22-24) SA68097-06	5762901	Soil	13-Sep-07 12:30	13-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	270	20.2	1	SW846 8270C	17-Sep-07	18-Sep-07	7090978	M.B
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	270	12.5	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	270	16.3	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	270	5.97	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	270	11.4	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	270	6.54	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	270	10.4	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	270	3.27	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	270	9.23	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	270	9.81	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	270	12.5	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	1080	14.1	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	1080	17.4	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/kg dry	270	12.5	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	270	5.45	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/kg dry	270	19.1	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	270	5.45	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*79*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*81*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*82*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*78*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*74*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*91*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.48	0.346	1	SW846 6010B	15-Sep-07	17-Sep-07	7090888	LR
7429-90-5	Aluminum	3,810		mg/kg dry	1.98	1.23	1	"	"	"	"	"
7440-38-2	Arsenic	1.08	J	mg/kg dry	1.48	0.227	1	"	"	"	"	"
7440-39-3	Barium	28.3		mg/kg dry	0.988	0.166	1	"	"	"	"	"
7440-41-7	Beryllium	0.217	J	mg/kg dry	0.494	0.110	1	"	"	"	"	"
7440-70-2	Calcium	1,320		mg/kg dry	37.0	3.96	1	"	"	"	"	"
7440-43-9	Cadmium	0.267	J	mg/kg dry	0.494	0.0168	1	"	"	"	"	"
7440-48-4	Cobalt	6.26		mg/kg dry	0.988	0.0425	1	"	"	"	"	"
7440-47-3	Chromium	25.8		mg/kg dry	0.988	0.285	1	"	"	"	"	"
7440-50-8	Copper	12.9		mg/kg dry	0.988	0.192	1	"	"	"	"	"
7439-89-6	Iron	9,110		mg/kg dry	1.98	0.497	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/kg dry	0.0328	0.0078	1	SW846 7471A	"	18-Sep-07	7090889	YP
7440-09-7	Potassium	727		mg/kg dry	49.4	17.3	1	SW846 6010B	"	17-Sep-07	7090888	LR
7439-95-4	Magnesium	8,430		mg/kg dry	4.94	0.146	1	"	"	"	"	"
7439-96-5	Manganese	243		mg/kg dry	0.988	0.277	1	"	"	"	"	"
7440-23-5	Sodium	162		mg/kg dry	24.7	5.74	1	"	"	"	"	"
7440-02-0	Nickel	76.2		mg/kg dry	0.988	0.0968	1	"	"	"	"	"
7439-92-1	Lead	5.13		mg/kg dry	1.48	0.154	1	"	"	"	"	"
7440-36-0	Antimony	0.459	J	mg/kg dry	2.96	0.360	1	"	"	"	"	"
7782-49-2	Selenium	0.573	J	mg/kg dry	1.48	0.319	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	2.96	0.463	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-21C-(22-24) SA68097-06	5762901	Soil	13-Sep-07 12:30	13-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-62-2	Vanadium	11.8		mg/kg dry	1.48	0.733	1	SW846 6010B	15-Sep-07	17-Sep-07	7090888	LR
7440-66-6	Zinc	23.4		mg/kg dry	0.988	0.360	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	91.3		%			1	SM2540 G Mod.	14-Sep-07	14-Sep-07	7090845	DG
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.08	0.680	1	10-204-00-1-A / SW846 9012A / EPA 335.4	17-Sep-07	17-Sep-07	7091009	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-21C-WC SA68097-07	5762901	Soil	13-Sep-07 12:50	13-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
	TCLP Extraction	Completed		N/A			1	SW846 1311	14-Sep-07	14-Sep-07	7090911	BD
TCLP Pesticides by SW846 1311/8081A												
Prepared by method SW846 3510C												
57-74-9	Chlordane	BRL	U	µg/l	0.400	0.064	1	SW846 1311/8081A	17-Sep-07	17-Sep-07	7090984	RP
72-20-8	Endrin	BRL	U	µg/l	0.080	0.040	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/l	0.080	0.032	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/l	0.080	0.012	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/l	0.400	0.128	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
60-57-1	Dieldrin	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*41*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*64*		*30-150 %*				"	"	"	"	"
TCLP Herbicides by SW846 1311/8151A												
Prepared by method SW846 3535												
94-75-7	2,4-D	BRL	U	µg/l	0.100	0.0190	1	SW846 1311/8151A	17-Sep-07	17-Sep-07	7090985	MAL
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/l	0.100	0.0170	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*53*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
	TCLP Extraction	Completed		N/A			1	SW846 1311	14-Sep-07	14-Sep-07	7090911	BD
TCLP Semivolatiles by SW846 1311/8270C (TCL)												
Prepared by method SW846 3535												
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	5.00	0.220	1	SW846 1311/8270C	17-Sep-07	18-Sep-07	7090987	M.B
121-14-2	2,4-Dinitrotoluene	BRL	U	µg/l	5.00	0.210	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	5.00	0.370	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	5.00	0.560	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL	U	µg/l	5.00	0.510	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.00	0.210	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	10.0	0.240	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	5.00	0.180	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	5.00	0.320	1	"	"	"	"	"
110-86-1	Pyridine	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*108*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*100*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*127*		*30-130 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*109*		*30-130 %*				"	"	"	"	"
TCLP Metals by EPA 1311 & 6000/7000 Series Methods												
	TCLP Extraction	Completed		N/A			1	SW846 1311	14-Sep-07	14-Sep-07	7090910	BD
7440-22-4	Silver	BRL	U	mg/l	0.0100	0.0040	1	SW846 1311/6010B	17-Sep-07	18-Sep-07	7091013	SA

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-21C-WC SA68097-07	5762901	Soil	13-Sep-07 12:50	13-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
TCLP Metals by EPA 1311 & 6000/7000 Series Methods												
7440-38-2	Arsenic	BRL	U	mg/l	0.0080	0.0050	1	SW846 1311/6010B	17-Sep-07	18-Sep-07	7091013	SA
7440-39-3	Barium	0.545		mg/l	0.0100	0.0040	1	"	"	"	"	"
7440-43-9	Cadmium	0.0013	J	mg/l	0.0050	0.0003	1	"	"	"	"	"
7440-47-3	Chromium	0.0098	J	mg/l	0.0100	0.0050	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00008	1	SW846 1311/7470A	"	18-Sep-07	7091016	YP
7439-92-1	Lead	0.0575		mg/l	0.0150	0.0050	1	SW846 1311/6010B	"	18-Sep-07	7091013	SA
7782-49-2	Selenium	BRL	U	mg/l	0.0300	0.0100	1	"	"	"	"	"
Toxicity Characteristics												
	Ignitability by Definition	Negative		N/A			1	SW846 1030	14-Sep-07	14-Sep-07	7090828	BD
	pH	8.49		pH Units			1	SW846 9045C	13-Sep-07 18:30	13-Sep-07	7090817	"
Reactivity Cyanide/Sulfide												
Prepared by method General Preparation												
	Reactivity	Negative		mg/kg dry			1	SW846 Ch. 7.3	17-Sep-07	17-Sep-07	7091043	DN
	Reactive Cyanide	BRL	U	mg/kg dry	24.9	2.49	1	"	"	"	"	"
	Reactive Sulfide	BRL	U	mg/kg dry	49.8	4.98	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	87.3		%			1	SM2540 G Mod.	14-Sep-07	14-Sep-07	7090845	DG

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090879 - SW846 5035A Soil (low level)										
Blank (7090879-BLK1)										
Prepared & Analyzed: 14-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/kg wet	5.0						
Acetone	BRL	U	µg/kg wet	50.0						
Acrylonitrile	BRL	U	µg/kg wet	5.0						
Benzene	BRL	U	µg/kg wet	5.0						
Bromobenzene	BRL	U	µg/kg wet	5.0						
Bromochloromethane	BRL	U	µg/kg wet	5.0						
Bromodichloromethane	BRL	U	µg/kg wet	5.0						
Bromoform	BRL	U	µg/kg wet	5.0						
Bromomethane	BRL	U	µg/kg wet	10.0						
2-Butanone (MEK)	BRL	U	µg/kg wet	50.0						
n-Butylbenzene	BRL	U	µg/kg wet	5.0						
sec-Butylbenzene	BRL	U	µg/kg wet	5.0						
tert-Butylbenzene	BRL	U	µg/kg wet	5.0						
Carbon disulfide	BRL	U	µg/kg wet	25.0						
Carbon tetrachloride	BRL	U	µg/kg wet	5.0						
Chlorobenzene	BRL	U	µg/kg wet	5.0						
Chloroethane	BRL	U	µg/kg wet	10.0						
Chloroform	BRL	U	µg/kg wet	5.0						
Chloromethane	BRL	U	µg/kg wet	10.0						
2-Chlorotoluene	BRL	U	µg/kg wet	5.0						
4-Chlorotoluene	BRL	U	µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/kg wet	10.0						
Dibromochloromethane	BRL	U	µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/kg wet	5.0						
Dibromomethane	BRL	U	µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/kg wet	10.0						
1,1-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,2-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,1-Dichloroethene	BRL	U	µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						
1,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,3-Dichloropropane	BRL	U	µg/kg wet	5.0						
2,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,1-Dichloropropene	BRL	U	µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
Ethylbenzene	BRL	U	µg/kg wet	5.0						
Hexachlorobutadiene	BRL	U	µg/kg wet	5.0						
2-Hexanone (MBK)	BRL	U	µg/kg wet	50.0						
Isopropylbenzene	BRL	U	µg/kg wet	5.0						
4-Isopropyltoluene	BRL	U	µg/kg wet	5.0						
Methyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg wet	50.0						
Methylene chloride	BRL	U	µg/kg wet	50.0						
Naphthalene	BRL	U	µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090879 - SW846 5035A Soil (low level)										
Blank (7090879-BLK1)										
Prepared & Analyzed: 14-Sep-07										
n-Propylbenzene	BRL	U	µg/kg wet	5.0						
Styrene	BRL	U	µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
Tetrachloroethene	BRL	U	µg/kg wet	5.0						
Toluene	BRL	U	µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL	U	µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL	U	µg/kg wet	5.0						
Trichloroethene	BRL	U	µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL	U	µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
Vinyl chloride	BRL	U	µg/kg wet	5.0						
m,p-Xylene	BRL	U	µg/kg wet	10.0						
o-Xylene	BRL	U	µg/kg wet	5.0						
Tetrahydrofuran	BRL	U	µg/kg wet	50.0						
Ethyl ether	BRL	U	µg/kg wet	5.0						
Tert-amyl methyl ether	BRL	U	µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
Di-isopropyl ether	BRL	U	µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/kg wet	50.0						
1,4-Dioxane	BRL	U	µg/kg wet	100						
Surrogate: 4-Bromofluorobenzene	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*51.5*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*57.1*		µg/kg wet		*50.0*		*114*	*70-130*		
Surrogate: Dibromofluoromethane	*52.1*		µg/kg wet		*50.0*		*104*	*70-130*		
LCS (7090879-BS1)										
Prepared & Analyzed: 14-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.0		µg/kg wet		20.0		95	70-130		
Acetone	11.7		µg/kg wet		20.0		58	0-177		
Acrylonitrile	19.4		µg/kg wet		20.0		97	70-130		
Benzene	15.6		µg/kg wet		20.0		78	70-130		
Bromobenzene	18.1		µg/kg wet		20.0		91	70-130		
Bromochloromethane	18.8		µg/kg wet		20.0		94	70-130		
Bromodichloromethane	18.1		µg/kg wet		20.0		91	70-130		
Bromoform	19.8		µg/kg wet		20.0		99	70-130		
Bromomethane	15.6		µg/kg wet		20.0		78	61.3-136		
2-Butanone (MEK)	9.6		µg/kg wet		20.0		48	20.6-137		
n-Butylbenzene	15.5		µg/kg wet		20.0		78	70-130		
sec-Butylbenzene	17.4		µg/kg wet		20.0		87	70-130		
tert-Butylbenzene	17.8		µg/kg wet		20.0		89	70-130		
Carbon disulfide	16.4		µg/kg wet		20.0		82	70-130		
Carbon tetrachloride	17.8		µg/kg wet		20.0		89	70-130		
Chlorobenzene	17.9		µg/kg wet		20.0		90	70-130		
Chloroethane	14.4		µg/kg wet		20.0		72	64.6-134		
Chloroform	17.8		µg/kg wet		20.0		89	70-130		
Chloromethane	16.0		µg/kg wet		20.0		80	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090879 - SW846 5035A Soil (low level)										
LCS (7090879-BS1)										
Prepared & Analyzed: 14-Sep-07										
2-Chlorotoluene	18.1		µg/kg wet		20.0		90	70-130		
4-Chlorotoluene	17.5		µg/kg wet		20.0		87	70-130		
1,2-Dibromo-3-chloropropane	18.4		µg/kg wet		20.0		92	70-130		
Dibromochloromethane	19.3		µg/kg wet		20.0		97	70-137		
1,2-Dibromoethane (EDB)	18.7		µg/kg wet		20.0		94	70-130		
Dibromomethane	19.1		µg/kg wet		20.0		95	70-130		
1,2-Dichlorobenzene	17.9		µg/kg wet		20.0		89	70-130		
1,3-Dichlorobenzene	18.3		µg/kg wet		20.0		92	70-130		
1,4-Dichlorobenzene	17.1		µg/kg wet		20.0		86	70-130		
Dichlorodifluoromethane (Freon12)	17.6		µg/kg wet		20.0		88	29.9-190		
1,1-Dichloroethane	17.7		µg/kg wet		20.0		88	70-130		
1,2-Dichloroethane	17.9		µg/kg wet		20.0		90	70-130		
1,1-Dichloroethene	17.5		µg/kg wet		20.0		88	70-130		
cis-1,2-Dichloroethene	18.2		µg/kg wet		20.0		91	70-130		
trans-1,2-Dichloroethene	17.0		µg/kg wet		20.0		85	70-130		
1,2-Dichloropropane	17.2		µg/kg wet		20.0		86	70-130		
1,3-Dichloropropane	18.7		µg/kg wet		20.0		94	70-130		
2,2-Dichloropropane	17.9		µg/kg wet		20.0		90	70-130		
1,1-Dichloropropene	17.4		µg/kg wet		20.0		87	70-130		
cis-1,3-Dichloropropene	18.4		µg/kg wet		20.0		92	70-130		
trans-1,3-Dichloropropene	18.5		µg/kg wet		20.0		93	70-130		
Ethylbenzene	17.5		µg/kg wet		20.0		88	70-130		
Hexachlorobutadiene	15.9		µg/kg wet		20.0		80	60.6-135		
2-Hexanone (MBK)	17.7		µg/kg wet		20.0		88	70-130		
Isopropylbenzene	16.7		µg/kg wet		20.0		83	70-130		
4-Isopropyltoluene	16.8		µg/kg wet		20.0		84	70-130		
Methyl tert-butyl ether	18.4		µg/kg wet		20.0		92	70-130		
4-Methyl-2-pentanone (MIBK)	18.4		µg/kg wet		20.0		92	46-139		
Methylene chloride	16.9		µg/kg wet		20.0		85	70-130		
Naphthalene	16.3		µg/kg wet		20.0		82	70-130		
n-Propylbenzene	16.8		µg/kg wet		20.0		84	70-130		
Styrene	18.0		µg/kg wet		20.0		90	70-130		
1,1,1,2-Tetrachloroethane	18.2		µg/kg wet		20.0		91	70-130		
1,1,2,2-Tetrachloroethane	19.1		µg/kg wet		20.0		96	70-130		
Tetrachloroethene	16.9		µg/kg wet		20.0		85	70-130		
Toluene	16.5		µg/kg wet		20.0		82	70-130		
1,2,3-Trichlorobenzene	20.7		µg/kg wet		20.0		104	70-130		
1,2,4-Trichlorobenzene	19.7		µg/kg wet		20.0		99	70-130		
1,1,1-Trichloroethane	18.1		µg/kg wet		20.0		90	70-130		
1,1,2-Trichloroethane	18.7		µg/kg wet		20.0		93	70-130		
Trichloroethene	17.2		µg/kg wet		20.0		86	70-130		
Trichlorofluoromethane (Freon 11)	18.2		µg/kg wet		20.0		91	56.6-150		
1,2,3-Trichloropropane	22.1		µg/kg wet		20.0		110	70-130		
1,2,4-Trimethylbenzene	17.1		µg/kg wet		20.0		86	70-130		
1,3,5-Trimethylbenzene	17.3		µg/kg wet		20.0		87	70-130		
Vinyl chloride	17.9		µg/kg wet		20.0		90	70-130		
m,p-Xylene	34.3		µg/kg wet		40.0		86	70-130		
o-Xylene	18.0		µg/kg wet		20.0		90	70-130		
Tetrahydrofuran	18.8		µg/kg wet		20.0		94	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090879 - SW846 5035A Soil (low level)										
LCS (7090879-BS1)										
Prepared & Analyzed: 14-Sep-07										
Ethyl ether	18.4		µg/kg wet		20.0		92	64.1-136		
Tert-amyl methyl ether	17.8		µg/kg wet		20.0		89	70-130		
Ethyl tert-butyl ether	19.0		µg/kg wet		20.0		95	70-130		
Di-isopropyl ether	17.8		µg/kg wet		20.0		89	70-130		
Tert-Butanol / butyl alcohol	186		µg/kg wet		200		93	70-130		
1,4-Dioxane	200		µg/kg wet		200		100	34.8-156		
Surrogate: 4-Bromofluorobenzene	*52.0*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*50.3*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
LCS Dup (7090879-BSD1)										
Prepared & Analyzed: 14-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.0		µg/kg wet		20.0		90	70-130	5	25
Acetone	10.0		µg/kg wet		20.0		50	0-177	16	50
Acrylonitrile	18.3		µg/kg wet		20.0		92	70-130	6	25
Benzene	15.2		µg/kg wet		20.0		76	70-130	3	25
Bromobenzene	18.0		µg/kg wet		20.0		90	70-130	0.9	25
Bromochloromethane	17.9		µg/kg wet		20.0		90	70-130	5	25
Bromodichloromethane	18.2		µg/kg wet		20.0		91	70-130	0.2	25
Bromoform	19.2		µg/kg wet		20.0		96	70-130	3	25
Bromomethane	15.1		µg/kg wet		20.0		75	61.3-136	3	50
2-Butanone (MEK)	11.4		µg/kg wet		20.0		57	20.6-137	17	50
n-Butylbenzene	15.6		µg/kg wet		20.0		78	70-130	0.7	25
sec-Butylbenzene	17.0		µg/kg wet		20.0		85	70-130	2	25
tert-Butylbenzene	17.5		µg/kg wet		20.0		88	70-130	1	25
Carbon disulfide	15.9		µg/kg wet		20.0		80	70-130	3	25
Carbon tetrachloride	17.2		µg/kg wet		20.0		86	70-130	3	25
Chlorobenzene	17.8		µg/kg wet		20.0		89	70-130	0.3	25
Chloroethane	15.2		µg/kg wet		20.0		76	64.6-134	5	50
Chloroform	17.2		µg/kg wet		20.0		86	70-130	3	25
Chloromethane	15.6		µg/kg wet		20.0		78	70-130	3	25
2-Chlorotoluene	18.0		µg/kg wet		20.0		90	70-130	0.3	25
4-Chlorotoluene	17.3		µg/kg wet		20.0		86	70-130	1	25
1,2-Dibromo-3-chloropropane	18.3		µg/kg wet		20.0		92	70-130	0.05	25
Dibromochloromethane	18.0		µg/kg wet		20.0		90	70-137	7	50
1,2-Dibromoethane (EDB)	18.3		µg/kg wet		20.0		91	70-130	2	25
Dibromomethane	18.8		µg/kg wet		20.0		94	70-130	1	25
1,2-Dichlorobenzene	17.7		µg/kg wet		20.0		89	70-130	0.9	25
1,3-Dichlorobenzene	18.1		µg/kg wet		20.0		90	70-130	1	25
1,4-Dichlorobenzene	16.9		µg/kg wet		20.0		85	70-130	1	25
Dichlorodifluoromethane (Freon12)	17.5		µg/kg wet		20.0		88	29.9-190	0.7	50
1,1-Dichloroethane	17.2		µg/kg wet		20.0		86	70-130	3	25
1,2-Dichloroethane	17.7		µg/kg wet		20.0		88	70-130	1	25
1,1-Dichloroethene	16.8		µg/kg wet		20.0		84	70-130	4	25
cis-1,2-Dichloroethene	17.4		µg/kg wet		20.0		87	70-130	5	25
trans-1,2-Dichloroethene	16.4		µg/kg wet		20.0		82	70-130	4	25
1,2-Dichloropropane	17.1		µg/kg wet		20.0		85	70-130	0.8	25
1,3-Dichloropropane	18.2		µg/kg wet		20.0		91	70-130	2	25
2,2-Dichloropropane	17.2		µg/kg wet		20.0		86	70-130	4	25
1,1-Dichloropropene	16.9		µg/kg wet		20.0		85	70-130	3	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090879 - SW846 5035A Soil (low level)										
LCS Dup (7090879-BSD1)										
Prepared & Analyzed: 14-Sep-07										
cis-1,3-Dichloropropene	17.8		µg/kg wet		20.0		89	70-130	3	25
trans-1,3-Dichloropropene	17.9		µg/kg wet		20.0		90	70-130	3	25
Ethylbenzene	17.2		µg/kg wet		20.0		86	70-130	2	25
Hexachlorobutadiene	15.6		µg/kg wet		20.0		78	60.6-135	2	50
2-Hexanone (MBK)	17.0		µg/kg wet		20.0		85	70-130	4	25
Isopropylbenzene	16.5		µg/kg wet		20.0		83	70-130	0.8	25
4-Isopropyltoluene	16.9		µg/kg wet		20.0		84	70-130	0.1	25
Methyl tert-butyl ether	17.6		µg/kg wet		20.0		88	70-130	5	25
4-Methyl-2-pentanone (MIBK)	18.0		µg/kg wet		20.0		90	46-139	2	50
Methylene chloride	16.6		µg/kg wet		20.0		83	70-130	2	25
Naphthalene	15.8		µg/kg wet		20.0		79	70-130	3	25
n-Propylbenzene	16.6		µg/kg wet		20.0		83	70-130	1	25
Styrene	17.6		µg/kg wet		20.0		88	70-130	2	25
1,1,1,2-Tetrachloroethane	17.6		µg/kg wet		20.0		88	70-130	3	25
1,1,2,2-Tetrachloroethane	18.2		µg/kg wet		20.0		91	70-130	5	25
Tetrachloroethene	17.0		µg/kg wet		20.0		85	70-130	0.2	25
Toluene	16.2		µg/kg wet		20.0		81	70-130	2	25
1,2,3-Trichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	0.6	25
1,2,4-Trichlorobenzene	19.6		µg/kg wet		20.0		98	70-130	0.6	25
1,1,1-Trichloroethane	17.7		µg/kg wet		20.0		88	70-130	2	25
1,1,2-Trichloroethane	18.0		µg/kg wet		20.0		90	70-130	4	25
Trichloroethene	16.6		µg/kg wet		20.0		83	70-130	4	25
Trichlorofluoromethane (Freon 11)	17.6		µg/kg wet		20.0		88	56.6-150	3	50
1,2,3-Trichloropropane	21.4		µg/kg wet		20.0		107	70-130	3	25
1,2,4-Trimethylbenzene	16.8		µg/kg wet		20.0		84	70-130	2	25
1,3,5-Trimethylbenzene	17.1		µg/kg wet		20.0		86	70-130	1	25
Vinyl chloride	17.1		µg/kg wet		20.0		86	70-130	5	25
m,p-Xylene	33.4		µg/kg wet		40.0		84	70-130	3	25
o-Xylene	17.6		µg/kg wet		20.0		88	70-130	2	25
Tetrahydrofuran	18.1		µg/kg wet		20.0		90	70-130	4	25
Ethyl ether	17.8		µg/kg wet		20.0		89	64.1-136	3	50
Tert-amyl methyl ether	18.0		µg/kg wet		20.0		90	70-130	0.7	25
Ethyl tert-butyl ether	18.6		µg/kg wet		20.0		93	70-130	2	25
Di-isopropyl ether	17.0		µg/kg wet		20.0		85	70-130	4	25
Tert-Butanol / butyl alcohol	173		µg/kg wet		200		87	70-130	7	25
1,4-Dioxane	175		µg/kg wet		200		87	34.8-156	14	25
Surrogate: 4-Bromofluorobenzene	*52.0*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*50.5*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.2*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*49.7*		µg/kg wet		*50.0*		*99*	*70-130*		
Batch 7091002 - SW846 5035A Soil (low level)										
Blank (7091002-BLK1)										
Prepared & Analyzed: 17-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/kg wet	5.0						
Acetone	BRL	U	µg/kg wet	50.0						
Acrylonitrile	BRL	U	µg/kg wet	5.0						
Benzene	BRL	U	µg/kg wet	5.0						
Bromobenzene	BRL	U	µg/kg wet	5.0						
Bromochloromethane	BRL	U	µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091002 - SW846 5035A Soil (low level)										
Blank (7091002-BLK1)										
Prepared & Analyzed: 17-Sep-07										
Bromodichloromethane	BRL	U	µg/kg wet	5.0						
Bromoform	BRL	U	µg/kg wet	5.0						
Bromomethane	BRL	U	µg/kg wet	10.0						
2-Butanone (MEK)	BRL	U	µg/kg wet	50.0						
n-Butylbenzene	BRL	U	µg/kg wet	5.0						
sec-Butylbenzene	BRL	U	µg/kg wet	5.0						
tert-Butylbenzene	BRL	U	µg/kg wet	5.0						
Carbon disulfide	BRL	U	µg/kg wet	25.0						
Carbon tetrachloride	BRL	U	µg/kg wet	5.0						
Chlorobenzene	BRL	U	µg/kg wet	5.0						
Chloroethane	BRL	U	µg/kg wet	10.0						
Chloroform	BRL	U	µg/kg wet	5.0						
Chloromethane	BRL	U	µg/kg wet	10.0						
2-Chlorotoluene	BRL	U	µg/kg wet	5.0						
4-Chlorotoluene	BRL	U	µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/kg wet	10.0						
Dibromochloromethane	BRL	U	µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/kg wet	5.0						
Dibromomethane	BRL	U	µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/kg wet	10.0						
1,1-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,2-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,1-Dichloroethene	BRL	U	µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						
1,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,3-Dichloropropane	BRL	U	µg/kg wet	5.0						
2,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,1-Dichloropropene	BRL	U	µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
Ethylbenzene	BRL	U	µg/kg wet	5.0						
Hexachlorobutadiene	BRL	U	µg/kg wet	5.0						
2-Hexanone (MBK)	BRL	U	µg/kg wet	50.0						
Isopropylbenzene	BRL	U	µg/kg wet	5.0						
4-Isopropyltoluene	BRL	U	µg/kg wet	5.0						
Methyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg wet	50.0						
Methylene chloride	BRL	U	µg/kg wet	50.0						
Naphthalene	BRL	U	µg/kg wet	5.0						
n-Propylbenzene	BRL	U	µg/kg wet	5.0						
Styrene	BRL	U	µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
Tetrachloroethene	BRL	U	µg/kg wet	5.0						
Toluene	BRL	U	µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091002 - SW846 5035A Soil (low level)										
Blank (7091002-BLK1)										
Prepared & Analyzed: 17-Sep-07										
1,2,3-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL	U	µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL	U	µg/kg wet	5.0						
Trichloroethene	BRL	U	µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL	U	µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
Vinyl chloride	BRL	U	µg/kg wet	5.0						
m,p-Xylene	BRL	U	µg/kg wet	10.0						
o-Xylene	BRL	U	µg/kg wet	5.0						
Tetrahydrofuran	BRL	U	µg/kg wet	50.0						
Ethyl ether	BRL	U	µg/kg wet	5.0						
Tert-amyl methyl ether	BRL	U	µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
Di-isopropyl ether	BRL	U	µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/kg wet	50.0						
1,4-Dioxane	BRL	U	µg/kg wet	100						
Surrogate: 4-Bromofluorobenzene	*49.2*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*51.7*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*58.5*		µg/kg wet		*50.0*		*117*	*70-130*		
Surrogate: Dibromofluoromethane	*52.4*		µg/kg wet		*50.0*		*105*	*70-130*		
LCS (7091002-BS1)										
Prepared & Analyzed: 17-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.0		µg/kg wet		20.0		120	70-130		
Acetone	16.4		µg/kg wet		20.0		82	0-177		
Acrylonitrile	21.1		µg/kg wet		20.0		105	70-130		
Benzene	16.9		µg/kg wet		20.0		84	70-130		
Bromobenzene	19.4		µg/kg wet		20.0		97	70-130		
Bromochloromethane	19.3		µg/kg wet		20.0		97	70-130		
Bromodichloromethane	19.4		µg/kg wet		20.0		97	70-130		
Bromoform	20.1		µg/kg wet		20.0		100	70-130		
Bromomethane	17.1		µg/kg wet		20.0		85	61.3-136		
2-Butanone (MEK)	10.8		µg/kg wet		20.0		54	20.6-137		
n-Butylbenzene	22.4		µg/kg wet		20.0		112	70-130		
sec-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130		
tert-Butylbenzene	19.4		µg/kg wet		20.0		97	70-130		
Carbon disulfide	19.0		µg/kg wet		20.0		95	70-130		
Carbon tetrachloride	19.8		µg/kg wet		20.0		99	70-130		
Chlorobenzene	19.0		µg/kg wet		20.0		95	70-130		
Chloroethane	18.0		µg/kg wet		20.0		90	64.6-134		
Chloroform	18.9		µg/kg wet		20.0		95	70-130		
Chloromethane	18.1		µg/kg wet		20.0		90	70-130		
2-Chlorotoluene	19.8		µg/kg wet		20.0		99	70-130		
4-Chlorotoluene	19.7		µg/kg wet		20.0		98	70-130		
1,2-Dibromo-3-chloropropane	19.2		µg/kg wet		20.0		96	70-130		
Dibromochloromethane	19.9		µg/kg wet		20.0		100	70-137		
1,2-Dibromoethane (EDB)	19.0		µg/kg wet		20.0		95	70-130		
Dibromomethane	19.6		µg/kg wet		20.0		98	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091002 - SW846 5035A Soil (low level)										
LCS (7091002-BS1)										
Prepared & Analyzed: 17-Sep-07										
1,2-Dichlorobenzene	19.1		µg/kg wet		20.0		95	70-130		
1,3-Dichlorobenzene	21.0		µg/kg wet		20.0		105	70-130		
1,4-Dichlorobenzene	19.3		µg/kg wet		20.0		97	70-130		
Dichlorodifluoromethane (Freon12)	20.1		µg/kg wet		20.0		101	29.9-190		
1,1-Dichloroethane	19.3		µg/kg wet		20.0		96	70-130		
1,2-Dichloroethane	18.8		µg/kg wet		20.0		94	70-130		
1,1-Dichloroethene	19.2		µg/kg wet		20.0		96	70-130		
cis-1,2-Dichloroethene	19.2		µg/kg wet		20.0		96	70-130		
trans-1,2-Dichloroethene	18.5		µg/kg wet		20.0		93	70-130		
1,2-Dichloropropane	18.4		µg/kg wet		20.0		92	70-130		
1,3-Dichloropropane	19.7		µg/kg wet		20.0		99	70-130		
2,2-Dichloropropane	18.1		µg/kg wet		20.0		91	70-130		
1,1-Dichloropropene	20.4		µg/kg wet		20.0		102	70-130		
cis-1,3-Dichloropropene	18.8		µg/kg wet		20.0		94	70-130		
trans-1,3-Dichloropropene	18.9		µg/kg wet		20.0		95	70-130		
Ethylbenzene	19.0		µg/kg wet		20.0		95	70-130		
Hexachlorobutadiene	22.0		µg/kg wet		20.0		110	60.6-135		
2-Hexanone (MBK)	18.2		µg/kg wet		20.0		91	70-130		
Isopropylbenzene	18.5		µg/kg wet		20.0		92	70-130		
4-Isopropyltoluene	20.8		µg/kg wet		20.0		104	70-130		
Methyl tert-butyl ether	18.4		µg/kg wet		20.0		92	70-130		
4-Methyl-2-pentanone (MIBK)	19.5		µg/kg wet		20.0		98	46-139		
Methylene chloride	17.8		µg/kg wet		20.0		89	70-130		
Naphthalene	16.6		µg/kg wet		20.0		83	70-130		
n-Propylbenzene	20.1		µg/kg wet		20.0		101	70-130		
Styrene	19.0		µg/kg wet		20.0		95	70-130		
1,1,1,2-Tetrachloroethane	18.6		µg/kg wet		20.0		93	70-130		
1,1,2,2-Tetrachloroethane	18.7		µg/kg wet		20.0		93	70-130		
Tetrachloroethene	21.3		µg/kg wet		20.0		106	70-130		
Toluene	17.9		µg/kg wet		20.0		90	70-130		
1,2,3-Trichlorobenzene	23.5		µg/kg wet		20.0		117	70-130		
1,2,4-Trichlorobenzene	23.9		µg/kg wet		20.0		119	70-130		
1,1,1-Trichloroethane	20.0		µg/kg wet		20.0		100	70-130		
1,1,2-Trichloroethane	19.3		µg/kg wet		20.0		96	70-130		
Trichloroethene	19.3		µg/kg wet		20.0		97	70-130		
Trichlorofluoromethane (Freon 11)	22.0		µg/kg wet		20.0		110	56.6-150		
1,2,3-Trichloropropane	22.0		µg/kg wet		20.0		110	70-130		
1,2,4-Trimethylbenzene	19.0		µg/kg wet		20.0		95	70-130		
1,3,5-Trimethylbenzene	19.2		µg/kg wet		20.0		96	70-130		
Vinyl chloride	17.1		µg/kg wet		20.0		86	70-130		
m,p-Xylene	38.3		µg/kg wet		40.0		96	70-130		
o-Xylene	19.2		µg/kg wet		20.0		96	70-130		
Tetrahydrofuran	20.3		µg/kg wet		20.0		102	70-130		
Ethyl ether	20.0		µg/kg wet		20.0		100	64.1-136		
Tert-amyl methyl ether	18.5		µg/kg wet		20.0		92	70-130		
Ethyl tert-butyl ether	19.4		µg/kg wet		20.0		97	70-130		
Di-isopropyl ether	18.3		µg/kg wet		20.0		91	70-130		
Tert-Butanol / butyl alcohol	183		µg/kg wet		200		91	70-130		
1,4-Dioxane	178		µg/kg wet		200		89	34.8-156		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091002 - SW846 5035A Soil (low level)										
LCS (7091002-BS1)										
Prepared & Analyzed: 17-Sep-07										
Surrogate: 4-Bromofluorobenzene	*52.6*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*51.3*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.9*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
LCS Dup (7091002-BSD1)										
Prepared & Analyzed: 17-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.8		µg/kg wet		20.0		109	70-130	10	25
Acetone	26.7		µg/kg wet		20.0		134	0-177	48	50
Acrylonitrile	20.8		µg/kg wet		20.0		104	70-130	1	25
Benzene	17.1		µg/kg wet		20.0		86	70-130	2	25
Bromobenzene	19.4		µg/kg wet		20.0		97	70-130	0.1	25
Bromochloromethane	19.4		µg/kg wet		20.0		97	70-130	0.2	25
Bromodichloromethane	19.5		µg/kg wet		20.0		97	70-130	0.6	25
Bromoform	20.5		µg/kg wet		20.0		102	70-130	2	25
Bromomethane	17.2		µg/kg wet		20.0		86	61.3-136	0.9	50
2-Butanone (MEK)	13.0		µg/kg wet		20.0		65	20.6-137	19	50
n-Butylbenzene	18.6		µg/kg wet		20.0		93	70-130	19	25
sec-Butylbenzene	19.5		µg/kg wet		20.0		98	70-130	5	25
tert-Butylbenzene	19.2		µg/kg wet		20.0		96	70-130	0.9	25
Carbon disulfide	19.1		µg/kg wet		20.0		96	70-130	0.4	25
Carbon tetrachloride	20.1		µg/kg wet		20.0		101	70-130	1	25
Chlorobenzene	19.2		µg/kg wet		20.0		96	70-130	1	25
Chloroethane	17.8		µg/kg wet		20.0		89	64.6-134	0.9	50
Chloroform	18.8		µg/kg wet		20.0		94	70-130	0.5	25
Chloromethane	18.8		µg/kg wet		20.0		94	70-130	4	25
2-Chlorotoluene	19.5		µg/kg wet		20.0		97	70-130	2	25
4-Chlorotoluene	18.8		µg/kg wet		20.0		94	70-130	4	25
1,2-Dibromo-3-chloropropane	17.6		µg/kg wet		20.0		88	70-130	9	25
Dibromochloromethane	19.6		µg/kg wet		20.0		98	70-137	2	50
1,2-Dibromoethane (EDB)	19.0		µg/kg wet		20.0		95	70-130	0.05	25
Dibromomethane	19.7		µg/kg wet		20.0		99	70-130	0.9	25
1,2-Dichlorobenzene	19.3		µg/kg wet		20.0		96	70-130	1	25
1,3-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130	6	25
1,4-Dichlorobenzene	18.8		µg/kg wet		20.0		94	70-130	3	25
Dichlorodifluoromethane (Freon12)	20.0		µg/kg wet		20.0		100	29.9-190	0.6	50
1,1-Dichloroethane	19.5		µg/kg wet		20.0		98	70-130	1	25
1,2-Dichloroethane	18.6		µg/kg wet		20.0		93	70-130	1	25
1,1-Dichloroethene	20.1		µg/kg wet		20.0		101	70-130	5	25
cis-1,2-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130	1	25
trans-1,2-Dichloroethene	18.6		µg/kg wet		20.0		93	70-130	0.6	25
1,2-Dichloropropane	18.9		µg/kg wet		20.0		94	70-130	3	25
1,3-Dichloropropane	19.3		µg/kg wet		20.0		97	70-130	2	25
2,2-Dichloropropane	18.6		µg/kg wet		20.0		93	70-130	3	25
1,1-Dichloropropene	20.1		µg/kg wet		20.0		100	70-130	2	25
cis-1,3-Dichloropropene	18.2		µg/kg wet		20.0		91	70-130	3	25
trans-1,3-Dichloropropene	19.1		µg/kg wet		20.0		96	70-130	0.8	25
Ethylbenzene	18.9		µg/kg wet		20.0		95	70-130	0.3	25
Hexachlorobutadiene	17.9		µg/kg wet		20.0		90	60.6-135	20	50
2-Hexanone (MBK)	17.8		µg/kg wet		20.0		89	70-130	2	25
Isopropylbenzene	18.5		µg/kg wet		20.0		93	70-130	0.3	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091002 - SW846 5035A Soil (low level)										
LCS Dup (7091002-BSD1)										
Prepared & Analyzed: 17-Sep-07										
4-Isopropyltoluene	19.2		µg/kg wet		20.0		96	70-130	8	25
Methyl tert-butyl ether	18.3		µg/kg wet		20.0		91	70-130	0.9	25
4-Methyl-2-pentanone (MIBK)	18.9		µg/kg wet		20.0		95	46-139	3	50
Methylene chloride	18.6		µg/kg wet		20.0		93	70-130	4	25
Naphthalene	15.9		µg/kg wet		20.0		79	70-130	4	25
n-Propylbenzene	18.8		µg/kg wet		20.0		94	70-130	7	25
Styrene	18.7		µg/kg wet		20.0		94	70-130	1	25
1,1,1,2-Tetrachloroethane	18.7		µg/kg wet		20.0		93	70-130	0.6	25
1,1,2,2-Tetrachloroethane	19.0		µg/kg wet		20.0		95	70-130	1	25
Tetrachloroethene	19.6		µg/kg wet		20.0		98	70-130	8	25
Toluene	18.0		µg/kg wet		20.0		90	70-130	0.3	25
1,2,3-Trichlorobenzene	22.0		µg/kg wet		20.0		110	70-130	7	25
1,2,4-Trichlorobenzene	21.3		µg/kg wet		20.0		106	70-130	12	25
1,1,1-Trichloroethane	20.5		µg/kg wet		20.0		102	70-130	3	25
1,1,2-Trichloroethane	20.5		µg/kg wet		20.0		102	70-130	6	25
Trichloroethene	19.6		µg/kg wet		20.0		98	70-130	1	25
Trichlorofluoromethane (Freon 11)	21.6		µg/kg wet		20.0		108	56.6-150	2	50
1,2,3-Trichloropropane	22.1		µg/kg wet		20.0		110	70-130	0.5	25
1,2,4-Trimethylbenzene	18.4		µg/kg wet		20.0		92	70-130	3	25
1,3,5-Trimethylbenzene	18.8		µg/kg wet		20.0		94	70-130	3	25
Vinyl chloride	20.8		µg/kg wet		20.0		104	70-130	19	25
m,p-Xylene	36.8		µg/kg wet		40.0		92	70-130	4	25
o-Xylene	19.4		µg/kg wet		20.0		97	70-130	1	25
Tetrahydrofuran	19.3		µg/kg wet		20.0		97	70-130	5	25
Ethyl ether	19.1		µg/kg wet		20.0		95	64.1-136	5	50
Tert-amyl methyl ether	17.6		µg/kg wet		20.0		88	70-130	5	25
Ethyl tert-butyl ether	19.4		µg/kg wet		20.0		97	70-130	0.1	25
Di-isopropyl ether	18.4		µg/kg wet		20.0		92	70-130	0.7	25
Tert-Butanol / butyl alcohol	185		µg/kg wet		200		93	70-130	1	25
1,4-Dioxane	197		µg/kg wet		200		99	34.8-156	10	25
Surrogate: 4-Bromofluorobenzene	*52.1*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.6*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: Dibromofluoromethane	*50.2*		µg/kg wet		*50.0*		*100*	*70-130*		
Batch 7091025 - SW846 5030 Water MS										
Blank (7091025-BLK1)										
Prepared & Analyzed: 17-Sep-07										
Benzene	BRL	U	µg/l	1.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroform	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
Surrogate: 4-Bromofluorobenzene	*29.0*		µg/l		*30.0*		*96*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091025 - SW846 5030 Water MS										
Blank (7091025-BLK1)										
Prepared & Analyzed: 17-Sep-07										
Surrogate: Toluene-d8	*29.2*		µg/l		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.7*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*30.1*		µg/l		*30.0*		*100*	*70-130*		
LCS (7091025-BS1)										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Benzene	21.7		µg/l		20.0		109	70-130		
2-Butanone (MEK)	23.9		µg/l		20.0		120	70-130		
Carbon tetrachloride	19.7		µg/l		20.0		98	70-130		
Chlorobenzene	20.3		µg/l		20.0		102	70-130		
Chloroform	20.6		µg/l		20.0		103	70-130		
1,2-Dichloroethane	19.8		µg/l		20.0		99	70-130		
1,1-Dichloroethene	23.0		µg/l		20.0		115	70-130		
Tetrachloroethene	21.0		µg/l		20.0		105	70-130		
Trichloroethene	20.7		µg/l		20.0		104	70-130		
Vinyl chloride	21.6		µg/l		20.0		108	70-130		
Surrogate: 4-Bromofluorobenzene	*28.7*		µg/l		*30.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*29.8*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.4*		µg/l		*30.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*29.6*		µg/l		*30.0*		*99*	*70-130*		
LCS Dup (7091025-BSD1)										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Benzene	21.3		µg/l		20.0		107	70-130	2	30
2-Butanone (MEK)	25.9		µg/l		20.0		130	70-130	8	30
Carbon tetrachloride	19.9		µg/l		20.0		100	70-130	1	30
Chlorobenzene	19.6		µg/l		20.0		98	70-130	4	30
Chloroform	19.8		µg/l		20.0		99	70-130	4	30
1,2-Dichloroethane	19.2		µg/l		20.0		96	70-130	3	30
1,1-Dichloroethene	21.8		µg/l		20.0		109	70-130	5	30
Tetrachloroethene	22.0		µg/l		20.0		110	70-130	5	30
Trichloroethene	20.0		µg/l		20.0		100	70-130	3	30
Vinyl chloride	21.8		µg/l		20.0		109	70-130	1	30
Surrogate: 4-Bromofluorobenzene	*27.4*		µg/l		*30.0*		*91*	*70-130*		
Surrogate: Toluene-d8	*29.7*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.8*		µg/l		*30.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*29.4*		µg/l		*30.0*		*98*	*70-130*		
Matrix Spike (7091025-MS1) **Source: SA67758-01**										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Benzene	25.5		µg/l		20.0	BRL	128	70-130		
Chlorobenzene	22.2		µg/l		20.0	BRL	111	70-130		
1,1-Dichloroethene	24.9		µg/l		20.0	BRL	124	70-130		
Toluene	22.2		µg/l		20.0	BRL	111	70-130		
Trichloroethene	23.6		µg/l		20.0	BRL	118	70-130		
Surrogate: 4-Bromofluorobenzene	*29.0*		µg/l		*30.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*27.8*		µg/l		*30.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.4*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*29.4*		µg/l		*30.0*		*98*	*70-130*		
Matrix Spike Dup (7091025-MSD1) **Source: SA67758-01**										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Benzene	25.8		µg/l		20.0	BRL	129	70-130	1	30
Chlorobenzene	22.8		µg/l		20.0	BRL	114	70-130	3	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091025 - SW846 5030 Water MS										
Matrix Spike Dup (7091025-MSD1) **Source: SA67758-01**										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
1,1-Dichloroethene	24.8		µg/l		20.0	BRL	124	70-130	0.4	30
Toluene	22.3		µg/l		20.0	BRL	112	70-130	0.8	30
Trichloroethene	23.2		µg/l		20.0	BRL	116	70-130	2	30
Surrogate: 4-Bromofluorobenzene	*28.3*		µg/l		*30.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*28.2*		µg/l		*30.0*		*94*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.5*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*28.7*		µg/l		*30.0*		*96*	*70-130*		
Batch 7091078 - SW846 5030 Water MS										
Blank (7091078-BLK1)										
Prepared & Analyzed: 18-Sep-07										
Benzene	BRL	U	µg/l	1.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroform	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
Surrogate: 4-Bromofluorobenzene	*28.6*		µg/l		*30.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*29.8*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.7*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*30.1*		µg/l		*30.0*		*100*	*70-130*		
LCS (7091078-BS1)										
Prepared & Analyzed: 18-Sep-07										
Benzene	24.3		µg/l		20.0		121	70-130		
2-Butanone (MEK)	15.0		µg/l		20.0		75	70-130		
Carbon tetrachloride	22.5		µg/l		20.0		112	70-130		
Chlorobenzene	23.3		µg/l		20.0		116	70-130		
Chloroform	23.2		µg/l		20.0		116	70-130		
1,2-Dichloroethane	21.8		µg/l		20.0		109	70-130		
1,1-Dichloroethene	26.1		µg/l		20.0		130	70-130		
Tetrachloroethene	22.6		µg/l		20.0		113	70-130		
Trichloroethene	23.0		µg/l		20.0		115	70-130		
Vinyl chloride	27.6	QC1	µg/l		20.0		138	70-130		
Surrogate: 4-Bromofluorobenzene	*29.6*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*29.0*		µg/l		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.8*		µg/l		*30.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*28.6*		µg/l		*30.0*		*95*	*70-130*		
LCS Dup (7091078-BSD1)										
Prepared & Analyzed: 18-Sep-07										
Benzene	21.1		µg/l		20.0		106	70-130	14	30
2-Butanone (MEK)	21.8	QR2	µg/l		20.0		109	70-130	37	30
Carbon tetrachloride	20.2		µg/l		20.0		101	70-130	11	30
Chlorobenzene	19.8		µg/l		20.0		99	70-130	16	30
Chloroform	20.8		µg/l		20.0		104	70-130	11	30
1,2-Dichloroethane	19.3		µg/l		20.0		96	70-130	12	30
1,1-Dichloroethene	23.3		µg/l		20.0		116	70-130	11	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091078 - SW846 5030 Water MS										
LCS Dup (7091078-BSD1)										
Prepared & Analyzed: 18-Sep-07										
Tetrachloroethene	21.7		µg/l		20.0		109	70-130	4	30
Trichloroethene	20.2		µg/l		20.0		101	70-130	13	30
Vinyl chloride	22.4		µg/l		20.0		112	70-130	21	30
Surrogate: 4-Bromofluorobenzene	*28.9*		µg/l		*30.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*29.3*		µg/l		*30.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.8*		µg/l		*30.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*29.6*		µg/l		*30.0*		*99*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090822 - SW846 3550B										
Blank (7090822-BLK1)										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
alpha-BHC	BRL	U	µg/kg wet	14.3						
alpha-BHC [2C]	BRL	U	µg/kg wet	14.3						
beta-BHC	BRL	U	µg/kg wet	14.3						
beta-BHC [2C]	BRL	U	µg/kg wet	14.3						
delta-BHC	BRL	U	µg/kg wet	14.3						
delta-BHC [2C]	BRL	U	µg/kg wet	14.3						
gamma-BHC (Lindane)	BRL	U	µg/kg wet	14.3						
gamma-BHC (Lindane) [2C]	BRL	U	µg/kg wet	14.3						
Heptachlor	BRL	U	µg/kg wet	14.3						
Heptachlor [2C]	BRL	U	µg/kg wet	14.3						
Aldrin	BRL	U	µg/kg wet	14.3						
Aldrin [2C]	BRL	U	µg/kg wet	14.3						
Heptachlor epoxide	BRL	U	µg/kg wet	14.3						
Heptachlor Epoxide [2C]	BRL	U	µg/kg wet	14.3						
Endosulfan I	BRL	U	µg/kg wet	14.3						
Endosulfan I [2C]	BRL	U	µg/kg wet	14.3						
Dieldrin	BRL	U	µg/kg wet	14.3						
Dieldrin [2C]	BRL	U	µg/kg wet	14.3						
4,4'-DDE (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDE (p,p') [2C]	BRL	U	µg/kg wet	14.3						
Endrin	BRL	U	µg/kg wet	14.3						
Endrin [2C]	BRL	U	µg/kg wet	14.3						
Endosulfan II	BRL	U	µg/kg wet	14.3						
Endosulfan II [2C]	BRL	U	µg/kg wet	14.3						
4,4'-DDD (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDD (p,p') [2C]	BRL	U	µg/kg wet	14.3						
Endosulfan sulfate	BRL	U	µg/kg wet	14.3						
Endosulfan Sulfate [2C]	BRL	U	µg/kg wet	14.3						
4,4'-DDT (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDT (p,p') [2C]	BRL	U	µg/kg wet	14.3						
Methoxychlor	BRL	U	µg/kg wet	14.3						
Methoxychlor [2C]	BRL	U	µg/kg wet	14.3						
Endrin ketone	BRL	U	µg/kg wet	14.3						
Endrin ketone [2C]	BRL	U	µg/kg wet	14.3						
Endrin aldehyde	BRL	U	µg/kg wet	14.3						
Endrin Aldehyde [2C]	BRL	U	µg/kg wet	14.3						
alpha-Chlordane	BRL	U	µg/kg wet	14.3						
alpha-Chlordane [2C]	BRL	U	µg/kg wet	14.3						
gamma-Chlordane	BRL	U	µg/kg wet	14.3						
gamma-Chlordane [2C]	BRL	U	µg/kg wet	14.3						
Toxaphene	BRL	U	µg/kg wet	71.5						
Toxaphene [2C]	BRL	U	µg/kg wet	71.5						
Chlordane	BRL	U	µg/kg wet	71.5						
Chlordane [2C]	BRL	U	µg/kg wet	71.5						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.9*		µg/kg wet		*28.6*		*59*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*16.1*		µg/kg wet		*28.6*		*56*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.3*		µg/kg wet		*28.6*		*71*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*27.0*		µg/kg wet		*28.6*		*94*	*30-150*		
LCS (7090822-BS1)										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090822 - SW846 3550B										
LCS (7090822-BS1)										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
alpha-BHC	26.7		µg/kg wet	14.3				40-140		
alpha-BHC [2C]	27.2		µg/kg wet	14.3				40-140		
beta-BHC	25.4		µg/kg wet	14.3				40-140		
beta-BHC [2C]	32.7		µg/kg wet	14.3				40-140		
delta-BHC	22.3		µg/kg wet	14.3				40-140		
delta-BHC [2C]	23.6		µg/kg wet	14.3				40-140		
gamma-BHC (Lindane)	26.6		µg/kg wet	14.3				50-120		
gamma-BHC (Lindane) [2C]	27.0		µg/kg wet	14.3				50-120		
Heptachlor	27.7		µg/kg wet	14.3	28.6		97	40-140		
Heptachlor [2C]	29.1		µg/kg wet	14.3				40-140		
Aldrin	27.4		µg/kg wet	14.3	28.6		96	40-140		
Aldrin [2C]	29.1		µg/kg wet	14.3				40-140		
Heptachlor epoxide	27.7		µg/kg wet	14.3	28.6		97	50-150		
Heptachlor Epoxide [2C]	29.7		µg/kg wet	14.3				50-150		
Endosulfan I	28.9		µg/kg wet	14.3	28.6		101	40-140		
Endosulfan I [2C]	30.7		µg/kg wet	14.3				40-140		
Dieldrin	28.1		µg/kg wet	14.3	28.6		98	30-130		
Dieldrin [2C]	30.7		µg/kg wet	14.3				30-130		
4,4'-DDE (p,p')	28.4		µg/kg wet	14.3	28.6		99	50-150		
4,4'-DDE (p,p') [2C]	31.0		µg/kg wet	14.3				50-150		
Endrin	25.8		µg/kg wet	14.3	28.6		90	50-120		
Endrin [2C]	29.9		µg/kg wet	14.3				50-120		
Endosulfan II	29.0		µg/kg wet	14.3	28.6		101	40-140		
Endosulfan II [2C]	33.8		µg/kg wet	14.3				40-140		
4,4'-DDD (p,p')	27.6		µg/kg wet	14.3	28.6		96	40-140		
4,4'-DDD (p,p') [2C]	31.1		µg/kg wet	14.3				40-140		
Endosulfan sulfate	26.5		µg/kg wet	14.3	28.6		93	50-120		
Endosulfan Sulfate [2C]	30.4		µg/kg wet	14.3				50-120		
4,4'-DDT (p,p')	27.2		µg/kg wet	14.3	28.6		95	40-140		
4,4'-DDT (p,p') [2C]	34.8		µg/kg wet	14.3				40-140		
Methoxychlor	24.9		µg/kg wet	14.3	28.6		87	40-140		
Methoxychlor [2C]	33.0		µg/kg wet	14.3				40-140		
Endrin ketone	27.3		µg/kg wet	14.3	28.6		96	40-140		
Endrin ketone [2C]	33.4		µg/kg wet	14.3				40-140		
Endrin aldehyde	27.1		µg/kg wet	14.3	28.6		95	40-140		
Endrin Aldehyde [2C]	30.9		µg/kg wet	14.3				40-140		
alpha-Chlordane	27.5		µg/kg wet	14.3	28.6		96	40-140		
alpha-Chlordane [2C]	30.0		µg/kg wet	14.3				40-140		
gamma-Chlordane	27.6		µg/kg wet	14.3	28.6		97	30-130		
gamma-Chlordane [2C]	29.7		µg/kg wet	14.3				30-130		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.3*		µg/kg wet		*28.6*		*46*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.1*		µg/kg wet		*28.6*		*53*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*18.3*		µg/kg wet		*28.6*		*64*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.7*		µg/kg wet		*28.6*		*83*	*30-150*		
LCS Dup (7090822-BSD1)										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
alpha-BHC	27.5		µg/kg wet	14.3				40-140		30
alpha-BHC [2C]	26.2		µg/kg wet	14.3				40-140		30
beta-BHC	26.0		µg/kg wet	14.3				40-140		30
beta-BHC [2C]	30.5		µg/kg wet	14.3				40-140		30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090822 - SW846 3550B										
LCS Dup (7090822-BSD1)										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
delta-BHC	22.8		µg/kg wet	14.3				40-140		30
delta-BHC [2C]	22.4		µg/kg wet	14.3				40-140		30
gamma-BHC (Lindane)	27.4		µg/kg wet	14.3				50-120		30
gamma-BHC (Lindane) [2C]	26.0		µg/kg wet	14.3				50-120		30
Heptachlor	28.5		µg/kg wet	14.3	28.6		100	40-140	3	30
Heptachlor [2C]	27.8		µg/kg wet	14.3				40-140		30
Aldrin	29.1		µg/kg wet	14.3	28.6		102	40-140	6	30
Aldrin [2C]	28.0		µg/kg wet	14.3				40-140		30
Heptachlor epoxide	28.1		µg/kg wet	14.3	28.6		98	50-150	1	30
Heptachlor Epoxide [2C]	28.1		µg/kg wet	14.3				50-150		30
Endosulfan I	28.5		µg/kg wet	14.3	28.6		100	40-140	1	30
Endosulfan I [2C]	28.6		µg/kg wet	14.3				40-140		30
Dieldrin	29.7		µg/kg wet	14.3	28.6		104	30-130	6	30
Dieldrin [2C]	28.5		µg/kg wet	14.3				30-130		30
4,4'-DDE (p,p')	28.9		µg/kg wet	14.3	28.6		101	50-150	2	30
4,4'-DDE (p,p') [2C]	28.6		µg/kg wet	14.3				50-150		30
Endrin	25.7		µg/kg wet	14.3	28.6		90	50-120	0.3	30
Endrin [2C]	27.2		µg/kg wet	14.3				50-120		30
Endosulfan II	29.8		µg/kg wet	14.3	28.6		104	40-140	3	30
Endosulfan II [2C]	30.4		µg/kg wet	14.3				40-140		30
4,4'-DDD (p,p')	28.8		µg/kg wet	14.3	28.6		101	40-140	4	30
4,4'-DDD (p,p') [2C]	28.5		µg/kg wet	14.3				40-140		30
Endosulfan sulfate	27.8		µg/kg wet	14.3	28.6		97	50-120	5	30
Endosulfan Sulfate [2C]	29.0		µg/kg wet	14.3				50-120		30
4,4'-DDT (p,p')	27.5		µg/kg wet	14.3	28.6		96	40-140	0.9	30
4,4'-DDT (p,p') [2C]	31.4		µg/kg wet	14.3				40-140		30
Methoxychlor	25.2		µg/kg wet	14.3	28.6		88	40-140	1	30
Methoxychlor [2C]	30.1		µg/kg wet	14.3				40-140		30
Endrin ketone	29.3		µg/kg wet	14.3	28.6		103	40-140	7	30
Endrin ketone [2C]	31.7		µg/kg wet	14.3				40-140		30
Endrin aldehyde	28.7		µg/kg wet	14.3	28.6		101	40-140	6	30
Endrin Aldehyde [2C]	28.7		µg/kg wet	14.3				40-140		30
alpha-Chlordane	28.3		µg/kg wet	14.3	28.6		99	40-140	3	30
alpha-Chlordane [2C]	28.6		µg/kg wet	14.3				40-140		30
gamma-Chlordane	29.8		µg/kg wet	14.3	28.6		104	30-130	7	30
gamma-Chlordane [2C]	28.7		µg/kg wet	14.3				30-130		30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.3*		µg/kg wet		*28.6*		*47*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*13.4*		µg/kg wet		*28.6*		*47*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.4*		µg/kg wet		*28.6*		*68*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.8*		µg/kg wet		*28.6*		*80*	*30-150*		
Duplicate (7090822-DUP1) **Source: SA68097-01**										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
alpha-BHC	BRL	U	µg/kg dry	15.8		BRL				30
alpha-BHC [2C]	BRL	U	µg/kg dry	15.8		BRL				30
beta-BHC	BRL	U	µg/kg dry	15.8		BRL				30
beta-BHC [2C]	BRL	U	µg/kg dry	15.8		BRL				30
delta-BHC	BRL	U	µg/kg dry	15.8		BRL				30
delta-BHC [2C]	BRL	U	µg/kg dry	15.8		BRL				30
gamma-BHC (Lindane)	BRL	U	µg/kg dry	15.8		BRL				30
gamma-BHC (Lindane) [2C]	BRL	U	µg/kg dry	15.8		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090822 - SW846 3550B										
Duplicate (7090822-DUP1) **Source: SA68097-01**										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
Heptachlor	BRL	U	µg/kg dry	15.8		BRL				30
Heptachlor [2C]	BRL	U	µg/kg dry	15.8		BRL				30
Aldrin	BRL	U	µg/kg dry	15.8		BRL				30
Aldrin [2C]	BRL	U	µg/kg dry	15.8		BRL				30
Heptachlor epoxide	BRL	U	µg/kg dry	15.8		BRL				30
Heptachlor Epoxide [2C]	BRL	U	µg/kg dry	15.8		BRL				30
Endosulfan I	BRL	U	µg/kg dry	15.8		BRL				30
Endosulfan I [2C]	BRL	U	µg/kg dry	15.8		BRL				30
Dieldrin	BRL	U	µg/kg dry	15.8		BRL				30
Dieldrin [2C]	BRL	U	µg/kg dry	15.8		BRL				30
4,4'-DDE (p,p')	BRL	U	µg/kg dry	15.8		BRL				30
4,4'-DDE (p,p') [2C]	BRL	U	µg/kg dry	15.8		BRL				30
Endrin	BRL	U	µg/kg dry	15.8		BRL				30
Endrin [2C]	BRL	U	µg/kg dry	15.8		BRL				30
Endosulfan II	BRL	U	µg/kg dry	15.8		BRL				30
Endosulfan II [2C]	BRL	U	µg/kg dry	15.8		BRL				30
4,4'-DDD (p,p')	BRL	U	µg/kg dry	15.8		BRL				30
4,4'-DDD (p,p') [2C]	BRL	U	µg/kg dry	15.8		BRL				30
Endosulfan sulfate	BRL	U	µg/kg dry	15.8		BRL				30
Endosulfan Sulfate [2C]	BRL	U	µg/kg dry	15.8		BRL				30
4,4'-DDT (p,p')	84.3		µg/kg dry	15.8		112			28	30
4,4'-DDT (p,p') [2C]	99.2		µg/kg dry	15.8		126			24	30
Methoxychlor	BRL	U	µg/kg dry	15.8		BRL				30
Methoxychlor [2C]	BRL	U	µg/kg dry	15.8		BRL				30
Endrin ketone	BRL	U	µg/kg dry	15.8		BRL				30
Endrin ketone [2C]	BRL	U	µg/kg dry	15.8		BRL				30
Endrin aldehyde	BRL	U	µg/kg dry	15.8		BRL				30
Endrin Aldehyde [2C]	BRL	U	µg/kg dry	15.8		BRL				30
alpha-Chlordane	22.9		µg/kg dry	15.8		19.0			19	30
alpha-Chlordane [2C]	22.1		µg/kg dry	15.8		20.2			9	30
gamma-Chlordane	19.4		µg/kg dry	15.8		17.8			8	30
gamma-Chlordane [2C]	21.9		µg/kg dry	15.8		20.9			4	30
Toxaphene	BRL	U	µg/kg dry	79.1		BRL				30
Toxaphene [2C]	BRL	U	µg/kg dry	79.1		BRL				30
Chlordane	161		µg/kg dry	79.1		134			19	30
Chlordane [2C]	172		µg/kg dry	79.1		154			11	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.8*		µg/kg dry		*31.6*		*59*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*19.7*		µg/kg dry		*31.6*		*62*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.8*		µg/kg dry		*31.6*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*34.2*		µg/kg dry		*31.6*		*108*	*30-150*		
Matrix Spike (7090822-MS1) **Source: SA68097-01**										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
alpha-BHC	31.7		µg/kg dry	15.4		BRL		30-150		
alpha-BHC [2C]	31.1		µg/kg dry	15.4		BRL		30-150		
beta-BHC	27.4		µg/kg dry	15.4		BRL		30-150		
beta-BHC [2C]	30.2		µg/kg dry	15.4		BRL		30-150		
delta-BHC	27.3		µg/kg dry	15.4		BRL		30-150		
delta-BHC [2C]	28.0		µg/kg dry	15.4		BRL		30-150		
gamma-BHC (Lindane)	33.4		µg/kg dry	15.4		BRL		46-127		
gamma-BHC (Lindane) [2C]	31.5		µg/kg dry	15.4		BRL		46-127		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090822 - SW846 3550B										
Matrix Spike (7090822-MS1) **Source: SA68097-01**										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
Heptachlor	39.5		µg/kg dry	15.4	30.7	BRL	129	35-130		
Heptachlor [2C]	38.4		µg/kg dry	15.4		BRL		35-130		
Aldrin	33.2		µg/kg dry	15.4	30.7	BRL	108	34-132		
Aldrin [2C]	34.2		µg/kg dry	15.4		BRL		34-132		
Heptachlor epoxide	35.9		µg/kg dry	15.4	30.7	BRL	117	30-150		
Heptachlor Epoxide [2C]	36.7		µg/kg dry	15.4		BRL		30-150		
Endosulfan I	35.4		µg/kg dry	15.4	30.7	BRL	115	30-150		
Endosulfan I [2C]	34.7		µg/kg dry	15.4		BRL		30-150		
Dieldrin	35.8		µg/kg dry	15.4	30.7	BRL	117	31-134		
Dieldrin [2C]	36.9		µg/kg dry	15.4		BRL		31-134		
4,4'-DDE (p,p')	40.9		µg/kg dry	15.4	30.7	BRL	133	30-150		
4,4'-DDE (p,p') [2C]	41.6		µg/kg dry	15.4		BRL		30-150		
Endrin	45.9	QM7	µg/kg dry	15.4	30.7	BRL	150	42-139		
Endrin [2C]	43.6		µg/kg dry	15.4		BRL		42-139		
Endosulfan II	40.2		µg/kg dry	15.4	30.7	BRL	131	30-150		
Endosulfan II [2C]	39.7		µg/kg dry	15.4		BRL		30-150		
4,4'-DDD (p,p')	41.8		µg/kg dry	15.4	30.7	BRL	136	30-150		
4,4'-DDD (p,p') [2C]	38.8		µg/kg dry	15.4		BRL		30-150		
Endosulfan sulfate	37.1		µg/kg dry	15.4	30.7	BRL	121	30-150		
Endosulfan Sulfate [2C]	35.9		µg/kg dry	15.4		BRL		30-150		
4,4'-DDT (p,p')	157	QM7	µg/kg dry	15.4	30.7	112	147	23-134		
4,4'-DDT (p,p') [2C]	180		µg/kg dry	15.4		126		23-134		
Methoxychlor	54.3	QM7	µg/kg dry	15.4	30.7	BRL	177	30-150		
Methoxychlor [2C]	45.5		µg/kg dry	15.4		BRL		30-150		
Endrin ketone	36.0		µg/kg dry	15.4	30.7	BRL	117	30-150		
Endrin ketone [2C]	42.7		µg/kg dry	15.4		BRL		30-150		
Endrin aldehyde	29.9		µg/kg dry	15.4	30.7	BRL	98	30-150		
Endrin Aldehyde [2C]	29.2		µg/kg dry	15.4		BRL		30-150		
alpha-Chlordane	58.2		µg/kg dry	15.4	30.7	19.0	128	30-150		
alpha-Chlordane [2C]	69.1		µg/kg dry	15.4		20.2		30-150		
gamma-Chlordane	50.2		µg/kg dry	15.4	30.7	17.8	106	30-150		
gamma-Chlordane [2C]	52.7		µg/kg dry	15.4		20.9		30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.6*		µg/kg dry		*30.7*		*51*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.1*		µg/kg dry		*30.7*		*49*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.5*		µg/kg dry		*30.7*		*86*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*32.7*		µg/kg dry		*30.7*		*107*	*30-150*		
Matrix Spike Dup (7090822-MSD1) **Source: SA68097-01**										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
alpha-BHC	29.9		µg/kg dry	15.9		BRL		30-150		30
alpha-BHC [2C]	30.6		µg/kg dry	15.9		BRL		30-150		30
beta-BHC	26.5		µg/kg dry	15.9		BRL		30-150		30
beta-BHC [2C]	33.3		µg/kg dry	15.9		BRL		30-150		30
delta-BHC	27.9		µg/kg dry	15.9		BRL		30-150		30
delta-BHC [2C]	26.2		µg/kg dry	15.9		BRL		30-150		30
gamma-BHC (Lindane)	33.0		µg/kg dry	15.9		BRL		46-127		50
gamma-BHC (Lindane) [2C]	30.7		µg/kg dry	15.9		BRL		46-127		50
Heptachlor	36.8		µg/kg dry	15.9	31.7	BRL	116	35-130	10	31
Heptachlor [2C]	37.6		µg/kg dry	15.9		BRL		35-130		31
Aldrin	32.4		µg/kg dry	15.9	31.7	BRL	102	34-132	6	43
Aldrin [2C]	32.5		µg/kg dry	15.9		BRL		34-132		43

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090822 - SW846 3550B										
Matrix Spike Dup (7090822-MSD1) Source: SA68097-01										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
Heptachlor epoxide	34.1		µg/kg dry	15.9	31.7	BRL	108	30-150	8	30
Heptachlor Epoxide [2C]	34.7		µg/kg dry	15.9		BRL		30-150		30
Endosulfan I	33.6		µg/kg dry	15.9	31.7	BRL	106	30-150	8	30
Endosulfan I [2C]	31.8		µg/kg dry	15.9		BRL		30-150		30
Dieldrin	34.0		µg/kg dry	15.9	31.7	BRL	107	31-134	8	38
Dieldrin [2C]	33.6		µg/kg dry	15.9		BRL		31-134		38
4,4'-DDE (p,p')	38.2		µg/kg dry	15.9	31.7	BRL	121	30-150	10	30
4,4'-DDE (p,p') [2C]	37.8		µg/kg dry	15.9		BRL		30-150		30
Endrin	36.5		µg/kg dry	15.9	31.7	BRL	115	42-139	26	45
Endrin [2C]	38.5		µg/kg dry	15.9		BRL		42-139		45
Endosulfan II	35.6		µg/kg dry	15.9	31.7	BRL	112	30-150	15	30
Endosulfan II [2C]	35.5		µg/kg dry	15.9		BRL		30-150		30
4,4'-DDD (p,p')	37.6		µg/kg dry	15.9	31.7	BRL	119	30-150	14	30
4,4'-DDD (p,p') [2C]	34.6		µg/kg dry	15.9		BRL		30-150		30
Endosulfan sulfate	31.8		µg/kg dry	15.9	31.7	BRL	100	30-150	18	30
Endosulfan Sulfate [2C]	32.6		µg/kg dry	15.9		BRL		30-150		30
4,4'-DDT (p,p')	122	QM7	µg/kg dry	15.9	31.7	112	32	23-134	129	50
4,4'-DDT (p,p') [2C]	133		µg/kg dry	15.9		126		23-134		50
Methoxychlor	39.2	QM7	µg/kg dry	15.9	31.7	BRL	124	30-150	35	30
Methoxychlor [2C]	37.1		µg/kg dry	15.9		BRL		30-150		30
Endrin ketone	35.3		µg/kg dry	15.9	31.7	BRL	112	30-150	5	30
Endrin ketone [2C]	36.4		µg/kg dry	15.9		BRL		30-150		30
Endrin aldehyde	29.4		µg/kg dry	15.9	31.7	BRL	93	30-150	5	30
Endrin Aldehyde [2C]	27.6		µg/kg dry	15.9		BRL		30-150		30
alpha-Chlordane	51.3		µg/kg dry	15.9	31.7	19.0	102	30-150	22	30
alpha-Chlordane [2C]	55.9		µg/kg dry	15.9		20.2		30-150		30
gamma-Chlordane	48.0		µg/kg dry	15.9	31.7	17.8	95	30-150	10	30
gamma-Chlordane [2C]	48.3		µg/kg dry	15.9		20.9		30-150		30
Toxaphene	BRL	U	µg/kg dry	79.3		BRL		30-150		50
Toxaphene [2C]	BRL	U	µg/kg dry	79.3		BRL		30-150		50
Chlordane	BRL	U	µg/kg dry	79.3		134		30-150		50
Chlordane [2C]	BRL	U	µg/kg dry	79.3		154		30-150		50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg dry		*31.7*		*54*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*17.9*		µg/kg dry		*31.7*		*57*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.9*		µg/kg dry		*31.7*		*91*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*30.5*		µg/kg dry		*31.7*		*96*	*30-150*		
Batch 7090823 - SW846 3550B										
Blank (7090823-BLK1)										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
Aroclor-1016	BRL	U	µg/kg wet	28.6						
Aroclor-1016 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1221	BRL	U	µg/kg wet	28.6						
Aroclor-1221 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1232	BRL	U	µg/kg wet	28.6						
Aroclor-1232 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1242	BRL	U	µg/kg wet	28.6						
Aroclor-1242 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1248	BRL	U	µg/kg wet	28.6						
Aroclor-1248 [2C]	BRL	U	µg/kg wet	28.6						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090823 - SW846 3550B										
Blank (7090823-BLK1)										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
Aroclor-1254	BRL	U	µg/kg wet	28.6						
Aroclor-1254 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1260	BRL	U	µg/kg wet	28.6						
Aroclor-1260 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1262	BRL	U	µg/kg wet	28.6						
Aroclor-1262 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1268	BRL	U	µg/kg wet	28.6						
Aroclor-1268 [2C]	BRL	U	µg/kg wet	28.6						
Surrogate: Decachlorobiphenyl (Sr)	*25.7*		µg/kg wet		*28.6*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.3*		µg/kg wet		*28.6*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
LCS (7090823-BS1)										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
Aroclor-1016	399		µg/kg wet	28.6	357		112	50-140		
Aroclor-1016 [2C]	371		µg/kg wet	28.6	357		104	50-140		
Aroclor-1260	380		µg/kg wet	28.6	357		106	50-140		
Aroclor-1260 [2C]	361		µg/kg wet	28.6	357		101	50-140		
Surrogate: Decachlorobiphenyl (Sr)	*22.9*		µg/kg wet		*28.6*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.7*		µg/kg wet		*28.6*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.3*		µg/kg wet		*28.6*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*14.3*		µg/kg wet		*28.6*		*50*	*30-150*		
LCS Dup (7090823-BSD1)										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
Aroclor-1016	400		µg/kg wet	28.6	357		112	50-140	0.4	30
Aroclor-1016 [2C]	364		µg/kg wet	28.6	357		102	50-140	2	30
Aroclor-1260	393		µg/kg wet	28.6	357		110	50-140	3	30
Aroclor-1260 [2C]	381		µg/kg wet	28.6	357		107	50-140	5	30
Surrogate: Decachlorobiphenyl (Sr)	*24.3*		µg/kg wet		*28.6*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.7*		µg/kg wet		*28.6*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.3*		µg/kg wet		*28.6*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*14.3*		µg/kg wet		*28.6*		*50*	*30-150*		
Duplicate (7090823-DUP1) **Source: SA68097-01**										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
Aroclor-1016	BRL	U	µg/kg dry	31.1		BRL				40
Aroclor-1016 [2C]	BRL	U	µg/kg dry	31.1		BRL				40
Aroclor-1221	BRL	U	µg/kg dry	31.1		BRL				40
Aroclor-1221 [2C]	BRL	U	µg/kg dry	31.1		BRL				40
Aroclor-1232	BRL	U	µg/kg dry	31.1		BRL				40
Aroclor-1232 [2C]	BRL	U	µg/kg dry	31.1		BRL				40
Aroclor-1242	BRL	U	µg/kg dry	31.1		BRL				40
Aroclor-1242 [2C]	BRL	U	µg/kg dry	31.1		BRL				40
Aroclor-1248	BRL	U	µg/kg dry	31.1		BRL				40
Aroclor-1248 [2C]	BRL	U	µg/kg dry	31.1		BRL				40
Aroclor-1254	BRL	U	µg/kg dry	31.1		BRL				40
Aroclor-1254 [2C]	BRL	U	µg/kg dry	31.1		BRL				40
Aroclor-1260	BRL	U	µg/kg dry	31.1		BRL				40
Aroclor-1260 [2C]	BRL	U	µg/kg dry	31.1		BRL				40
Aroclor-1262	BRL	U	µg/kg dry	31.1		BRL				40
Aroclor-1262 [2C]	BRL	U	µg/kg dry	31.1		BRL				40

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090823 - SW846 3550B										
Duplicate (7090823-DUP1) **Source: SA68097-01**										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
Aroclor-1268	BRL	U	µg/kg dry	31.1		BRL				40
Aroclor-1268 [2C]	BRL	U	µg/kg dry	31.1		BRL				40
Surrogate: Decachlorobiphenyl (Sr)	*24.9*		µg/kg dry		*31.1*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.9*		µg/kg dry		*31.1*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.5*		µg/kg dry		*31.1*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*14.0*		µg/kg dry		*31.1*		*45*	*30-150*		
Matrix Spike (7090823-MS1) **Source: SA68097-01**										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
Aroclor-1016	417		µg/kg dry	30.7	383	BRL	109	40-135		
Aroclor-1016 [2C]	375		µg/kg dry	30.7	383	BRL	98	40-135		
Aroclor-1260	420		µg/kg dry	30.7	383	BRL	110	40-135		
Aroclor-1260 [2C]	398		µg/kg dry	30.7	383	BRL	104	40-135		
Surrogate: Decachlorobiphenyl (Sr)	*24.5*		µg/kg dry		*30.6*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*26.0*		µg/kg dry		*30.6*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.3*		µg/kg dry		*30.6*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*16.8*		µg/kg dry		*30.6*		*55*	*30-150*		
Matrix Spike Dup (7090823-MSD1) **Source: SA68097-01**										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
Aroclor-1016	412		µg/kg dry	31.3	390	BRL	106	40-135	3	15
Aroclor-1016 [2C]	406		µg/kg dry	31.3	390	BRL	104	40-135	6	15
Aroclor-1260	417		µg/kg dry	31.3	390	BRL	107	40-135	3	20
Aroclor-1260 [2C]	386		µg/kg dry	31.3	390	BRL	99	40-135	5	20
Surrogate: Decachlorobiphenyl (Sr)	*23.4*		µg/kg dry		*31.2*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.0*		µg/kg dry		*31.2*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.6*		µg/kg dry		*31.2*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.6*		µg/kg dry		*31.2*		*50*	*30-150*		
Batch 7090826 - SW846 3550B										
Blank (7090826-BLK1)										
Prepared & Analyzed: 17-Sep-07										
2,4,5-T	BRL	U	µg/kg wet	6.70						
2,4,5-T [2C]	BRL	U	µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL	U	µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL	U	µg/kg wet	6.70						
2,4-D	BRL	U	µg/kg wet	6.70						
2,4-D [2C]	BRL	U	µg/kg wet	6.70						
2,4-DB	BRL	U	µg/kg wet	6.70						
2,4-DB [2C]	BRL	U	µg/kg wet	6.70						
Dalapon	BRL	U	µg/kg wet	6.70						
Dalapon [2C]	BRL	U	µg/kg wet	6.70						
Dicamba	BRL	U	µg/kg wet	6.70						
Dicamba [2C]	BRL	U	µg/kg wet	6.70						
Dichlorprop	BRL	U	µg/kg wet	6.70						
Dichlorprop [2C]	BRL	U	µg/kg wet	6.70						
Dinoseb	BRL	U	µg/kg wet	6.70						
Dinoseb [2C]	BRL	U	µg/kg wet	6.70						
MCPA	BRL	U	µg/kg wet	670						
MCPA [2C]	BRL	U	µg/kg wet	670						
MCPB	BRL	U	µg/kg wet	670						
MCPB [2C]	BRL	U	µg/kg wet	670						
MCPP	BRL	U	µg/kg wet	670						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090826 - SW846 3550B										
Blank (7090826-BLK1)										
Prepared & Analyzed: 17-Sep-07										
MCPP [2C]	BRL	U	µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*5.47*		µg/kg wet		*13.3*		*41*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*4.53*		µg/kg wet		*13.3*		*34*	*30-150*		
LCS (7090826-BS1)										
Prepared & Analyzed: 17-Sep-07										
2,4,5-T	23.5		µg/kg wet	6.70	33.3		71	40-140		
2,4,5-T [2C]	17.9		µg/kg wet	6.70	33.3		54	40-140		
2,4,5-TP (Silvex)	25.5		µg/kg wet	6.70	33.3		77	40-140		
2,4,5-TP (Silvex) [2C]	20.6		µg/kg wet	6.70	33.3		62	40-140		
2,4-D	22.3		µg/kg wet	6.70	33.3		67	40-140		
2,4-D [2C]	10.9		µg/kg wet	6.70	33.3		33	40-140		
2,4-DB	25.1		µg/kg wet	6.70	33.3		75	40-140		
2,4-DB [2C]	16.7		µg/kg wet	6.70	33.3		50	40-140		
Dalapon	17.1		µg/kg wet	6.70	33.3		51	40-140		
Dalapon [2C]	15.9		µg/kg wet	6.70	33.3		48	40-140		
Dicamba	25.3		µg/kg wet	6.70	33.3		76	40-140		
Dicamba [2C]	19.5		µg/kg wet	6.70	33.3		59	40-140		
Dichlorprop	21.2		µg/kg wet	6.70	33.3		64	40-140		
Dichlorprop [2C]	17.6		µg/kg wet	6.70	33.3		53	40-140		
Dinoseb	34.3		µg/kg wet	6.70	33.3		103	40-140		
Dinoseb [2C]	18.1		µg/kg wet	6.70	33.3		54	40-140		
MCPA	BRL	U	µg/kg wet	670				40-140		
MCPA [2C]	BRL	U	µg/kg wet	670				40-140		
MCPB	BRL	U	µg/kg wet	670				40-140		
MCPB [2C]	BRL	U	µg/kg wet	670				40-140		
MCPP	BRL	U	µg/kg wet	670				40-140		
MCPP [2C]	BRL	U	µg/kg wet	670				40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*7.93*		µg/kg wet		*13.3*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*6.13*		µg/kg wet		*13.3*		*46*	*30-150*		
LCS (7090826-BS2)										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
2,4,5-T	BRL	U	µg/kg wet	6.70				40-140		
2,4,5-T [2C]	BRL	U	µg/kg wet	6.70				40-140		
2,4,5-TP (Silvex)	BRL	U	µg/kg wet	6.70				40-140		
2,4,5-TP (Silvex) [2C]	BRL	U	µg/kg wet	6.70				40-140		
2,4-D	BRL	U	µg/kg wet	6.70				40-140		
2,4-D [2C]	BRL	U	µg/kg wet	6.70				40-140		
2,4-DB	BRL	U	µg/kg wet	6.70				40-140		
2,4-DB [2C]	BRL	U	µg/kg wet	6.70				40-140		
Dalapon	BRL	U	µg/kg wet	6.70				40-140		
Dalapon [2C]	BRL	U	µg/kg wet	6.70				40-140		
Dicamba	BRL	U	µg/kg wet	6.70				40-140		
Dicamba [2C]	BRL	U	µg/kg wet	6.70				40-140		
Dichlorprop	BRL	U	µg/kg wet	6.70				40-140		
Dichlorprop [2C]	BRL	U	µg/kg wet	6.70				40-140		
Dinoseb	BRL	U	µg/kg wet	6.70				40-140		
Dinoseb [2C]	BRL	U	µg/kg wet	6.70				40-140		
MCPA	5020		µg/kg wet	670	10000		50	40-140		
MCPA [2C]	2820		µg/kg wet	670	10000		28	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090826 - SW846 3550B										
LCS (7090826-BS2)										
Prepared: 14-Sep-07 Analyzed: 17-Sep-07										
MCPB	6360		µg/kg wet	670	10000		64	40-140		
MCPB [2C]	2530		µg/kg wet	670	10000		25	40-140		
MCPP	8550		µg/kg wet	670	10000		86	40-140		
MCPP [2C]	4790		µg/kg wet	670	10000		48	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.00*		µg/kg wet		*13.3*		*68*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*5.73*		µg/kg wet		*13.3*		*43*	*30-150*		
LCS Dup (7090826-BSD1)										
Prepared & Analyzed: 17-Sep-07										
2,4,5-T	23.5		µg/kg wet	6.70	33.3		71	40-140	0	25
2,4,5-T [2C]	18.8		µg/kg wet	6.70	33.3		56	40-140	5	25
2,4,5-TP (Silvex)	25.9		µg/kg wet	6.70	33.3		78	40-140	2	25
2,4,5-TP (Silvex) [2C]	21.7		µg/kg wet	6.70	33.3		65	40-140	5	25
2,4-D	23.0		µg/kg wet	6.70	33.3		69	40-140	3	25
2,4-D [2C]	9.33		µg/kg wet	6.70	33.3		28	40-140	15	25
2,4-DB	26.0		µg/kg wet	6.70	33.3		78	40-140	4	25
2,4-DB [2C]	17.9		µg/kg wet	6.70	33.3		54	40-140	7	25
Dalapon	16.8		µg/kg wet	6.70	33.3		50	40-140	2	25
Dalapon [2C]	14.9		µg/kg wet	6.70	33.3		45	40-140	6	25
Dicamba	25.9		µg/kg wet	6.70	33.3		78	40-140	2	25
Dicamba [2C]	21.0		µg/kg wet	6.70	33.3		63	40-140	7	25
Dichlorprop	22.1		µg/kg wet	6.70	33.3		66	40-140	4	25
Dichlorprop [2C]	16.1		µg/kg wet	6.70	33.3		48	40-140	9	25
Dinoseb	34.6		µg/kg wet	6.70	33.3		104	40-140	0.8	25
Dinoseb [2C]	20.1		µg/kg wet	6.70	33.3		60	40-140	11	25
MCPA	BRL	U	µg/kg wet	670				40-140		25
MCPA [2C]	BRL	U	µg/kg wet	670				40-140		25
MCPB	BRL	U	µg/kg wet	670				40-140		25
MCPB [2C]	BRL	U	µg/kg wet	670				40-140		25
MCPP	BRL	U	µg/kg wet	670				40-140		25
MCPP [2C]	BRL	U	µg/kg wet	670				40-140		25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.27*		µg/kg wet		*13.3*		*62*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*6.40*		µg/kg wet		*13.3*		*48*	*30-150*		
LCS Dup (7090826-BSD2)										
Prepared & Analyzed: 17-Sep-07										
2,4,5-T	BRL	U	µg/kg wet	6.70				40-140		25
2,4,5-T [2C]	BRL	U	µg/kg wet	6.70				40-140		25
2,4,5-TP (Silvex)	BRL	U	µg/kg wet	6.70				40-140		25
2,4,5-TP (Silvex) [2C]	BRL	U	µg/kg wet	6.70				40-140		25
2,4-D	BRL	U	µg/kg wet	6.70				40-140		25
2,4-D [2C]	BRL	U	µg/kg wet	6.70				40-140		25
2,4-DB	BRL	U	µg/kg wet	6.70				40-140		25
2,4-DB [2C]	BRL	U	µg/kg wet	6.70				40-140		25
Dalapon	BRL	U	µg/kg wet	6.70				40-140		25
Dalapon [2C]	BRL	U	µg/kg wet	6.70				40-140		25
Dicamba	BRL	U	µg/kg wet	6.70				40-140		25
Dicamba [2C]	BRL	U	µg/kg wet	6.70				40-140		25
Dichlorprop	BRL	U	µg/kg wet	6.70				40-140		25
Dichlorprop [2C]	BRL	U	µg/kg wet	6.70				40-140		25
Dinoseb	BRL	U	µg/kg wet	6.70				40-140		25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090826 - SW846 3550B										
LCS Dup (7090826-BSD2)										
Prepared & Analyzed: 17-Sep-07										
Dinoseb [2C]	BRL	U	µg/kg wet	6.70				40-140		25
MCPA	4830		µg/kg wet	670	10000		48	40-140	4	25
MCPA [2C]	3040		µg/kg wet	670	10000		30	40-140	8	25
MCPB	6640		µg/kg wet	670	10000		66	40-140	4	25
MCPB [2C]	2850		µg/kg wet	670	10000		28	40-140	12	25
MCPP	8870		µg/kg wet	670	10000		89	40-140	4	25
MCPP [2C]	4730		µg/kg wet	670	10000		47	40-140	1	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.40*		µg/kg wet		*13.3*		*71*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*5.67*		µg/kg wet		*13.3*		*43*	*30-150*		
Duplicate (7090826-DUP1) **Source: SA68097-02**										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
2,4,5-T	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL	U	µg/kg dry	6.70		BRL				30
2,4-D	BRL	U	µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL	U	µg/kg dry	6.70		BRL				30
2,4-DB	BRL	U	µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL	U	µg/kg dry	6.70		BRL				30
Dalapon	BRL	U	µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL	U	µg/kg dry	6.70		BRL				30
Dicamba	BRL	U	µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL	U	µg/kg dry	6.70		BRL				30
Dichlorprop	BRL	U	µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL	U	µg/kg dry	6.70		BRL				30
Dinoseb	BRL	U	µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL	U	µg/kg dry	6.70		BRL				30
MCPA	BRL	U	µg/kg dry	670		BRL				30
MCPA [2C]	BRL	U	µg/kg dry	670		BRL				30
MCPB	BRL	U	µg/kg dry	670		BRL				30
MCPB [2C]	BRL	U	µg/kg dry	670		BRL				30
MCPP	BRL	U	µg/kg dry	670		BRL				30
MCPP [2C]	BRL	U	µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.11*		µg/kg dry		*14.1*		*64*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*4.87*		µg/kg dry		*14.1*		*34*	*30-150*		
Batch 7090984 - SW846 3510C										
Blank (7090984-BLK1)										
Prepared & Analyzed: 17-Sep-07										
Chlordane	BRL	U	µg/l	0.200						
Endrin	BRL	U	µg/l	0.040						
Heptachlor	BRL	U	µg/l	0.040						
Heptachlor Epoxide	BRL	U	µg/l	0.040						
g-BHC (Lindane)	BRL	U	µg/l	0.040						
Methoxychlor	BRL	U	µg/l	0.040						
Toxaphene	BRL	U	µg/l	0.200						
4,4'-DDD (p,p')	BRL	U	µg/l	0.040						
4,4'-DDE (p,p')	BRL	U	µg/l	0.040						
4,4'-DDT (p,p')	BRL	U	µg/l	0.040						
Dieldrin	BRL	U	µg/l	0.040						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090984 - SW846 3510C										
Blank (7090984-BLK1)										
Prepared & Analyzed: 17-Sep-07										
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0349*		µg/l		*0.0800*		*44*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0497*		µg/l		*0.0800*		*62*	*30-150*		
LCS (7090984-BS1)										
Prepared & Analyzed: 17-Sep-07										
Chlordane	BRL	U	µg/l	0.200				40-140		
Endrin	0.067		µg/l	0.040	0.0800		83	40-140		
Heptachlor	0.068		µg/l	0.040	0.0800		85	40-140		
Heptachlor Epoxide	0.067		µg/l	0.040	0.0800		84	40-140		
g-BHC (Lindane)	0.066		µg/l	0.040	0.0800		83	40-140		
Methoxychlor	0.067		µg/l	0.040	0.0800		84	40-140		
Toxaphene	BRL	U	µg/l	0.200				40-140		
4,4'-DDD (p,p')	0.063		µg/l	0.040	0.0800		79	40-140		
4,4'-DDE (p,p')	0.067		µg/l	0.040	0.0800		83	40-140		
4,4'-DDT (p,p')	0.067		µg/l	0.040	0.0800		84	40-140		
Dieldrin	0.067		µg/l	0.040	0.0800		83	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0349*		µg/l		*0.0800*		*44*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0506*		µg/l		*0.0800*		*63*	*30-150*		
LCS Dup (7090984-BSD1)										
Prepared & Analyzed: 17-Sep-07										
Chlordane	BRL	U	µg/l	0.200				40-140		30
Endrin	0.065		µg/l	0.040	0.0800		81	40-140	3	30
Heptachlor	0.064		µg/l	0.040	0.0800		80	40-140	7	30
Heptachlor Epoxide	0.061		µg/l	0.040	0.0800		76	40-140	10	30
g-BHC (Lindane)	0.066		µg/l	0.040	0.0800		83	40-140	0.01	30
Methoxychlor	0.060		µg/l	0.040	0.0800		75	40-140	11	30
Toxaphene	BRL	U	µg/l	0.200				40-140		30
4,4'-DDD (p,p')	0.058		µg/l	0.040	0.0800		73	40-140	8	30
4,4'-DDE (p,p')	0.065		µg/l	0.040	0.0800		81	40-140	3	30
4,4'-DDT (p,p')	0.063		µg/l	0.040	0.0800		79	40-140	6	30
Dieldrin	0.065		µg/l	0.040	0.0800		81	40-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0334*		µg/l		*0.0800*		*42*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0454*		µg/l		*0.0800*		*57*	*30-150*		
Duplicate (7090984-DUP1) **Source: SA68097-03**										
Prepared & Analyzed: 17-Sep-07										
Chlordane	BRL	U	µg/l	0.400		BRL				30
Endrin	BRL	U	µg/l	0.080		BRL				30
Heptachlor	BRL	U	µg/l	0.080		BRL				30
Heptachlor Epoxide	BRL	U	µg/l	0.080		BRL				30
g-BHC (Lindane)	BRL	U	µg/l	0.080		BRL				30
Methoxychlor	BRL	U	µg/l	0.080		BRL				30
Toxaphene	BRL	U	µg/l	0.400		BRL				30
4,4'-DDD (p,p')	BRL	U	µg/l	0.080		BRL				30
4,4'-DDE (p,p')	BRL	U	µg/l	0.080		BRL				30
4,4'-DDT (p,p')	BRL	U	µg/l	0.080		BRL				30
Dieldrin	BRL	U	µg/l	0.080		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0735*		µg/l		*0.160*		*46*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.119*		µg/l		*0.160*		*74*	*30-150*		
Batch 7090985 - SW846 3535										
Blank (7090985-BLK1)										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090985 - SW846 3535										
Prepared & Analyzed: 17-Sep-07										
2,4-D	BRL	U	µg/l	0.100						
2,4,5-TP (Silvex)	BRL	U	µg/l	0.100						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.114*		µg/l		*0.200*		*57*	*30-150*		
LCS (7090985-BS1)										
Prepared & Analyzed: 17-Sep-07										
2,4-D	0.297		µg/l	0.100	0.500		59	40-140		
2,4,5-TP (Silvex)	0.444		µg/l	0.100	0.500		89	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.140*		µg/l		*0.200*		*70*	*30-150*		
LCS Dup (7090985-BSD1)										
Prepared & Analyzed: 17-Sep-07										
2,4-D	0.293		µg/l	0.100	0.500		59	40-140	1	25
2,4,5-TP (Silvex)	0.466		µg/l	0.100	0.500		93	40-140	5	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.148*		µg/l		*0.200*		*74*	*30-150*		
Duplicate (7090985-DUP1) **Source: SA68097-03**										
Prepared & Analyzed: 17-Sep-07										
2,4-D	BRL	U	µg/l	0.100		BRL				30
2,4,5-TP (Silvex)	BRL	U	µg/l	0.100		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.123*		µg/l		*0.211*		*59*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090978 - SW846 3550B										
Blank (7090978-BLK1)										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Acenaphthene	BRL	U	µg/kg wet	330						
Acenaphthylene	BRL	U	µg/kg wet	330						
Aniline	BRL	U	µg/kg wet	330						
Anthracene	BRL	U	µg/kg wet	330						
Atrazine	BRL	U	µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL	U	µg/kg wet	330						
Benzidine	BRL	U	µg/kg wet	330						
Benzo (a) anthracene	BRL	U	µg/kg wet	330						
Benzo (a) pyrene	BRL	U	µg/kg wet	330						
Benzo (b) fluoranthene	BRL	U	µg/kg wet	330						
Benzo (g,h,i) perylene	BRL	U	µg/kg wet	330						
Benzo (k) fluoranthene	BRL	U	µg/kg wet	330						
Benzoic acid	BRL	U	µg/kg wet	330						
Benzyl alcohol	BRL	U	µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL	U	µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL	U	µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL	U	µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL	U	µg/kg wet	330						
Butyl benzyl phthalate	BRL	U	µg/kg wet	330						
Carbazole	BRL	U	µg/kg wet	330						
4-Chloro-3-methylphenol	BRL	U	µg/kg wet	330						
4-Chloroaniline	BRL	U	µg/kg wet	330						
2-Chloronaphthalene	BRL	U	µg/kg wet	330						
2-Chlorophenol	BRL	U	µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL	U	µg/kg wet	330						
Chrysene	BRL	U	µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL	U	µg/kg wet	330						
Dibenzofuran	BRL	U	µg/kg wet	330						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	330						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	330						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	330						
3,3´-Dichlorobenzidine	BRL	U	µg/kg wet	330						
2,4-Dichlorophenol	BRL	U	µg/kg wet	330						
Diethyl phthalate	BRL	U	µg/kg wet	330						
Dimethyl phthalate	BRL	U	µg/kg wet	330						
2,4-Dimethylphenol	BRL	U	µg/kg wet	330						
Di-n-butyl phthalate	BRL	U	µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL	U	µg/kg wet	330						
2,4-Dinitrophenol	BRL	U	µg/kg wet	330						
2,4-Dinitrotoluene	BRL	U	µg/kg wet	330						
2,6-Dinitrotoluene	BRL	U	µg/kg wet	330						
Di-n-octyl phthalate	BRL	U	µg/kg wet	330						
Fluoranthene	BRL	U	µg/kg wet	330						
Fluorene	BRL	U	µg/kg wet	330						
Hexachlorobenzene	BRL	U	µg/kg wet	330						
Hexachlorobutadiene	BRL	U	µg/kg wet	330						
Hexachlorocyclopentadiene	BRL	U	µg/kg wet	330						
Hexachloroethane	BRL	U	µg/kg wet	330						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090978 - SW846 3550B										
Blank (7090978-BLK1)										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg wet	330						
Isophorone	BRL	U	µg/kg wet	330						
1-Methylnaphthalene	BRL	U	µg/kg wet	330						
2-Methylnaphthalene	BRL	U	µg/kg wet	330						
2-Methylphenol	BRL	U	µg/kg wet	330						
3,4-Methylphenol	BRL	U	µg/kg wet	330						
Naphthalene	BRL	U	µg/kg wet	330						
2-Nitroaniline	BRL	U	µg/kg wet	330						
3-Nitroaniline	BRL	U	µg/kg wet	330						
4-Nitroaniline	BRL	U	µg/kg wet	1320						
Nitrobenzene	BRL	U	µg/kg wet	330						
2-Nitrophenol	BRL	U	µg/kg wet	330						
4-Nitrophenol	BRL	U	µg/kg wet	1320						
N-Nitrosodimethylamine	BRL	U	µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL	U	µg/kg wet	330						
N-Nitrosodiphenylamine	BRL	U	µg/kg wet	330						
Pentachlorophenol	BRL	U	µg/kg wet	1320						
Phenanthrene	BRL	U	µg/kg wet	330						
Phenol	BRL	U	µg/kg wet	330						
Pyrene	BRL	U	µg/kg wet	330						
Pyridine	BRL	U	µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	330						
2,4,5-Trichlorophenol	BRL	U	µg/kg wet	330						
2,4,6-Trichlorophenol	BRL	U	µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*2030*		µg/kg wet		*3330*		*61*	*30-130*		
Surrogate: 2-Fluorophenol	*1990*		µg/kg wet		*3330*		*60*	*15-110*		
Surrogate: Nitrobenzene-d5	*2000*		µg/kg wet		*3330*		*60*	*30-130*		
Surrogate: Phenol-d5	*1890*		µg/kg wet		*3330*		*57*	*15-110*		
Surrogate: Terphenyl-dl4	*1950*		µg/kg wet		*3330*		*59*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2070*		µg/kg wet		*3330*		*62*	*15-110*		
LCS (7090978-BS1)										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Acenaphthene	2230		µg/kg wet	330	3330		67	40-130		
Acenaphthylene	2130		µg/kg wet	330	3330		64	40-130		
Aniline	203	QC2, J	µg/kg wet	330	3330		6	40-130		
Anthracene	2060		µg/kg wet	330	3330		62	40-130		
Atrazine	1150	QC2	µg/kg wet	330	3330		35	40-130		
Azobenzene/Diphenyldiazine	2050		µg/kg wet	330	3330		62	40-130		
Benzidine	BRL	U	µg/kg wet	330	3330			0-178		
Benzo (a) anthracene	1920		µg/kg wet	330	3330		58	40-130		
Benzo (a) pyrene	2020		µg/kg wet	330	3330		61	40-130		
Benzo (b) fluoranthene	1980		µg/kg wet	330	3330		59	40-130		
Benzo (g,h,i) perylene	1970		µg/kg wet	330	3330		59	40-130		
Benzo (k) fluoranthene	2120		µg/kg wet	330	3330		64	40-130		
Benzoic acid	2220		µg/kg wet	330	3330		67	0-130		
Benzyl alcohol	1680		µg/kg wet	330	3330		50	40-130		
Bis(2-chloroethoxy)methane	2170		µg/kg wet	330	3330		65	40-130		
Bis(2-chloroethyl)ether	1960		µg/kg wet	330	3330		59	40-130		
Bis(2-chloroisopropyl)ether	2100		µg/kg wet	330	3330		63	40-130		
Bis(2-ethylhexyl)phthalate	2030		µg/kg wet	330	3330		61	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090978 - SW846 3550B										
LCS (7090978-BS1)										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
4-Bromophenyl phenyl ether	2110		µg/kg wet	330	3330		63	40-130		
Butyl benzyl phthalate	1990		µg/kg wet	330	3330		60	40-130		
Carbazole	1980		µg/kg wet	330	3330		59	40-130		
4-Chloro-3-methylphenol	2200		µg/kg wet	330	3330		66	40-130		
4-Chloroaniline	635	QC2	µg/kg wet	330	3330		19	40-130		
2-Chloronaphthalene	2050		µg/kg wet	330	3330		61	40-130		
2-Chlorophenol	2060		µg/kg wet	330	3330		62	40-130		
4-Chlorophenyl phenyl ether	2070		µg/kg wet	330	3330		62	40-130		
Chrysene	1960		µg/kg wet	330	3330		59	40-130		
Dibenzo (a,h) anthracene	2120		µg/kg wet	330	3330		63	40-130		
Dibenzofuran	2050		µg/kg wet	330	3330		61	40-130		
1,2-Dichlorobenzene	2000		µg/kg wet	330	3330		60	40-130		
1,3-Dichlorobenzene	1980		µg/kg wet	330	3330		59	40-130		
1,4-Dichlorobenzene	2020		µg/kg wet	330	3330		61	40-130		
3,3´-Dichlorobenzidine	1200	QC2	µg/kg wet	330	3330		36	40-130		
2,4-Dichlorophenol	2070		µg/kg wet	330	3330		62	40-130		
Diethyl phthalate	2140		µg/kg wet	330	3330		64	40-130		
Dimethyl phthalate	2080		µg/kg wet	330	3330		62	40-130		
2,4-Dimethylphenol	2070		µg/kg wet	330	3330		62	40-130		
Di-n-butyl phthalate	2090		µg/kg wet	330	3330		63	40-130		
4,6-Dinitro-2-methylphenol	1990		µg/kg wet	330	3330		60	40-130		
2,4-Dinitrophenol	1810		µg/kg wet	330	3330		54	40-130		
2,4-Dinitrotoluene	2030		µg/kg wet	330	3330		61	40-130		
2,6-Dinitrotoluene	2010		µg/kg wet	330	3330		60	40-130		
Di-n-octyl phthalate	2260		µg/kg wet	330	3330		68	40-130		
Fluoranthene	2110		µg/kg wet	330	3330		63	40-130		
Fluorene	2010		µg/kg wet	330	3330		60	40-130		
Hexachlorobenzene	2100		µg/kg wet	330	3330		63	40-130		
Hexachlorobutadiene	2050		µg/kg wet	330	3330		61	40-130		
Hexachlorocyclopentadiene	1790		µg/kg wet	330	3330		54	40-130		
Hexachloroethane	2000		µg/kg wet	330	3330		60	40-130		
Indeno (1,2,3-cd) pyrene	2060		µg/kg wet	330	3330		62	40-130		
1-Methylnaphthalene	2030		µg/kg wet	330	3330		61	40-140		
Isophorone	1970		µg/kg wet	330	3330		59	40-130		
2-Methylnaphthalene	2090		µg/kg wet	330	3330		63	40-130		
2-Methylphenol	2050		µg/kg wet	330	3330		61	40-130		
3,4-Methylphenol	2110		µg/kg wet	330	3330		63	40-130		
Naphthalene	2080		µg/kg wet	330	3330		62	40-130		
2-Nitroaniline	1930		µg/kg wet	330	3330		58	40-130		
3-Nitroaniline	1290	QC2	µg/kg wet	330	3330		39	40-130		
4-Nitroaniline	1820		µg/kg wet	1320	3330		55	40-130		
Nitrobenzene	2110		µg/kg wet	330	3330		63	40-130		
2-Nitrophenol	1990		µg/kg wet	330	3330		60	40-130		
4-Nitrophenol	2040		µg/kg wet	1320	3330		61	40-130		
N-Nitrosodimethylamine	2290		µg/kg wet	330	3330		69	40-130		
N-Nitrosodi-n-propylamine	2180		µg/kg wet	330	3330		65	40-130		
N-Nitrosodiphenylamine	2190		µg/kg wet	330	3330		66	40-130		
Pentachlorophenol	2270		µg/kg wet	1320	3330		68	40-130		
Phenanthrene	2120		µg/kg wet	330	3330		64	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090978 - SW846 3550B										
LCS (7090978-BS1)										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Phenol	2150		µg/kg wet	330	3330		65	40-130		
Pyrene	1990		µg/kg wet	330	3330		60	40-130		
Pyridine	512	QC2	µg/kg wet	330	3330		15	40-130		
1,2,4-Trichlorobenzene	1970		µg/kg wet	330	3330		59	40-130		
2,4,5-Trichlorophenol	2160		µg/kg wet	330	3330		65	40-130		
2,4,6-Trichlorophenol	1990		µg/kg wet	330	3330		60	40-130		
Surrogate: 2-Fluorobiphenyl	*2030*		µg/kg wet		*3330*		*61*	*30-130*		
Surrogate: 2-Fluorophenol	*1990*		µg/kg wet		*3330*		*60*	*15-110*		
Surrogate: Nitrobenzene-d5	*2120*		µg/kg wet		*3330*		*63*	*30-130*		
Surrogate: Phenol-d5	*1720*		µg/kg wet		*3330*		*52*	*15-110*		
Surrogate: Terphenyl-dl4	*2040*		µg/kg wet		*3330*		*61*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2120*		µg/kg wet		*3330*		*64*	*15-110*		
Duplicate (7090978-DUP1) **Source: SA68105-11**										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Acenaphthene	BRL	U	µg/kg dry	1040		BRL				50
Acenaphthylene	BRL	U	µg/kg dry	1040		BRL				50
Aniline	BRL	U	µg/kg dry	1040		BRL				50
Anthracene	BRL	U	µg/kg dry	1040		BRL				50
Atrazine	BRL	U	µg/kg dry	1040		BRL				50
Azobenzene/Diphenyldiazine	BRL	U	µg/kg dry	1040		BRL				50
Benzidine	BRL	U	µg/kg dry	1040		BRL				50
Benzo (a) anthracene	BRL	U	µg/kg dry	1040		BRL				50
Benzo (a) pyrene	BRL	U	µg/kg dry	1040		BRL				50
Benzo (b) fluoranthene	BRL	U	µg/kg dry	1040		BRL				50
Benzo (g,h,i) perylene	BRL	U	µg/kg dry	1040		BRL				50
Benzo (k) fluoranthene	BRL	U	µg/kg dry	1040		BRL				50
Benzoic acid	BRL	U	µg/kg dry	1040		BRL				50
Benzyl alcohol	BRL	U	µg/kg dry	1040		BRL				50
Bis(2-chloroethoxy)methane	BRL	U	µg/kg dry	1040		BRL				50
Bis(2-chloroethyl)ether	BRL	U	µg/kg dry	1040		BRL				50
Bis(2-chloroisopropyl)ether	BRL	U	µg/kg dry	1040		BRL				50
Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	1040		BRL				50
4-Bromophenyl phenyl ether	BRL	U	µg/kg dry	1040		BRL				50
Butyl benzyl phthalate	BRL	U	µg/kg dry	1040		BRL				50
Carbazole	BRL	U	µg/kg dry	1040		BRL				50
4-Chloro-3-methylphenol	BRL	U	µg/kg dry	1040		BRL				50
4-Chloroaniline	BRL	U	µg/kg dry	1040		BRL				50
2-Chloronaphthalene	BRL	U	µg/kg dry	1040		BRL				50
2-Chlorophenol	BRL	U	µg/kg dry	1040		BRL				50
4-Chlorophenyl phenyl ether	BRL	U	µg/kg dry	1040		BRL				50
Chrysene	BRL	U	µg/kg dry	1040		BRL				50
Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	1040		BRL				50
Dibenzofuran	BRL	U	µg/kg dry	1040		BRL				50
1,2-Dichlorobenzene	BRL	U	µg/kg dry	1040		BRL				50
1,3-Dichlorobenzene	BRL	U	µg/kg dry	1040		BRL				50
1,4-Dichlorobenzene	BRL	U	µg/kg dry	1040		BRL				50
3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	1040		BRL				50
2,4-Dichlorophenol	BRL	U	µg/kg dry	1040		BRL				50
Diethyl phthalate	BRL	U	µg/kg dry	1040		BRL				50
Dimethyl phthalate	BRL	U	µg/kg dry	1040		BRL				50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090978 - SW846 3550B										
Duplicate (7090978-DUP1) **Source: SA68105-11**										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
2,4-Dimethylphenol	BRL	U	µg/kg dry	1040		BRL				50
Di-n-butyl phthalate	BRL	U	µg/kg dry	1040		BRL				50
4,6-Dinitro-2-methylphenol	BRL	U	µg/kg dry	1040		BRL				50
2,4-Dinitrophenol	BRL	U	µg/kg dry	1040		BRL				50
2,4-Dinitrotoluene	BRL	U	µg/kg dry	1040		BRL				50
2,6-Dinitrotoluene	BRL	U	µg/kg dry	1040		BRL				50
Di-n-octyl phthalate	BRL	U	µg/kg dry	1040		BRL				50
Fluoranthene	BRL	U	µg/kg dry	1040		BRL				50
Fluorene	BRL	U	µg/kg dry	1040		BRL				50
Hexachlorobenzene	BRL	U	µg/kg dry	1040		BRL				50
Hexachlorobutadiene	BRL	U	µg/kg dry	1040		BRL				50
Hexachlorocyclopentadiene	BRL	U	µg/kg dry	1040		BRL				50
Hexachloroethane	BRL	U	µg/kg dry	1040		BRL				50
Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	1040		BRL				50
Isophorone	BRL	U	µg/kg dry	1040		BRL				50
1-Methylnaphthalene	BRL	U	µg/kg dry	1040		BRL				50
2-Methylnaphthalene	BRL	U	µg/kg dry	1040		BRL				50
2-Methylphenol	BRL	U	µg/kg dry	1040		BRL				50
3,4-Methylphenol	BRL	U	µg/kg dry	1040		BRL				50
Naphthalene	BRL	U	µg/kg dry	1040		BRL				50
2-Nitroaniline	BRL	U	µg/kg dry	1040		BRL				50
3-Nitroaniline	BRL	U	µg/kg dry	1040		BRL				50
4-Nitroaniline	BRL	U	µg/kg dry	4140		BRL				50
Nitrobenzene	BRL	U	µg/kg dry	1040		BRL				50
2-Nitrophenol	BRL	U	µg/kg dry	1040		BRL				50
4-Nitrophenol	BRL	U	µg/kg dry	4140		BRL				50
N-Nitrosodimethylamine	BRL	U	µg/kg dry	1040		BRL				50
N-Nitrosodi-n-propylamine	BRL	U	µg/kg dry	1040		BRL				50
N-Nitrosodiphenylamine	BRL	U	µg/kg dry	1040		BRL				50
Pentachlorophenol	BRL	U	µg/kg dry	4140		BRL				50
Phenanthrene	BRL	U	µg/kg dry	1040		BRL				50
Phenol	BRL	U	µg/kg dry	1040		BRL				50
Pyrene	BRL	U	µg/kg dry	1040		BRL				50
Pyridine	BRL	U	µg/kg dry	1040		BRL				50
1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	1040		BRL				50
2,4,5-Trichlorophenol	BRL	U	µg/kg dry	1040		BRL				50
2,4,6-Trichlorophenol	BRL	U	µg/kg dry	1040		BRL				50
Surrogate: 2-Fluorobiphenyl	*5110*		µg/kg dry		*5230*		*98*	*30-130*		
Surrogate: 2-Fluorophenol	*5040*		µg/kg dry		*5230*		*96*	*15-110*		
Surrogate: Nitrobenzene-d5	*5210*		µg/kg dry		*5230*		*100*	*30-130*		
Surrogate: Phenol-d5	*4800*		µg/kg dry		*5230*		*92*	*15-110*		
Surrogate: Terphenyl-dl4	*4700*		µg/kg dry		*5230*		*90*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*5430*		µg/kg dry		*5230*		*104*	*15-110*		
Matrix Spike (7090978-MS1) **Source: SA68105-11**										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Acenaphthene	4260		µg/kg dry	532	5370	BRL	79	40-140		
4-Chloro-3-methylphenol	7850		µg/kg dry	532	10700	BRL	73	30-130		
2-Chlorophenol	7580		µg/kg dry	532	10700	BRL	71	30-130		
1,4-Dichlorobenzene	3820		µg/kg dry	532	5370	BRL	71	40-140		
2,4-Dinitrotoluene	4100		µg/kg dry	532	5370	BRL	76	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090978 - SW846 3550B										
Matrix Spike (7090978-MS1) **Source: SA68105-11**										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
4-Nitrophenol	8580		µg/kg dry	2130	10700	BRL	80	30-130		
N-Nitrosodi-n-propylamine	4320		µg/kg dry	532	5370	BRL	80	40-140		
Pentachlorophenol	9310		µg/kg dry	2130	10700	BRL	87	30-130		
Phenol	7660		µg/kg dry	532	10700	BRL	71	30-130		
Pyrene	3940		µg/kg dry	532	5370	BRL	73	40-140		
1,2,4-Trichlorobenzene	3950		µg/kg dry	532	5370	BRL	74	40-140		
Surrogate: 2-Fluorobiphenyl	*4150*		µg/kg dry		*5370*		*77*	*30-130*		
Surrogate: 2-Fluorophenol	*4020*		µg/kg dry		*5370*		*75*	*15-110*		
Surrogate: Nitrobenzene-d5	*4410*		µg/kg dry		*5370*		*82*	*30-130*		
Surrogate: Phenol-d5	*3550*		µg/kg dry		*5370*		*66*	*15-110*		
Surrogate: Terphenyl-dl4	*4070*		µg/kg dry		*5370*		*76*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*4720*		µg/kg dry		*5370*		*88*	*15-110*		
Matrix Spike Dup (7090978-MSD1) **Source: SA68105-11**										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Acenaphthene	3900		µg/kg dry	510	5150	BRL	76	40-140	5	30
4-Chloro-3-methylphenol	7220		µg/kg dry	510	10300	BRL	70	30-130	4	30
2-Chlorophenol	7050		µg/kg dry	510	10300	BRL	68	30-130	3	30
1,4-Dichlorobenzene	3550		µg/kg dry	510	5150	BRL	69	40-140	3	30
2,4-Dinitrotoluene	3760		µg/kg dry	510	5150	BRL	73	40-140	4	30
4-Nitrophenol	8080		µg/kg dry	2040	10300	BRL	78	30-130	2	30
N-Nitrosodi-n-propylamine	4000		µg/kg dry	510	5150	BRL	78	40-140	4	30
Pentachlorophenol	8610		µg/kg dry	2040	10300	BRL	84	30-130	4	30
Phenol	7040		µg/kg dry	510	10300	BRL	68	30-130	4	30
Pyrene	3590		µg/kg dry	510	5150	BRL	70	40-140	5	30
1,2,4-Trichlorobenzene	3650		µg/kg dry	510	5150	BRL	71	40-140	4	30
Surrogate: 2-Fluorobiphenyl	*3810*		µg/kg dry		*5150*		*74*	*30-130*		
Surrogate: 2-Fluorophenol	*3750*		µg/kg dry		*5150*		*73*	*15-110*		
Surrogate: Nitrobenzene-d5	*4070*		µg/kg dry		*5150*		*79*	*30-130*		
Surrogate: Phenol-d5	*3310*		µg/kg dry		*5150*		*64*	*15-110*		
Surrogate: Terphenyl-dl4	*3740*		µg/kg dry		*5150*		*73*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*4360*		µg/kg dry		*5150*		*85*	*15-110*		
Batch 7090987 - SW846 3535										
Blank (7090987-BLK1)										
Prepared & Analyzed: 17-Sep-07										
1,4-Dichlorobenzene	BRL	U	µg/l	5.00						
2,4-Dinitrotoluene	BRL	U	µg/l	5.00						
Hexachlorobenzene	BRL	U	µg/l	5.00						
Hexachlorobutadiene	BRL	U	µg/l	5.00						
Hexachloroethane	BRL	U	µg/l	5.00						
2-Methylphenol	BRL	U	µg/l	5.00						
3,4-Methylphenol	BRL	U	µg/l	10.0						
Nitrobenzene	BRL	U	µg/l	5.00						
Pentachlorophenol	BRL	U	µg/l	5.00						
Pyridine	BRL	U	µg/l	5.00						
2,4,5-Trichlorophenol	BRL	U	µg/l	5.00						
2,4,6-Trichlorophenol	BRL	U	µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*164*		µg/l		*200*		*82*	*30-130*		
Surrogate: 2-Fluorophenol	*163*		µg/l		*200*		*82*	*15-110*		
Surrogate: Nitrobenzene-d5	*192*		µg/l		*200*		*96*	*30-130*		
Surrogate: Terphenyl-dl4	*166*		µg/l		*200*		*83*	*30-130*		
LCS (7090987-BS1)										

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090987 - SW846 3535										
Prepared & Analyzed: 17-Sep-07										
1,4-Dichlorobenzene	185		µg/l	5.00	200		92	40-140		
2,4-Dinitrotoluene	222		µg/l	5.00	200		111	40-140		
Hexachlorobenzene	192		µg/l	5.00	200		96	40-140		
Hexachlorobutadiene	152		µg/l	5.00	200		76	40-140		
Hexachloroethane	180		µg/l	5.00	200		90	40-140		
2-Methylphenol	193		µg/l	5.00	200		96	30-130		
3,4-Methylphenol	180		µg/l	10.0	200		90	40-130		
Nitrobenzene	192		µg/l	5.00	200		96	40-140		
Pentachlorophenol	209		µg/l	5.00	200		104	30-130		
Pyridine	202		µg/l	5.00	200		101	40-140		
2,4,5-Trichlorophenol	185		µg/l	5.00	200		92	30-130		
2,4,6-Trichlorophenol	180		µg/l	5.00	200		90	30-130		
Surrogate: 2-Fluorobiphenyl	*77.4*		µg/l		*200*		*39*	*30-130*		
Surrogate: 2-Fluorophenol	*70.7*		µg/l		*200*		*35*	*15-110*		
Surrogate: Nitrobenzene-d5	*80.2*		µg/l		*200*		*40*	*30-130*		
Surrogate: Terphenyl-dl4	*83.5*		µg/l		*200*		*42*	*30-130*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090888 - SW846 3050B										
Blank (7090888-BLK1)										
Prepared: 15-Sep-07 Analyzed: 17-Sep-07										
Magnesium	BRL	U	mg/kg wet	4.47						
Manganese	BRL	U	mg/kg wet	0.893						
Iron	BRL	U	mg/kg wet	1.79						
Nickel	BRL	U	mg/kg wet	0.893						
Potassium	BRL	U	mg/kg wet	44.7						
Selenium	BRL	U	mg/kg wet	1.34						
Sodium	BRL	U	mg/kg wet	22.3						
Lead	BRL	U	mg/kg wet	1.34						
Zinc	BRL	U	mg/kg wet	0.893						
Thallium	BRL	U	mg/kg wet	2.68						
Antimony	BRL	U	mg/kg wet	2.68						
Vanadium	BRL	U	mg/kg wet	1.34						
Cobalt	BRL	U	mg/kg wet	0.893						
Calcium	BRL	U	mg/kg wet	33.5						
Arsenic	BRL	U	mg/kg wet	1.34						
Chromium	BRL	U	mg/kg wet	0.893						
Copper	BRL	U	mg/kg wet	0.893						
Beryllium	BRL	U	mg/kg wet	0.447						
Aluminum	BRL	U	mg/kg wet	1.79						
Cadmium	BRL	U	mg/kg wet	0.447						
Silver	BRL	U	mg/kg wet	1.34						
Barium	BRL	U	mg/kg wet	0.893						
Duplicate (7090888-DUP1) **Source: SA68097-01**										
Prepared: 15-Sep-07 Analyzed: 17-Sep-07										
Lead	51.1		mg/kg dry	1.56		52.9			4	20
Magnesium	2040	QR5	mg/kg dry	5.19		3180			43	20
Nickel	13.2	QR6	mg/kg dry	1.04		26.7			68	20
Manganese	230	QR6	mg/kg dry	1.04		550			82	20
Selenium	1.28	QR4, J	mg/kg dry	1.56		1.70			29	20
Thallium	BRL	U	mg/kg dry	3.11		BRL				20
Zinc	50.3	QR6	mg/kg dry	1.04		63.9			24	20
Antimony	BRL	U	mg/kg dry	3.11		0.426				20
Iron	10400		mg/kg dry	2.07		11900			13	20
Potassium	993		mg/kg dry	51.9		1150			15	20
Vanadium	20.7		mg/kg dry	1.56		23.2			11	20
Sodium	114	QR5	mg/kg dry	25.9		177			43	20
Beryllium	0.332	J	mg/kg dry	0.519		0.349			5	20
Cobalt	5.22		mg/kg dry	1.04		5.39			3	20
Cadmium	0.363	QR4, J	mg/kg dry	0.519		0.469			26	20
Aluminum	6410		mg/kg dry	2.07		7080			10	20
Chromium	12.8		mg/kg dry	1.04		14.0			9	20
Calcium	2530		mg/kg dry	38.9		2630			4	20
Copper	20.2	QR6	mg/kg dry	1.04		28.1			32	20
Arsenic	2.77		mg/kg dry	1.56		2.87			3	20
Silver	BRL	U	mg/kg dry	1.56		BRL				20
Barium	53.2		mg/kg dry	1.04		64.8			20	20
Matrix Spike (7090888-MS1) **Source: SA68097-02**										
Prepared: 15-Sep-07 Analyzed: 17-Sep-07										
Selenium	108		mg/kg dry	1.38	115	0.464	93	75-125		

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* Reportable Detection Limit BRL = Below Reporting Limit

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090888 - SW846 3050B										
Matrix Spike (7090888-MS1) **Source: SA68097-02**										
Prepared: 15-Sep-07 Analyzed: 17-Sep-07										
Lead	104		mg/kg dry	1.38	115	3.66	87	75-125		
Sodium	987	QM8	mg/kg dry	23.0	575	129	149	75-125		
Nickel	111		mg/kg dry	0.920	115	7.34	90	75-125		
Thallium	97.5		mg/kg dry	2.76	115	BRL	85	75-125		
Potassium	2400	QM8	mg/kg dry	46.0	1150	770	142	75-125		
Antimony	86.9		mg/kg dry	2.76	115	BRL	76	75-125		
Zinc	120		mg/kg dry	0.920	115	16.6	90	75-125		
Manganese	372		mg/kg dry	0.920	115	279	81	75-125		
Iron	11300	QM2	mg/kg dry	1.84	115	6720	3940	75-125		
Vanadium	133		mg/kg dry	1.38	115	14.0	104	75-125		
Magnesium	3150	QM2	mg/kg dry	4.60	115	2650	439	75-125		
Calcium	5490	QM2	mg/kg dry	34.5	575	6980	-258	75-125		
Silver	68.5	QM8	mg/kg dry	1.38	115	BRL	60	75-125		
Arsenic	106		mg/kg dry	1.38	115	0.876	91	75-125		
Aluminum	6280	QM2	mg/kg dry	1.84	115	3520	2400	75-125		
Beryllium	109		mg/kg dry	0.460	115	0.167	95	75-125		
Cobalt	107		mg/kg dry	0.920	115	3.12	90	75-125		
Copper	129		mg/kg dry	0.920	115	11.7	102	75-125		
Chromium	118		mg/kg dry	0.920	115	7.40	96	75-125		
Cadmium	103		mg/kg dry	0.460	115	0.182	89	75-125		
Barium	158		mg/kg dry	0.920	115	27.8	113	75-125		
Matrix Spike Dup (7090888-MSD1) **Source: SA68097-02**										
Prepared: 15-Sep-07 Analyzed: 17-Sep-07										
Nickel	127		mg/kg dry	1.02	127	7.34	94	75-125	14	35
Thallium	106		mg/kg dry	3.06	127	BRL	83	75-125	8	35
Potassium	3140	QM8	mg/kg dry	50.9	1270	770	186	75-125	27	35
Magnesium	4890	QM2	mg/kg dry	5.09	127	2650	1760	75-125	43	35
Antimony	91.6	QM8	mg/kg dry	3.06	127	BRL	72	75-125	5	35
Selenium	120		mg/kg dry	1.53	127	0.464	94	75-125	11	35
Sodium	1480	QM8, QR5	mg/kg dry	25.5	637	129	212	75-125	40	35
Lead	111		mg/kg dry	1.53	127	3.66	85	75-125	7	35
Zinc	130		mg/kg dry	1.02	127	16.6	89	75-125	8	35
Iron	7910	QM2	mg/kg dry	2.04	127	6720	935	75-125	35	35
Manganese	361	QM8	mg/kg dry	1.02	127	279	65	75-125	3	35
Vanadium	133		mg/kg dry	1.53	127	14.0	94	75-125	0.2	35
Beryllium	118		mg/kg dry	0.509	127	0.167	93	75-125	8	35
Cobalt	116		mg/kg dry	1.02	127	3.12	89	75-125	8	35
Arsenic	116		mg/kg dry	1.53	127	0.876	91	75-125	9	35
Aluminum	7430	QM2	mg/kg dry	2.04	127	3520	3070	75-125	17	35
Calcium	7990	QM2	mg/kg dry	38.2	637	6980	160	75-125	37	35
Chromium	133		mg/kg dry	1.02	127	7.40	99	75-125	12	35
Cadmium	111		mg/kg dry	0.509	127	0.182	87	75-125	7	35
Silver	73.8	QM8	mg/kg dry	1.53	127	BRL	58	75-125	8	35
Copper	137		mg/kg dry	1.02	127	11.7	98	75-125	6	35
Barium	167		mg/kg dry	1.02	127	27.8	109	75-125	5	35
Post Spike (7090888-PS1) **Source: SA68097-02**										
Prepared: 15-Sep-07 Analyzed: 17-Sep-07										
Lead	2.23		mg/kg dry		2.50	0.0717	86	80-120		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090888 - SW846 3050B										
Post Spike (7090888-PS1) **Source: SA68097-02**										
Prepared: 15-Sep-07 Analyzed: 17-Sep-07										
Thallium	2.14		mg/kg dry		2.50	-0.0133	86	80-120		
Selenium	2.36		mg/kg dry		2.50	0.0091	94	80-120		
Iron	143	QM2	mg/kg dry		2.50	132	452	80-120		
Nickel	2.42		mg/kg dry		2.50	0.144	91	80-120		
Sodium	15.6		mg/kg dry		12.5	2.52	105	80-120		
Zinc	2.57		mg/kg dry		2.50	0.325	90	80-120		
Vanadium	2.52		mg/kg dry		2.50	0.275	90	80-120		
Manganese	8.16		mg/kg dry		2.50	5.46	108	80-120		
Potassium	39.0		mg/kg dry		25.0	15.1	95	80-120		
Magnesium	62.5	QM2	mg/kg dry		2.50	51.9	426	80-120		
Antimony	2.26		mg/kg dry		2.50	0.0046	90	80-120		
Chromium	2.41		mg/kg dry		2.50	0.145	91	80-120		
Cadmium	2.21		mg/kg dry		2.50	0.0036	88	80-120		
Copper	2.67		mg/kg dry		2.50	0.229	98	80-120		
Aluminum	78.4	QM2	mg/kg dry		2.50	69.0	378	80-120		
Beryllium	2.36		mg/kg dry		2.50	0.0033	94	80-120		
Arsenic	2.30		mg/kg dry		2.50	0.0172	91	80-120		
Calcium	110	QM2	mg/kg dry		12.5	137	-215	80-120		
Cobalt	2.30		mg/kg dry		2.50	0.0611	89	80-120		
Silver	2.32		mg/kg dry		2.50	-0.0034	93	80-120		
Barium	3.02		mg/kg dry		2.50	0.545	99	80-120		
Reference (7090888-SRM1)										
Prepared: 15-Sep-07 Analyzed: 17-Sep-07										
Manganese	162		mg/kg wet	1.00	168		96	81.6-118.4		
Iron	6760		mg/kg wet	2.00	8440		80	57.2-142.8		
Magnesium	1360		mg/kg wet	5.00	1420		96	78.2-121.8		
Sodium	614		mg/kg wet	25.0	671		91	64-136.4		
Nickel	72.4		mg/kg wet	1.00	78.8		92	82.6-117.4		
Selenium	80.8		mg/kg wet	1.50	83.9		96	77.6-123		
Zinc	160		mg/kg wet	1.00	176		91	78.9-120.8		
Potassium	1490		mg/kg wet	50.0	1520		98	73.5-126.8		
Lead	33.4		mg/kg wet	1.50	36.7		91	81.9-118.3		
Antimony	27.4		mg/kg wet	3.00	64.6		42	0-210		
Thallium	88.4		mg/kg wet	3.00	93.6		95	77.2-122.3		
Vanadium	89.4		mg/kg wet	1.50	94.6		94	77.4-123.1		
Copper	66.4		mg/kg wet	1.00	67.1		99	83.3-117.4		
Silver	47.7		mg/kg wet	1.50	64.1		74	66.4-134.1		
Aluminum	5540		mg/kg wet	2.00	5290		105	61.2-138.5		
Arsenic	134		mg/kg wet	1.50	142		94	80.7-118.9		
Beryllium	25.2		mg/kg wet	0.500	25.9		97	83.1-116.9		
Calcium	3610		mg/kg wet	37.5	3720		97	80.7-119.3		
Cadmium	83.9		mg/kg wet	0.500	92.6		91	81.9-118.1		
Cobalt	52.5		mg/kg wet	1.00	55.9		94	82.2-118.2		
Chromium	66.9		mg/kg wet	1.00	72.2		93	81-119.7		
Barium	266		mg/kg wet	1.00	264		101	82.7-117.1		
Reference (7090888-SRM2)										
Prepared: 15-Sep-07 Analyzed: 17-Sep-07										
Selenium	81.6		mg/kg wet	1.50	85.8		95	77.6-123		
Zinc	164		mg/kg wet	1.00	180		91	78.9-120.8		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090888 - SW846 3050B										
Reference (7090888-SRM2)										
Prepared: 15-Sep-07 Analyzed: 17-Sep-07										
Manganese	167		mg/kg wet	1.00	172		97	81.6-118.4		
Antimony	28.1		mg/kg wet	3.00	66.1		43	0-210		
Thallium	88.4		mg/kg wet	3.00	95.7		92	77.2-122.3		
Iron	7000		mg/kg wet	2.00	8630		81	57.2-142.8		
Vanadium	91.6		mg/kg wet	1.50	96.7		95	77.4-123.1		
Nickel	73.3		mg/kg wet	1.00	80.6		91	82.6-117.4		
Sodium	624		mg/kg wet	25.0	687		91	64-136.4		
Lead	34.2		mg/kg wet	1.50	37.6		91	81.9-118.3		
Magnesium	1390		mg/kg wet	5.00	1460		96	78.2-121.8		
Potassium	1500		mg/kg wet	50.0	1550		97	73.5-126.8		
Cadmium	85.6		mg/kg wet	0.500	94.7		90	81.9-118.1		
Calcium	3620		mg/kg wet	37.5	3800		95	80.7-119.3		
Aluminum	5640		mg/kg wet	2.00	5410		104	61.2-138.5		
Beryllium	25.5		mg/kg wet	0.500	26.5		96	83.1-116.9		
Arsenic	138		mg/kg wet	1.50	146		95	80.7-118.9		
Chromium	68.8		mg/kg wet	1.00	73.9		93	81-119.7		
Copper	69.6		mg/kg wet	1.00	68.7		101	83.3-117.4		
Cobalt	53.6		mg/kg wet	1.00	57.2		94	82.2-118.2		
Silver	49.0		mg/kg wet	1.50	65.5		75	66.4-134.1		
Barium	263		mg/kg wet	1.00	270		97	82.7-117.1		
Batch 7090889 - EPA200/SW7000 Series										
Blank (7090889-BLK1)										
Prepared: 15-Sep-07 Analyzed: 18-Sep-07										
Mercury	BRL	U	mg/kg wet	0.0297						
Duplicate (7090889-DUP1) **Source: SA68097-01**										
Prepared: 15-Sep-07 Analyzed: 18-Sep-07										
Mercury	0.288	QR1	mg/kg dry	0.0330		0.182			45	20
Matrix Spike (7090889-MS1) **Source: SA68097-02**										
Prepared: 15-Sep-07 Analyzed: 18-Sep-07										
Mercury	0.485		mg/kg dry	0.0314	0.436	BRL	111	75-125		
Matrix Spike Dup (7090889-MSD1) **Source: SA68097-02**										
Prepared: 15-Sep-07 Analyzed: 18-Sep-07										
Mercury	0.478		mg/kg dry	0.0315	0.437	BRL	109	75-125	2	35
Post Spike (7090889-PS1) **Source: SA68097-02**										
Prepared: 15-Sep-07 Analyzed: 18-Sep-07										
Mercury	0.534	QC1	mg/kg dry	0.0317	0.441	BRL	121	85-115		
Reference (7090889-SRM1)										
Prepared: 15-Sep-07 Analyzed: 18-Sep-07										
Mercury	2.17		mg/kg wet	0.0300	2.22		97	66-132.1		

TCLP Metals by EPA 1311 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091013 - SW846 3010A										
Blank (7091013-BLK1)										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Lead	BRL	U	mg/l	0.0150						
Selenium	BRL	U	mg/l	0.0300						
Arsenic	BRL	U	mg/l	0.0080						
Cadmium	BRL	U	mg/l	0.0050						
Chromium	BRL	U	mg/l	0.0100						
Silver	BRL	U	mg/l	0.0100						
Barium	BRL	U	mg/l	0.0100						
LCS (7091013-BS1)										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Lead	2.21		mg/l	0.0150	2.50		89	76.8-112		
Selenium	2.52		mg/l	0.0300	2.50		101	76.7-121		
Arsenic	2.48		mg/l	0.0080	2.50		99	73.8-119		
Chromium	2.43		mg/l	0.0100	2.50		97	77.4-118		
Silver	2.54		mg/l	0.0100	2.50		102	77.6-121		
Cadmium	2.30		mg/l	0.0050	2.50		92	80.1-118		
Barium	2.38		mg/l	0.0100	2.50		95	71.7-119		
LCS Dup (7091013-BSD1)										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Lead	2.23		mg/l	0.0150	2.50		89	76.8-112	0.7	20
Selenium	2.49		mg/l	0.0300	2.50		100	76.7-121	1	20
Cadmium	2.31		mg/l	0.0050	2.50		92	80.1-118	0.09	20
Chromium	2.41		mg/l	0.0100	2.50		97	77.4-118	0.6	20
Arsenic	2.44		mg/l	0.0080	2.50		98	73.8-119	2	20
Silver	2.55		mg/l	0.0100	2.50		102	77.6-121	0.2	104
Barium	2.37		mg/l	0.0100	2.50		95	71.7-119	0.5	20
Duplicate (7091013-DUP1) **Source: SA68097-03**										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Selenium	BRL	U	mg/l	0.0300		BRL				20
Lead	0.101		mg/l	0.0150		0.100			0.3	20
Cadmium	0.0019	J	mg/l	0.0050		0.0020			5	20
Arsenic	BRL	U	mg/l	0.0080		BRL				20
Silver	BRL	U	mg/l	0.0100		BRL				20
Chromium	BRL	U	mg/l	0.0100		BRL				20
Barium	0.618		mg/l	0.0100		0.616			0.3	20
Matrix Spike (7091013-MS1) **Source: SA68097-07**										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Selenium	2.82		mg/l	0.0300	2.50	BRL	113	74.2-124		
Lead	2.54		mg/l	0.0150	2.50	0.0575	99	69.8-117		
Silver	2.89		mg/l	0.0100	2.50	BRL	116	73.1-126		
Chromium	2.74		mg/l	0.0100	2.50	0.0098	109	71.1-123		
Arsenic	2.80		mg/l	0.0080	2.50	BRL	112	71.3-122		
Cadmium	2.58		mg/l	0.0050	2.50	0.0013	103	74.3-119		
Barium	3.22		mg/l	0.0100	2.50	0.545	107	66.4-122		
Matrix Spike Dup (7091013-MSD1) **Source: SA68097-07**										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Lead	2.32		mg/l	0.0150	2.50	0.0575	91	69.8-117	9	20
Selenium	2.60		mg/l	0.0300	2.50	BRL	104	74.2-124	8	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091013 - SW846 3010A										
Matrix Spike Dup (7091013-MSD1) Source: SA68097-07										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Silver	2.65		mg/l	0.0100	2.50	BRL	106	73.1-126	9	20
Cadmium	2.36		mg/l	0.0050	2.50	0.0013	94	74.3-119	9	20
Arsenic	2.57		mg/l	0.0080	2.50	BRL	103	71.3-122	9	20
Chromium	2.50		mg/l	0.0100	2.50	0.0098	100	71.1-123	9	20
Barium	2.98		mg/l	0.0100	2.50	0.545	97	66.4-122	8	20
Post Spike (7091013-PS1) Source: SA68097-07										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Lead	2.56		mg/l	0.0150	2.50	0.0575	100	68.7-121		
Selenium	2.84		mg/l	0.0300	2.50	BRL	114	76.2-126		
Arsenic	2.84		mg/l	0.0080	2.50	BRL	113	72.8-125		
Silver	2.93		mg/l	0.0100	2.50	BRL	117	75.9-129		
Chromium	2.76		mg/l	0.0100	2.50	0.0098	110	72.4-126		
Cadmium	2.60		mg/l	0.0050	2.50	0.0013	104	74.9-122		
Barium	3.31		mg/l	0.0100	2.50	0.545	110	71.5-120		
Batch 7091016 - EPA200/SW7000 Series										
Blank (7091016-BLK1)										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Mercury	BRL	U	mg/l	0.00020						
LCS (7091016-BS1)										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Mercury	0.00516		mg/l	0.00020	0.00500		103	57-119		
Duplicate (7091016-DUP1) Source: SA68097-03										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Mercury	BRL	U	mg/l	0.00020		BRL				20
Matrix Spike (7091016-MS1) Source: SA68097-07										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Mercury	0.00543		mg/l	0.00020	0.00500	BRL	109	54.7-121		
Matrix Spike Dup (7091016-MSD1) Source: SA68097-07										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Mercury	0.00515		mg/l	0.00020	0.00500	BRL	103	54.7-121	5	35
Post Spike (7091016-PS1) Source: SA68097-07										
Prepared: 17-Sep-07 Analyzed: 18-Sep-07										
Mercury	0.00424		mg/l	0.00020	0.00500	BRL	85	54.5-122		

Toxicity Characteristics - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090817 - General Preparation										
Duplicate (7090817-DUP1) **Source: SA68028-04**										
Prepared & Analyzed: 13-Sep-07										
pH	7.02		pH Units			6.99			0.4	5
Reference (7090817-SRM1)										
Prepared & Analyzed: 13-Sep-07										
pH	7.04		pH Units		7.00		101	97.5-102.5		
Batch 7090828 - General Preparation										
Duplicate (7090828-DUP1) **Source: SA68097-07**										
Prepared & Analyzed: 14-Sep-07										
Ignitability by Definition	Negative		N/A			Negative				35
Batch 7091043 - General Preparation										
Blank (7091043-BLK1)										
Prepared & Analyzed: 17-Sep-07										
Reactivity	Negative		mg/kg wet							
Reactive Cyanide	BRL	U	mg/kg wet	25.0						
Reactive Sulfide	BRL	U	mg/kg wet	50.0						
Duplicate (7091043-DUP1) **Source: SA68077-01**										
Prepared & Analyzed: 17-Sep-07										
Reactivity	Negative		mg/kg dry			0.00				200
Reactive Cyanide	BRL	U	mg/kg dry	25.0		BRL				20
Reactive Sulfide	BRL	U	mg/kg dry	49.9		BRL				20

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090845 - General Preparation										
Duplicate (7090845-DUP1)	**Source: SA67821-01**									
Prepared & Analyzed: 14-Sep-07										
% Solids	97.1		%			97.3			0.2	20
Batch 7091009 - SW846 9010										
Blank (7091009-BLK1)										
Prepared & Analyzed: 17-Sep-07										
Cyanide (total)	BRL	U	mg/kg wet	1.00						
LCS (7091009-BS1)										
Prepared & Analyzed: 17-Sep-07										
Cyanide (total)	32.6		mg/kg wet	1.00	30.0		109	90-110		
LCS (7091009-BS2)										
Prepared & Analyzed: 17-Sep-07										
Cyanide (total)	76.6		mg/kg wet	1.00	80.0		96	90-110		
Duplicate (7091009-DUP1)	**Source: SA68097-01**									
Prepared & Analyzed: 17-Sep-07										
Cyanide (total)	BRL	U	mg/kg dry	1.08		BRL				35
Matrix Spike (7091009-MS1)	**Source: SA68097-01**									
Prepared & Analyzed: 17-Sep-07										
Cyanide (total)	11.6	QM9	mg/kg dry	1.03	10.3	BRL	114	90-110		
Matrix Spike Dup (7091009-MSD1)	**Source: SA68097-01**									
Prepared & Analyzed: 17-Sep-07										
Cyanide (total)	12.5	QM9	mg/kg dry	1.11	11.1	BRL	113	90-110	7	35
Post Spike (7091009-PS1)	**Source: SA68097-01**									
Prepared & Analyzed: 17-Sep-07										
Cyanide (total)	0.120		mg/kg dry		0.100	0.000898	119	75-125		
Reference (7091009-SRM1)										
Prepared & Analyzed: 17-Sep-07										
Cyanide (total)	77.2		mg/kg wet	2.29	85.1		91	35.7-145.7		

Notes and Definitions

J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
O01	This compound is a common laboratory contaminant.
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.
QM9	The spike recovery for this QC sample is outside the established control limits. The sample results for the QC batch were accepted based on LCS or SRM recoveries within the control limits.
QR1	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR4	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
QR5	RPD out of acceptance range.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
U	Analyte included in the analysis, but not detected
Z-2	ANALYTE RESPONSE WAS HIGH FOR THE SECONDARY CONFIRMING ANALYSIS: THIS ANALYTE WAS NOT DETECTED IN THE SAMPLES
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

SA68097 CK

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 day
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Jamie Baer
Langan Engineering
360 W. 31st St.
NY, NY 10001
Project Mgr.: Jamie Baer

Invoice To: (same)
P.O. No.: RQN:

Project No.: 5762901
Site Name: 166-218 Myrtle Ave
Location: Brooklyn State: NY
Sampler(s): H. Gatzoulis

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9=_____ 10=_____

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC
☒ Other _____
State specific reporting standards: NYS CAT A

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	NYS TAGM 4046	TCLP VOCs	TCLP SVOCs	TCLP Metals	TCLP Pesticides	TCLP Herbicides	Reactivity (CN's)	Corrosivity	Ignitability
SA68097-01	LEG-19(mw)-0-2	09/12/07	13:00	G	SO	∅		1			X								
02	LEG-19(mw)-24-26	09/12/07	13:15	G	SO	∅		1			X	X							
03	LEG-19(mw)-WC	09/12/07	13:30	C	SO	∅		2					X	X	X	X	X	X	X
04	DUP-3				SO	∅		1			X								
05	LEG-21C-(6-2)	9/13/07	11:15	G	SO	∅		2			X								
	~~LEG-21C-(24-26)~~	~~9/13/07~~	~~12:30~~																
06	LEG-21C-22-24	9/13/07	12:30	G	SO	∅		2			X	X							
07	LEG-21C-WC	9/13/07	12:50	C	SO	∅		2					X	X	X	X	X	X	X

☐ Fax results when available to (____) _____
☒ E-mail to jbaer@langan.com
EDD Format excel, pdf, Equis
Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 4.6
Cooler

Relinquished by:	Received by:	Date:	Time:
H. Gatzoulis	Michael Graham	9-13-07	1:05 pm
Michael Graham	[signature]	9/13/07	1630

Report Date:
17-Sep-07 13:52

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
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Laboratory Report

Langan Engineering & Env Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: 166-218 Myrtle Ave - Brooklyn, NY
Project 5162901

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA67825-01	LEG 21b-0-2	Soil	07-Sep-07 10:45	08-Sep-07 09:15
SA67825-02	LEG 21b-22-24	Soil	07-Sep-07 15:35	08-Sep-07 09:15
SA67825-03	LEG 21b-WC1	Soil	07-Sep-07 15:42	08-Sep-07 09:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 53 pages of analytical data plus Chain of Custody document(s).
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Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NH-2972, NY-11840, FL-E87936 and NJ-MA012).

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 21b-0-2 SA67825-01	5162901	Soil	07-Sep-07 10:45	08-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
	VOC Extraction	Lab extracted		N/A		1	VOC Soil Extraction	10-Sep-07	10-Sep-07	7090499	DG
Volatile Organic Compounds			R05								
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freo	BRL	U	µg/kg dry	71.8	50	SW 846 8260B	13-Sep-07	13-Sep-07	7090787	adu
67-64-1	Acetone	BRL	U	µg/kg dry	718	50	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	718	50	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	359	50	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	144	50	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	718	50	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/kg dry	718	50	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	144	50	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	71.8	50	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*107*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*103*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*100*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*96*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL	U	µg/kg dry	17.4	1	SW846 8081A	12-Sep-07	12-Sep-07	7090619	TG
319-85-7	beta-BHC	BRL	U	µg/kg dry	17.4	1	"	"	"	"	"
319-86-8	delta-BHC	BRL	U	µg/kg dry	17.4	1	"	"	"	"	"
58-89-9	gamma-BHC (Lindane)	BRL	U	µg/kg dry	17.4	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	17.4	1	"	"	"	"	"
309-00-2	Aldrin	BRL	U	µg/kg dry	17.4	1	"	"	"	"	"
1024-57-3	Heptachlor epoxide	BRL	U	µg/kg dry	17.4	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	17.4	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 21b-0-2 SA67825-01	5162901	Soil	07-Sep-07 10:45	08-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
60-57-1	Dieldrin	1.71	J	µg/kg dry	17.4	1	SW846 8081A	12-Sep-07	12-Sep-07	7090619	TG
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	17.4	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	17.4	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	17.4	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	17.4	1	"	"	"	"	"
1031-07-8	Endosulfan sulfate	BRL	U	µg/kg dry	17.4	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	12.3	J	µg/kg dry	17.4	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	17.4	1	"	"	"	"	"
53494-70-5	Endrin ketone	BRL	U	µg/kg dry	17.4	1	"	"	"	"	"
7421-93-4	Endrin aldehyde	BRL	U	µg/kg dry	17.4	1	"	"	"	"	"
5103-71-9	alpha-Chlordane	5.52	J	µg/kg dry	17.4	1	"	"	"	"	"
5103-74-2	gamma-Chlordane	5.71	J	µg/kg dry	17.4	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/kg dry	87.0	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	87.0	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*40*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*79*		*30-150 %*			"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	34.8	1	SW846 8082	12-Sep-07	12-Sep-07	7090617	SM
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	34.8	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	34.8	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	34.8	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	34.8	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	34.8	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	34.8	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	34.8	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	34.8	1	"	"	"	"	"
Surrogate recoveries:											
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*		*30-150 %*			"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*40*		*30-150 %*			"	"	"	"	"
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	1	SW846 8151A	12-Sep-07	13-Sep-07	7090620	MAL
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1	"	"	"	"	"
94-82-6	2,4-DB	BRL	U	µg/kg dry	6.70	1	"	"	"	"	"
75-99-0	Dalapon	BRL	U	µg/kg dry	6.70	1	"	"	"	"	"
1918-00-9	Dicamba	BRL	U	µg/kg dry	6.70	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL	U	µg/kg dry	6.70	1	"	"	"	"	"
88-85-7	Dinoseb	BRL	U	µg/kg dry	6.70	1	"	"	"	"	"
94-74-6	MCPA	BRL	U	µg/kg dry	670	1	"	"	"	"	"
94-81-5	MCPB	BRL	U	µg/kg dry	670	1	"	"	"	"	"
93-65-2	MCPP	BRL	U	µg/kg dry	670	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*73*		*30-150 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 21b-0-2 SA67825-01	5162901	Soil	07-Sep-07 10:45	08-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL	U	µg/kg dry	288	1	SW846 8270C	11-Sep-07	14-Sep-07	7090506	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	288	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	288	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/kg dry	288	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	82.7	J	µg/kg dry	288	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	79.8	J	µg/kg dry	288	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	70.4	J	µg/kg dry	288	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	45.4	J	µg/kg dry	288	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	68.1	J	µg/kg dry	288	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	288	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	288	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	288	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	288	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	288	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	288	1	"	"	"	"	"
218-01-9	Chrysene	86.2	J	µg/kg dry	288	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	288	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	288	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	288	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	288	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	288	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	288	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	288	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	288	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	288	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	288	1	"	"	"	"	"
206-44-0	Fluoranthene	192	J	µg/kg dry	288	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	288	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	288	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	47.2	J	µg/kg dry	288	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	288	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	288	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	288	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	288	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	288	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	288	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	288	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	288	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	288	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	1150	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	1150	1	"	"	"	"	"
85-01-8	Phenanthrene	121	J	µg/kg dry	288	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	288	1	"	"	"	"	"
129-00-0	Pyrene	157	J	µg/kg dry	288	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	288	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*72*		*30-130 %*			"	"	"	"	"
367-12-4	*2-Fluorophenol*	*71*		*15-110 %*			"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*71*		*30-130 %*			"	"	"	"	"
4165-62-2	*Phenol-d5*	*68*		*15-110 %*			"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 21b-0-2 SA67825-01	5162901	Soil	07-Sep-07 10:45	08-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
1718-51-0	*Terphenyl-dl4*	*72*		*30-130 %*			SW846 8270C	11-Sep-07	14-Sep-07	7090506	M.B
118-79-6	*2,4,6-Tribromophenol*	*74*		*15-110 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	0.752	J	mg/kg dry	1.56	1	SW846 6010B	12-Sep-07	13-Sep-07	7090697	HB
7429-90-5	Aluminum	5,750		mg/kg dry	2.08	1	"	"	"	"	"
7440-38-2	Arsenic	3.88	J	mg/kg dry	4.67	1	"	"	"	"	"
7440-39-3	Barium	56.1		mg/kg dry	1.04	1	"	"	"	"	"
7440-41-7	Beryllium	0.374	J	mg/kg dry	0.519	1	"	"	"	"	"
7440-70-2	Calcium	2,630		mg/kg dry	25.9	1	"	"	"	"	"
7440-43-9	Cadmium	0.270	J	mg/kg dry	0.519	1	"	"	"	"	"
7440-48-4	Cobalt	4.21		mg/kg dry	1.04	1	"	"	"	"	"
7440-47-3	Chromium	13.0		mg/kg dry	1.04	1	"	"	"	"	"
7440-50-8	Copper	21.7		mg/kg dry	1.04	1	"	"	"	"	"
7439-89-6	Iron	10,200		mg/kg dry	2.08	1	"	"	"	"	"
7439-97-6	Mercury	0.167		mg/kg dry	0.0355	1	SW846 7471A	"	13-Sep-07	7090699	WinHg
7440-09-7	Potassium	954		mg/kg dry	51.9	1	SW846 6010B	"	13-Sep-07	7090697	HB
7439-95-4	Magnesium	1,950		mg/kg dry	5.19	1	"	"	"	"	"
7439-96-5	Manganese	219		mg/kg dry	1.04	1	"	"	"	"	"
7440-23-5	Sodium	443		mg/kg dry	25.9	1	"	"	"	"	"
7440-02-0	Nickel	13.3		mg/kg dry	1.04	1	"	"	"	"	"
7439-92-1	Lead	93.9		mg/kg dry	1.56	1	"	"	"	"	"
7440-36-0	Antimony	0.628	J	mg/kg dry	3.11	1	"	"	"	"	"
7782-49-2	Selenium	0.534	J	mg/kg dry	1.56	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	3.11	1	"	"	"	"	"
7440-62-2	Vanadium	17.9		mg/kg dry	1.56	1	"	"	"	"	"
7440-66-6	Zinc	56.1		mg/kg dry	1.04	1	"	"	"	"	"
General Chemistry Parameters											
	% Solids	84.3		%		1	SM2540 G Mod.	12-Sep-07	12-Sep-07	7090632	DG
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.15	1	10-204-00-1-A / SW846 9012A / EPA 335.4	14-Sep-07	14-Sep-07	7090820	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 21b-22-24 SA67825-02	5162901	Soil	07-Sep-07 15:35	08-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
	TCLP Extraction	Completed		N/A		1	SW846 1311	10-Sep-07	10-Sep-07	7090490	BD
	VOC Extraction	Field extracted		N/A		1	VOC Soil Extraction	10-Sep-07	10-Sep-07	7090499	DG
Volatile Organic Compounds											
Prepared by method SW846 5030 Soil (high level)											
76-13-1	1,1,2-Trichlorotrifluoroethane (Freo	BRL	U	µg/kg dry	51.2	50	SW 846 8260B	14-Sep-07	14-Sep-07	7090868	adu
67-64-1	Acetone	BRL	U	µg/kg dry	512	50	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	512	50	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	256	50	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	102	50	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	512	50	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/kg dry	512	50	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	102	50	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	51.2	50	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*106*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*89*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*91*		*70-130 %*			"	"	"	"	"
TCLP Volatile Organic Compounds by 8260B (TCL)											
Prepared by method SW846 5030 Water MS											
71-43-2	Benzene	BRL	U	µg/l	5.0	5	SW846 1311/8260B	13-Sep-07	13-Sep-07	7090752	EQ
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	50.0	5	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	5.0	5	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	5.0	5	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	5.0	5	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	5.0	5	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	5.0	5	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	5.0	5	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	5.0	5	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 21b-22-24	5162901	Soil	07-Sep-07 15:35	08-Sep-07
SA67825-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds											
TCLP Volatile Organic Compounds by 8260B (TCL)											
Prepared by method SW846 5030 Water MS											
79-01-6	Trichloroethene	BRL	U	µg/l	5.0	5	SW846 1311/8260B	13-Sep-07	13-Sep-07	7090752	EQ
75-01-4	Vinyl chloride	BRL	U	µg/l	5.0	5	"	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*99*		*70-130 %*			"	"	"	"	"
2037-26-5	*Toluene-d8*	*99*		*70-130 %*			"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*102*		*70-130 %*			"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*98*		*70-130 %*			"	"	"	"	"
Semivolatile Organic Compounds by GC											
Organochlorine Pesticides SW846 8081A											
Prepared by method SW846 3550B											
319-84-6	alpha-BHC	BRL	U	µg/kg dry	15.5	1	SW846 8081A	12-Sep-07	12-Sep-07	7090619	TG
319-85-7	beta-BHC	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
319-86-8	delta-BHC	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
58-89-9	gamma-BHC (Lindane)	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
309-00-2	Aldrin	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
1024-57-3	Heptachlor epoxide	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
60-57-1	Dieldrin	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
1031-07-8	Endosulfan sulfate	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
53494-70-5	Endrin ketone	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
7421-93-4	Endrin aldehyde	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
5103-71-9	alpha-Chlordane	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
5103-74-2	gamma-Chlordane	BRL	U	µg/kg dry	15.5	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/kg dry	77.4	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	77.4	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*53*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*107*		*30-150 %*			"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082											
Prepared by method SW846 3550B											
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	30.9	1	SW846 8082	12-Sep-07	12-Sep-07	7090617	SM
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	30.9	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	30.9	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	30.9	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	30.9	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	30.9	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	30.9	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	30.9	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	30.9	1	"	"	"	"	"
Surrogate recoveries:											
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*		*30-150 %*			"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*			"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 21b-22-24	5162901	Soil	07-Sep-07 15:35	08-Sep-07
SA67825-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GC											
Chlorinated Herbicides by SW846 8151A											
Prepared by method SW846 3550B											
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	1	SW846 8151A	12-Sep-07	13-Sep-07	7090620	MAL
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1	"	"	"	"	"
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1	"	"	"	"	"
94-82-6	2,4-DB	BRL	U	µg/kg dry	6.70	1	"	"	"	"	"
75-99-0	Dalapon	BRL	U	µg/kg dry	6.70	1	"	"	"	"	"
1918-00-9	Dicamba	BRL	U	µg/kg dry	6.70	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL	U	µg/kg dry	6.70	1	"	"	"	"	"
88-85-7	Dinoseb	BRL	U	µg/kg dry	6.70	1	"	"	"	"	"
94-74-6	MCPA	BRL	U	µg/kg dry	670	1	"	"	"	"	"
94-81-5	MCPB	BRL	U	µg/kg dry	670	1	"	"	"	"	"
93-65-2	MCPP	BRL	U	µg/kg dry	670	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*		*30-150 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
83-32-9	Acenaphthene	BRL	U	µg/kg dry	252	1	SW846 8270C	11-Sep-07	14-Sep-07	7090506	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	252	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	252	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	252	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	252	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	252	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	252	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	252	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	252	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	252	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	252	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	252	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	252	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	252	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	252	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	252	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	252	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	252	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 21b-22-24	5162901	Soil	07-Sep-07 15:35	08-Sep-07
SA67825-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS											
Semivolatile Organic Compounds by SW846 8270C											
Prepared by method SW846 3550B											
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	252	1	SW846 8270C	11-Sep-07	14-Sep-07	7090506	M.B
91-20-3	Naphthalene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	252	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	252	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	252	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	1010	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	1010	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	252	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/kg dry	252	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	252	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*74*		*30-130 %*			"	"	"	"	"
367-12-4	*2-Fluorophenol*	*74*		*15-110 %*			"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*75*		*30-130 %*			"	"	"	"	"
4165-62-2	*Phenol-d5*	*71*		*15-110 %*			"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*74*		*30-130 %*			"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*74*		*15-110 %*			"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods											
7440-22-4	Silver	0.804	J	mg/kg dry	1.44	1	SW846 6010B	12-Sep-07	13-Sep-07	7090697	HB
7429-90-5	Aluminum	3,700		mg/kg dry	1.91	1	"	"	"	"	"
7440-38-2	Arsenic	2.03	J	mg/kg dry	4.31	1	"	"	"	"	"
7440-39-3	Barium	27.8		mg/kg dry	0.957	1	"	"	"	"	"
7440-41-7	Beryllium	0.211	J	mg/kg dry	0.479	1	"	"	"	"	"
7440-70-2	Calcium	1,460		mg/kg dry	23.9	1	"	"	"	"	"
7440-43-9	Cadmium	0.177	J	mg/kg dry	0.479	1	"	"	"	"	"
7440-48-4	Cobalt	5.15		mg/kg dry	0.957	1	"	"	"	"	"
7440-47-3	Chromium	11.6		mg/kg dry	0.957	1	"	"	"	"	"
7440-50-8	Copper	10.9		mg/kg dry	0.957	1	"	"	"	"	"
7439-89-6	Iron	8,990		mg/kg dry	1.91	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/kg dry	0.0304	1	SW846 7471A	"	13-Sep-07	7090699	WinHg
7440-09-7	Potassium	1,550		mg/kg dry	47.9	1	SW846 6010B	"	13-Sep-07	7090697	HB
7439-95-4	Magnesium	6,090		mg/kg dry	4.79	1	"	"	"	"	"
7439-96-5	Manganese	214		mg/kg dry	0.957	1	"	"	"	"	"
7440-23-5	Sodium	175		mg/kg dry	23.9	1	"	"	"	"	"
7440-02-0	Nickel	47.7		mg/kg dry	0.957	1	"	"	"	"	"
7439-92-1	Lead	4.17		mg/kg dry	1.44	1	"	"	"	"	"
7440-36-0	Antimony	0.924	J	mg/kg dry	2.87	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.44	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	2.87	1	"	"	"	"	"
7440-62-2	Vanadium	14.2		mg/kg dry	1.44	1	"	"	"	"	"
7440-66-6	Zinc	20.5		mg/kg dry	0.957	1	"	"	"	"	"
General Chemistry Parameters											
	% Solids	95.7		%		1	SM2540 G Mod.	12-Sep-07	12-Sep-07	7090632	DG

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 21b-22-24 SA67825-02	5162901	Soil	07-Sep-07 15:35	08-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
General Chemistry Parameters											
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	0.945	1	10-204-00-1-A / SW846 9012A / EPA 335.4	14-Sep-07	14-Sep-07	7090820	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 21b-WC1	5162901	Soil	07-Sep-07 15:42	08-Sep-07
SA67825-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC											
	TCLP Extraction	Completed		N/A		1	SW846 1311	10-Sep-07	10-Sep-07	7090485	BD
TCLP Pesticides by SW846 1311/8081A											
Prepared by method SW846 3535											
57-74-9	Chlordane	BRL	U	µg/l	0.400	1	SW846 1311/8081A	11-Sep-07	12-Sep-07	7090534	TG
72-20-8	Endrin	BRL	U	µg/l	0.080	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/l	0.080	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/l	0.080	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/l	0.080	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/l	0.080	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/l	0.400	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/l	0.080	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/l	0.080	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/l	0.080	1	"	"	"	"	"
60-57-1	Dieldrin	0.060	J	µg/l	0.080	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*47*		*30-150 %*			"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*92*		*30-150 %*			"	"	"	"	"
TCLP Herbicides by SW846 1311/8151A											
Prepared by method SW846 3535											
94-75-7	2,4-D	BRL	U	µg/l	0.100	1	SW846 1311/8151A	11-Sep-07	11-Sep-07	7090535	MAL
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/l	0.100	1	"	"	"	"	"
Surrogate recoveries:											
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*36*		*30-150 %*			"	"	"	"	"
Semivolatile Organic Compounds by GCMS											
	TCLP Extraction	Completed		N/A		1	SW846 1311	10-Sep-07	10-Sep-07	7090485	BD
TCLP Semivolatiles by SW846 1311/8270C (TCL)											
Prepared by method SW846 3535											
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	5.00	1	SW846 1311/8270C	11-Sep-07	13-Sep-07	7090533	M.B
121-14-2	2,4-Dinitrotoluene	BRL	U	µg/l	5.00	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	5.00	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	5.00	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL	U	µg/l	5.00	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.00	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	10.0	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	5.00	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	5.00	1	"	"	"	"	"
110-86-1	Pyridine	BRL	U	µg/l	5.00	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.00	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL	U	µg/l	5.00	1	"	"	"	"	"
Surrogate recoveries:											
321-60-8	*2-Fluorobiphenyl*	*65*		*30-130 %*			"	"	"	"	"
367-12-4	*2-Fluorophenol*	*57*		*15-110 %*			"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*60*		*30-130 %*			"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*60*		*30-130 %*			"	"	"	"	"
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
	TCLP Extraction	Completed		N/A		1	SW846 1311	10-Sep-07	10-Sep-07	7090482	BD
7440-22-4	Silver	BRL	U	mg/l	0.0100	1	SW846 1311/6010B	11-Sep-07	11-Sep-07	7090568	SA
7440-38-2	Arsenic	BRL	U	mg/l	0.0080	1	"	"	"	"	"
7440-39-3	Barium	0.439		mg/l	0.0100	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 21b-WC1 SA67825-03	5162901	Soil	07-Sep-07 15:42	08-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
TCLP Metals by EPA 1311 & 6000/7000 Series Methods											
7440-43-9	Cadmium	0.0027	J	mg/l	0.0050	1	SW846 1311/6010B	11-Sep-07	11-Sep-07	7090568	SA
7440-47-3	Chromium	0.0166	J	mg/l	0.0200	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/l	0.00020	1	SW846 1311/7470A	"	12-Sep-07	7090570	LR
7439-92-1	Lead	0.0650		mg/l	0.0150	1	SW846 1311/6010B	"	11-Sep-07	7090568	SA
7782-49-2	Selenium	BRL	U	mg/l	0.0300	1	"	"	"	"	"
Toxicity Characteristics											
	Ignitability by Definition	Negative		N/A		1	SW846 1030	12-Sep-07	12-Sep-07	7090680	RLA
	pH	9.81	pHHT	pH Units		1	SW846 9045C	10-Sep-07 17:30	10-Sep-07	7090494	DG
Reactivity Cyanide/Sulfide											
Prepared by method General Preparation											
	Reactivity	Negative		mg/kg dry		1	SW846 Ch. 7.3	13-Sep-07	13-Sep-07	7090770	DN
	Reactive Cyanide	BRL	U	mg/kg dry	25.0	1	"	"	"	"	"
	Reactive Sulfide	14.0	J	mg/kg dry	50.0	1	"	"	"	"	"
General Chemistry Parameters											
	% Solids	85.5		%		1	SM2540 G Mod.	12-Sep-07	12-Sep-07	7090632	DG

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090752 - SW846 5030 Water MS										
Blank (7090752-BLK1)										
Prepared & Analyzed: 13-Sep-07										
Benzene	BRL	U	µg/l	1.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroform	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
Surrogate: 4-Bromofluorobenzene	*48.7*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*49.6*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.2*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*49.0*		µg/l		*50.0*		*98*	*70-130*		
LCS (7090752-BS1)										
Prepared & Analyzed: 13-Sep-07										
Benzene	20.3		µg/l		20.0		102	70-130		
2-Butanone (MEK)	18.0		µg/l		20.0		90	70-130		
Carbon tetrachloride	20.0		µg/l		20.0		100	70-130		
Chlorobenzene	20.6		µg/l		20.0		103	70-130		
Chloroform	19.7		µg/l		20.0		99	70-130		
1,2-Dichloroethane	19.6		µg/l		20.0		98	70-130		
1,1-Dichloroethene	24.8		µg/l		20.0		124	70-130		
Tetrachloroethene	19.7		µg/l		20.0		99	70-130		
Trichloroethene	19.1		µg/l		20.0		95	70-130		
Vinyl chloride	27.5	QC1	µg/l		20.0		138	70-130		
Surrogate: 4-Bromofluorobenzene	*50.6*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*49.9*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.3*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*48.9*		µg/l		*50.0*		*98*	*70-130*		
LCS Dup (7090752-BSD1)										
Prepared & Analyzed: 13-Sep-07										
Benzene	18.8		µg/l		20.0		94	70-130	8	30
2-Butanone (MEK)	17.6		µg/l		20.0		88	70-130	2	30
Carbon tetrachloride	18.5		µg/l		20.0		93	70-130	8	30
Chlorobenzene	20.1		µg/l		20.0		101	70-130	2	30
Chloroform	18.5		µg/l		20.0		92	70-130	6	30
1,2-Dichloroethane	18.6		µg/l		20.0		93	70-130	5	30
1,1-Dichloroethene	22.5		µg/l		20.0		113	70-130	10	30
Tetrachloroethene	19.1		µg/l		20.0		96	70-130	3	30
Trichloroethene	18.3		µg/l		20.0		91	70-130	4	30
Vinyl chloride	23.6		µg/l		20.0		118	70-130	15	30
Surrogate: 4-Bromofluorobenzene	*50.3*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*49.8*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.5*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*48.8*		µg/l		*50.0*		*98*	*70-130*		
Matrix Spike (7090752-MS1) **Source: SA68025-02**										
Prepared & Analyzed: 13-Sep-07										
Benzene	21.0		µg/l		20.0	BRL	105	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090752 - SW846 5030 Water MS										
Matrix Spike (7090752-MS1) **Source: SA68025-02**										
Prepared & Analyzed: 13-Sep-07										
Chlorobenzene	21.5		µg/l		20.0	BRL	107	70-130		
1,1-Dichloroethene	29.8	QM7	µg/l		20.0	BRL	149	70-130		
Toluene	20.6		µg/l		20.0	BRL	103	70-130		
Trichloroethene	22.3		µg/l		20.0	BRL	112	70-130		
Surrogate: 4-Bromofluorobenzene	*48.4*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*49.4*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.6*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*48.5*		µg/l		*50.0*		*97*	*70-130*		
Matrix Spike Dup (7090752-MSD1) **Source: SA68025-02**										
Prepared & Analyzed: 13-Sep-07										
Benzene	20.9		µg/l		20.0	BRL	104	70-130	0.2	30
Chlorobenzene	21.6		µg/l		20.0	BRL	108	70-130	0.8	30
1,1-Dichloroethene	29.5	QM7	µg/l		20.0	BRL	147	70-130	1	30
Toluene	20.3		µg/l		20.0	BRL	102	70-130	1	30
Trichloroethene	22.0		µg/l		20.0	BRL	110	70-130	1	30
Surrogate: 4-Bromofluorobenzene	*47.4*		µg/l		*50.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*49.1*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.7*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*48.7*		µg/l		*50.0*		*97*	*70-130*		
Batch 7090787 - SW846 5030 Soil (high level)										
Blank (7090787-BLK1)										
Prepared & Analyzed: 13-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/kg wet	1.0						
Acetone	BRL	U	µg/kg wet	10.0						
Acrylonitrile	BRL	U	µg/kg wet	1.0						
Benzene	BRL	U	µg/kg wet	1.0						
Bromobenzene	BRL	U	µg/kg wet	1.0						
Bromochloromethane	BRL	U	µg/kg wet	1.0						
Bromodichloromethane	BRL	U	µg/kg wet	1.0						
Bromoform	BRL	U	µg/kg wet	1.0						
Bromomethane	BRL	U	µg/kg wet	2.0						
2-Butanone (MEK)	BRL	U	µg/kg wet	10.0						
n-Butylbenzene	BRL	U	µg/kg wet	1.0						
sec-Butylbenzene	BRL	U	µg/kg wet	1.0						
tert-Butylbenzene	BRL	U	µg/kg wet	1.0						
Carbon disulfide	BRL	U	µg/kg wet	5.0						
Carbon tetrachloride	BRL	U	µg/kg wet	1.0						
Chlorobenzene	BRL	U	µg/kg wet	1.0						
Chloroethane	BRL	U	µg/kg wet	2.0						
Chloroform	BRL	U	µg/kg wet	1.0						
Chloromethane	BRL	U	µg/kg wet	2.0						
2-Chlorotoluene	BRL	U	µg/kg wet	1.0						
4-Chlorotoluene	BRL	U	µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/kg wet	2.0						
Dibromochloromethane	BRL	U	µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/kg wet	1.0						
Dibromomethane	BRL	U	µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090787 - SW846 5030 Soil (high level)										
Blank (7090787-BLK1)										
Prepared & Analyzed: 13-Sep-07										
Dichlorodifluoromethane (Freon12)	BRL	U	µg/kg wet	2.0						
1,1-Dichloroethane	BRL	U	µg/kg wet	1.0						
1,2-Dichloroethane	BRL	U	µg/kg wet	1.0						
1,1-Dichloroethene	BRL	U	µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/kg wet	1.0						
1,2-Dichloropropane	BRL	U	µg/kg wet	1.0						
1,3-Dichloropropane	BRL	U	µg/kg wet	1.0						
2,2-Dichloropropane	BRL	U	µg/kg wet	1.0						
1,1-Dichloropropene	BRL	U	µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL	U	µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL	U	µg/kg wet	1.0						
Ethylbenzene	BRL	U	µg/kg wet	1.0						
Hexachlorobutadiene	BRL	U	µg/kg wet	1.0						
2-Hexanone (MBK)	BRL	U	µg/kg wet	10.0						
Isopropylbenzene	BRL	U	µg/kg wet	1.0						
4-Isopropyltoluene	BRL	U	µg/kg wet	1.0						
Methyl tert-butyl ether	BRL	U	µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg wet	10.0						
Methylene chloride	BRL	U	µg/kg wet	10.0						
Naphthalene	BRL	U	µg/kg wet	1.0						
n-Propylbenzene	BRL	U	µg/kg wet	1.0						
Styrene	BRL	U	µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/kg wet	1.0						
Tetrachloroethene	BRL	U	µg/kg wet	1.0						
Toluene	BRL	U	µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL	U	µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL	U	µg/kg wet	1.0						
Trichloroethene	BRL	U	µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL	U	µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/kg wet	1.0						
Vinyl chloride	BRL	U	µg/kg wet	1.0						
m,p-Xylene	BRL	U	µg/kg wet	2.0						
o-Xylene	BRL	U	µg/kg wet	1.0						
Tetrahydrofuran	BRL	U	µg/kg wet	10.0						
Ethyl ether	BRL	U	µg/kg wet	1.0						
Tert-amyl methyl ether	BRL	U	µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL	U	µg/kg wet	1.0						
Di-isopropyl ether	BRL	U	µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/kg wet	10.0						
1,4-Dioxane	BRL	U	µg/kg wet	20.0						
Surrogate: 4-Bromofluorobenzene	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.6*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*28.7*		µg/kg wet		*30.0*		*96*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090787 - SW846 5030 Soil (high level)										
LCS (7090787-BS1)										
Prepared & Analyzed: 13-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.1		µg/kg wet		20.0		111	70-130		
Acetone	19.2		µg/kg wet		20.0		96	0-177		
Acrylonitrile	22.7		µg/kg wet		20.0		114	70-130		
Benzene	20.0		µg/kg wet		20.0		100	70-130		
Bromobenzene	22.0		µg/kg wet		20.0		110	70-130		
Bromochloromethane	22.1		µg/kg wet		20.0		110	70-130		
Bromodichloromethane	18.9		µg/kg wet		20.0		95	70-130		
Bromoform	18.1		µg/kg wet		20.0		91	70-130		
Bromomethane	19.2		µg/kg wet		20.0		96	61.3-136		
2-Butanone (MEK)	17.6		µg/kg wet		20.0		88	20.6-137		
n-Butylbenzene	18.1		µg/kg wet		20.0		90	70-130		
sec-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130		
tert-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130		
Carbon disulfide	18.0		µg/kg wet		20.0		90	70-130		
Carbon tetrachloride	17.7		µg/kg wet		20.0		88	70-130		
Chlorobenzene	21.1		µg/kg wet		20.0		105	70-130		
Chloroethane	17.7		µg/kg wet		20.0		89	64.6-134		
Chloroform	20.5		µg/kg wet		20.0		103	70-130		
Chloromethane	17.2		µg/kg wet		20.0		86	70-130		
2-Chlorotoluene	21.6		µg/kg wet		20.0		108	70-130		
4-Chlorotoluene	21.2		µg/kg wet		20.0		106	70-130		
1,2-Dibromo-3-chloropropane	16.1		µg/kg wet		20.0		81	70-130		
Dibromochloromethane	17.8		µg/kg wet		20.0		89	70-137		
1,2-Dibromoethane (EDB)	21.4		µg/kg wet		20.0		107	70-130		
Dibromomethane	22.2		µg/kg wet		20.0		111	70-130		
1,2-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130		
1,3-Dichlorobenzene	21.6		µg/kg wet		20.0		108	70-130		
1,4-Dichlorobenzene	19.9		µg/kg wet		20.0		99	70-130		
Dichlorodifluoromethane (Freon12)	15.7		µg/kg wet		20.0		79	29.9-190		
1,1-Dichloroethane	19.7		µg/kg wet		20.0		98	70-130		
1,2-Dichloroethane	20.2		µg/kg wet		20.0		101	70-130		
1,1-Dichloroethene	19.1		µg/kg wet		20.0		96	70-130		
cis-1,2-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130		
trans-1,2-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130		
1,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130		
1,3-Dichloropropane	21.7		µg/kg wet		20.0		108	70-130		
2,2-Dichloropropane	21.4		µg/kg wet		20.0		107	70-130		
1,1-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130		
cis-1,3-Dichloropropene	19.8		µg/kg wet		20.0		99	70-130		
trans-1,3-Dichloropropene	20.0		µg/kg wet		20.0		100	70-130		
Ethylbenzene	20.8		µg/kg wet		20.0		104	70-130		
Hexachlorobutadiene	17.4		µg/kg wet		20.0		87	60.6-135		
2-Hexanone (MBK)	17.6		µg/kg wet		20.0		88	70-130		
Isopropylbenzene	20.0		µg/kg wet		20.0		100	70-130		
4-Isopropyltoluene	20.4		µg/kg wet		20.0		102	70-130		
Methyl tert-butyl ether	21.0		µg/kg wet		20.0		105	70-130		
4-Methyl-2-pentanone (MIBK)	20.2		µg/kg wet		20.0		101	46-139		
Methylene chloride	19.8		µg/kg wet		20.0		99	70-130		
Naphthalene	15.2		µg/kg wet		20.0		76	70-130		
n-Propylbenzene	20.2		µg/kg wet		20.0		101	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090787 - SW846 5030 Soil (high level)										
LCS (7090787-BS1)										
Prepared & Analyzed: 13-Sep-07										
Styrene	21.7		µg/kg wet		20.0		108	70-130		
1,1,1,2-Tetrachloroethane	19.0		µg/kg wet		20.0		95	70-130		
1,1,2,2-Tetrachloroethane	21.6		µg/kg wet		20.0		108	70-130		
Tetrachloroethene	20.8		µg/kg wet		20.0		104	70-130		
Toluene	19.9		µg/kg wet		20.0		99	70-130		
1,2,3-Trichlorobenzene	14.3		µg/kg wet		20.0		71	70-130		
1,2,4-Trichlorobenzene	14.8		µg/kg wet		20.0		74	70-130		
1,1,1-Trichloroethane	18.8		µg/kg wet		20.0		94	70-130		
1,1,2-Trichloroethane	21.4		µg/kg wet		20.0		107	70-130		
Trichloroethene	18.9		µg/kg wet		20.0		94	70-130		
Trichlorofluoromethane (Freon 11)	18.1		µg/kg wet		20.0		91	56.6-150		
1,2,3-Trichloropropane	24.0		µg/kg wet		20.0		120	70-130		
1,2,4-Trimethylbenzene	22.5		µg/kg wet		20.0		112	70-130		
1,3,5-Trimethylbenzene	21.5		µg/kg wet		20.0		107	70-130		
Vinyl chloride	20.0		µg/kg wet		20.0		100	70-130		
m,p-Xylene	42.0		µg/kg wet		40.0		105	70-130		
o-Xylene	21.7		µg/kg wet		20.0		108	70-130		
Tetrahydrofuran	19.4		µg/kg wet		20.0		97	70-130		
Ethyl ether	22.0		µg/kg wet		20.0		110	64.1-136		
Tert-amyl methyl ether	20.3		µg/kg wet		20.0		101	70-130		
Ethyl tert-butyl ether	21.3		µg/kg wet		20.0		106	70-130		
Di-isopropyl ether	19.0		µg/kg wet		20.0		95	70-130		
Tert-Butanol / butyl alcohol	265	QC1	µg/kg wet		200		133	70-130		
1,4-Dioxane	191		µg/kg wet		200		95	34.8-156		
Surrogate: 4-Bromofluorobenzene	*31.9*		µg/kg wet		*30.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.2*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		
LCS Dup (7090787-BSD1)										
Prepared & Analyzed: 13-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.2		µg/kg wet		20.0		101	70-130	9	25
Acetone	21.0		µg/kg wet		20.0		105	0-177	9	50
Acrylonitrile	20.7		µg/kg wet		20.0		104	70-130	9	25
Benzene	18.9		µg/kg wet		20.0		95	70-130	5	25
Bromobenzene	21.2		µg/kg wet		20.0		106	70-130	4	25
Bromochloromethane	21.2		µg/kg wet		20.0		106	70-130	4	25
Bromodichloromethane	18.1		µg/kg wet		20.0		90	70-130	5	25
Bromoform	17.7		µg/kg wet		20.0		88	70-130	2	25
Bromomethane	18.1		µg/kg wet		20.0		90	61.3-136	6	50
2-Butanone (MEK)	17.4		µg/kg wet		20.0		87	20.6-137	1	50
n-Butylbenzene	17.9		µg/kg wet		20.0		90	70-130	0.8	25
sec-Butylbenzene	20.2		µg/kg wet		20.0		101	70-130	0.9	25
tert-Butylbenzene	20.7		µg/kg wet		20.0		103	70-130	3	25
Carbon disulfide	16.9		µg/kg wet		20.0		85	70-130	6	25
Carbon tetrachloride	16.4		µg/kg wet		20.0		82	70-130	7	25
Chlorobenzene	20.2		µg/kg wet		20.0		101	70-130	4	25
Chloroethane	17.3		µg/kg wet		20.0		86	64.6-134	3	50
Chloroform	19.1		µg/kg wet		20.0		96	70-130	7	25
Chloromethane	16.7		µg/kg wet		20.0		83	70-130	3	25
2-Chlorotoluene	20.3		µg/kg wet		20.0		102	70-130	6	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090787 - SW846 5030 Soil (high level)										
LCS Dup (7090787-BSD1)										
Prepared & Analyzed: 13-Sep-07										
4-Chlorotoluene	20.4		µg/kg wet		20.0		102	70-130	4	25
1,2-Dibromo-3-chloropropane	16.0		µg/kg wet		20.0		80	70-130	0.9	25
Dibromochloromethane	17.3		µg/kg wet		20.0		87	70-137	3	50
1,2-Dibromoethane (EDB)	20.5		µg/kg wet		20.0		102	70-130	4	25
Dibromomethane	20.4		µg/kg wet		20.0		102	70-130	8	25
1,2-Dichlorobenzene	20.1		µg/kg wet		20.0		100	70-130	3	25
1,3-Dichlorobenzene	21.4		µg/kg wet		20.0		107	70-130	1	25
1,4-Dichlorobenzene	19.2		µg/kg wet		20.0		96	70-130	3	25
Dichlorodifluoromethane (Freon12)	14.9		µg/kg wet		20.0		75	29.9-190	5	50
1,1-Dichloroethane	18.8		µg/kg wet		20.0		94	70-130	5	25
1,2-Dichloroethane	19.3		µg/kg wet		20.0		97	70-130	5	25
1,1-Dichloroethene	18.3		µg/kg wet		20.0		92	70-130	4	25
cis-1,2-Dichloroethene	19.6		µg/kg wet		20.0		98	70-130	4	25
trans-1,2-Dichloroethene	18.2		µg/kg wet		20.0		91	70-130	6	25
1,2-Dichloropropane	19.0		µg/kg wet		20.0		95	70-130	5	25
1,3-Dichloropropane	20.7		µg/kg wet		20.0		104	70-130	5	25
2,2-Dichloropropane	20.1		µg/kg wet		20.0		100	70-130	7	25
1,1-Dichloropropene	17.8		µg/kg wet		20.0		89	70-130	8	25
cis-1,3-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130	4	25
trans-1,3-Dichloropropene	19.3		µg/kg wet		20.0		97	70-130	3	25
Ethylbenzene	20.0		µg/kg wet		20.0		100	70-130	4	25
Hexachlorobutadiene	18.3		µg/kg wet		20.0		92	60.6-135	5	50
2-Hexanone (MBK)	16.9		µg/kg wet		20.0		84	70-130	5	25
Isopropylbenzene	19.1		µg/kg wet		20.0		95	70-130	5	25
4-Isopropyltoluene	20.2		µg/kg wet		20.0		101	70-130	1	25
Methyl tert-butyl ether	19.7		µg/kg wet		20.0		98	70-130	6	25
4-Methyl-2-pentanone (MIBK)	19.0		µg/kg wet		20.0		95	46-139	6	50
Methylene chloride	19.0		µg/kg wet		20.0		95	70-130	4	25
Naphthalene	15.6		µg/kg wet		20.0		78	70-130	2	25
n-Propylbenzene	19.5		µg/kg wet		20.0		98	70-130	4	25
Styrene	20.9		µg/kg wet		20.0		105	70-130	4	25
1,1,1,2-Tetrachloroethane	18.2		µg/kg wet		20.0		91	70-130	4	25
1,1,2,2-Tetrachloroethane	20.8		µg/kg wet		20.0		104	70-130	4	25
Tetrachloroethene	18.8		µg/kg wet		20.0		94	70-130	10	25
Toluene	19.1		µg/kg wet		20.0		95	70-130	4	25
1,2,3-Trichlorobenzene	16.7		µg/kg wet		20.0		83	70-130	15	25
1,2,4-Trichlorobenzene	17.2		µg/kg wet		20.0		86	70-130	15	25
1,1,1-Trichloroethane	17.9		µg/kg wet		20.0		90	70-130	5	25
1,1,2-Trichloroethane	20.6		µg/kg wet		20.0		103	70-130	4	25
Trichloroethene	18.4		µg/kg wet		20.0		92	70-130	3	25
Trichlorofluoromethane (Freon 11)	16.9		µg/kg wet		20.0		85	56.6-150	7	50
1,2,3-Trichloropropane	23.8		µg/kg wet		20.0		119	70-130	0.7	25
1,2,4-Trimethylbenzene	21.6		µg/kg wet		20.0		108	70-130	4	25
1,3,5-Trimethylbenzene	20.8		µg/kg wet		20.0		104	70-130	3	25
Vinyl chloride	18.6		µg/kg wet		20.0		93	70-130	7	25
m,p-Xylene	40.3		µg/kg wet		40.0		101	70-130	4	25
o-Xylene	20.8		µg/kg wet		20.0		104	70-130	4	25
Tetrahydrofuran	19.0		µg/kg wet		20.0		95	70-130	2	25
Ethyl ether	19.7		µg/kg wet		20.0		99	64.1-136	11	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090787 - SW846 5030 Soil (high level)										
LCS Dup (7090787-BSD1)										
Prepared & Analyzed: 13-Sep-07										
Tert-amyl methyl ether	18.4		µg/kg wet		20.0		92	70-130	10	25
Ethyl tert-butyl ether	20.3		µg/kg wet		20.0		102	70-130	5	25
Di-isopropyl ether	18.4		µg/kg wet		20.0		92	70-130	3	25
Tert-Butanol / butyl alcohol	252		µg/kg wet		200		126	70-130	5	25
1,4-Dioxane	191		µg/kg wet		200		95	34.8-156	0.005	25
Surrogate: 4-Bromofluorobenzene	*31.5*		µg/kg wet		*30.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*30.3*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.3*		µg/kg wet		*30.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*29.5*		µg/kg wet		*30.0*		*98*	*70-130*		
Matrix Spike (7090787-MS1) **Source: SA67825-01**										
Prepared: 13-Sep-07 Analyzed: 14-Sep-07										
Benzene	21.2		µg/kg dry		20.0	BRL	106	70-130		
Chlorobenzene	23.2		µg/kg dry		20.0	BRL	116	70-130		
1,1-Dichloroethene	19.8		µg/kg dry		20.0	BRL	99	70-130		
Toluene	21.1		µg/kg dry		20.0	BRL	106	70-130		
Trichloroethene	19.8		µg/kg dry		20.0	BRL	99	70-130		
Surrogate: 4-Bromofluorobenzene	*32.1*		µg/kg dry		*30.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*29.9*		µg/kg dry		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.1*		µg/kg dry		*30.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*28.5*		µg/kg dry		*30.0*		*95*	*70-130*		
Matrix Spike Dup (7090787-MSD1) **Source: SA67825-01**										
Prepared: 13-Sep-07 Analyzed: 14-Sep-07										
Benzene	21.5		µg/kg dry		20.0	BRL	107	70-130	1	30
Chlorobenzene	23.7		µg/kg dry		20.0	BRL	118	70-130	2	30
1,1-Dichloroethene	19.3		µg/kg dry		20.0	BRL	96	70-130	2	30
Toluene	22.3		µg/kg dry		20.0	BRL	112	70-130	6	30
Trichloroethene	20.2		µg/kg dry		20.0	BRL	101	70-130	2	30
Surrogate: 4-Bromofluorobenzene	*32.4*		µg/kg dry		*30.0*		*108*	*70-130*		
Surrogate: Toluene-d8	*30.4*		µg/kg dry		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.1*		µg/kg dry		*30.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*29.4*		µg/kg dry		*30.0*		*98*	*70-130*		
Batch 7090868 - SW846 5030 Soil (high level)										
Blank (7090868-BLK1)										
Prepared & Analyzed: 14-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/kg wet	1.0						
Acetone	BRL	U	µg/kg wet	10.0						
Acrylonitrile	BRL	U	µg/kg wet	1.0						
Benzene	BRL	U	µg/kg wet	1.0						
Bromobenzene	BRL	U	µg/kg wet	1.0						
Bromochloromethane	BRL	U	µg/kg wet	1.0						
Bromodichloromethane	BRL	U	µg/kg wet	1.0						
Bromoform	BRL	U	µg/kg wet	1.0						
Bromomethane	BRL	U	µg/kg wet	2.0						
2-Butanone (MEK)	BRL	U	µg/kg wet	10.0						
n-Butylbenzene	BRL	U	µg/kg wet	1.0						
sec-Butylbenzene	BRL	U	µg/kg wet	1.0						
tert-Butylbenzene	BRL	U	µg/kg wet	1.0						
Carbon disulfide	BRL	U	µg/kg wet	5.0						
Carbon tetrachloride	BRL	U	µg/kg wet	1.0						
Chlorobenzene	BRL	U	µg/kg wet	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090868 - SW846 5030 Soil (high level)										
Blank (7090868-BLK1)										
Prepared & Analyzed: 14-Sep-07										
Chloroethane	BRL	U	µg/kg wet	2.0						
Chloroform	BRL	U	µg/kg wet	1.0						
Chloromethane	BRL	U	µg/kg wet	2.0						
2-Chlorotoluene	BRL	U	µg/kg wet	1.0						
4-Chlorotoluene	BRL	U	µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/kg wet	2.0						
Dibromochloromethane	BRL	U	µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/kg wet	1.0						
Dibromomethane	BRL	U	µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/kg wet	2.0						
1,1-Dichloroethane	BRL	U	µg/kg wet	1.0						
1,2-Dichloroethane	BRL	U	µg/kg wet	1.0						
1,1-Dichloroethene	BRL	U	µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/kg wet	1.0						
1,2-Dichloropropane	BRL	U	µg/kg wet	1.0						
1,3-Dichloropropane	BRL	U	µg/kg wet	1.0						
2,2-Dichloropropane	BRL	U	µg/kg wet	1.0						
1,1-Dichloropropene	BRL	U	µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL	U	µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL	U	µg/kg wet	1.0						
Ethylbenzene	BRL	U	µg/kg wet	1.0						
Hexachlorobutadiene	BRL	U	µg/kg wet	1.0						
2-Hexanone (MBK)	BRL	U	µg/kg wet	10.0						
Isopropylbenzene	BRL	U	µg/kg wet	1.0						
4-Isopropyltoluene	BRL	U	µg/kg wet	1.0						
Methyl tert-butyl ether	BRL	U	µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg wet	10.0						
Methylene chloride	BRL	U	µg/kg wet	10.0						
Naphthalene	BRL	U	µg/kg wet	1.0						
n-Propylbenzene	BRL	U	µg/kg wet	1.0						
Styrene	BRL	U	µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/kg wet	1.0						
Tetrachloroethene	BRL	U	µg/kg wet	1.0						
Toluene	BRL	U	µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL	U	µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL	U	µg/kg wet	1.0						
Trichloroethene	BRL	U	µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL	U	µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/kg wet	1.0						
Vinyl chloride	BRL	U	µg/kg wet	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090868 - SW846 5030 Soil (high level)										
Blank (7090868-BLK1)										
Prepared & Analyzed: 14-Sep-07										
m,p-Xylene	BRL	U	µg/kg wet	2.0						
o-Xylene	BRL	U	µg/kg wet	1.0						
Tetrahydrofuran	BRL	U	µg/kg wet	10.0						
Ethyl ether	BRL	U	µg/kg wet	1.0						
Tert-amyl methyl ether	BRL	U	µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL	U	µg/kg wet	1.0						
Di-isopropyl ether	BRL	U	µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/kg wet	10.0						
1,4-Dioxane	BRL	U	µg/kg wet	20.0						
Surrogate: 4-Bromofluorobenzene	*30.6*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*30.0*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.9*		µg/kg wet		*30.0*		*93*	*70-130*		
Surrogate: Dibromofluoromethane	*27.9*		µg/kg wet		*30.0*		*93*	*70-130*		
LCS (7090868-BS1)										
Prepared & Analyzed: 14-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.4		µg/kg wet		20.0		122	70-130		
Acetone	17.4		µg/kg wet		20.0		87	0-177		
Acrylonitrile	20.3		µg/kg wet		20.0		101	70-130		
Benzene	21.3		µg/kg wet		20.0		106	70-130		
Bromobenzene	22.3		µg/kg wet		20.0		111	70-130		
Bromochloromethane	22.2		µg/kg wet		20.0		111	70-130		
Bromodichloromethane	18.9		µg/kg wet		20.0		94	70-130		
Bromoform	17.9		µg/kg wet		20.0		89	70-130		
Bromomethane	18.7		µg/kg wet		20.0		94	61.3-136		
2-Butanone (MEK)	16.0		µg/kg wet		20.0		80	20.6-137		
n-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130		
sec-Butylbenzene	22.9		µg/kg wet		20.0		115	70-130		
tert-Butylbenzene	22.8		µg/kg wet		20.0		114	70-130		
Carbon disulfide	20.7		µg/kg wet		20.0		103	70-130		
Carbon tetrachloride	18.3		µg/kg wet		20.0		92	70-130		
Chlorobenzene	22.2		µg/kg wet		20.0		111	70-130		
Chloroethane	20.7		µg/kg wet		20.0		104	64.6-134		
Chloroform	20.6		µg/kg wet		20.0		103	70-130		
Chloromethane	18.6		µg/kg wet		20.0		93	70-130		
2-Chlorotoluene	22.1		µg/kg wet		20.0		110	70-130		
4-Chlorotoluene	21.8		µg/kg wet		20.0		109	70-130		
1,2-Dibromo-3-chloropropane	16.0		µg/kg wet		20.0		80	70-130		
Dibromochloromethane	17.2		µg/kg wet		20.0		86	70-137		
1,2-Dibromoethane (EDB)	20.1		µg/kg wet		20.0		101	70-130		
Dibromomethane	20.9		µg/kg wet		20.0		104	70-130		
1,2-Dichlorobenzene	21.7		µg/kg wet		20.0		109	70-130		
1,3-Dichlorobenzene	22.6		µg/kg wet		20.0		113	70-130		
1,4-Dichlorobenzene	21.3		µg/kg wet		20.0		106	70-130		
Dichlorodifluoromethane (Freon12)	18.1		µg/kg wet		20.0		91	29.9-190		
1,1-Dichloroethane	21.0		µg/kg wet		20.0		105	70-130		
1,2-Dichloroethane	18.8		µg/kg wet		20.0		94	70-130		
1,1-Dichloroethene	21.9		µg/kg wet		20.0		109	70-130		
cis-1,2-Dichloroethene	21.7		µg/kg wet		20.0		109	70-130		
trans-1,2-Dichloroethene	21.3		µg/kg wet		20.0		107	70-130		
1,2-Dichloropropane	20.6		µg/kg wet		20.0		103	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090868 - SW846 5030 Soil (high level)										
LCS (7090868-BS1)										
Prepared & Analyzed: 14-Sep-07										
1,3-Dichloropropane	20.4		µg/kg wet		20.0		102	70-130		
2,2-Dichloropropane	23.0		µg/kg wet		20.0		115	70-130		
1,1-Dichloropropene	20.4		µg/kg wet		20.0		102	70-130		
cis-1,3-Dichloropropene	20.3		µg/kg wet		20.0		102	70-130		
trans-1,3-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130		
Ethylbenzene	22.1		µg/kg wet		20.0		111	70-130		
Hexachlorobutadiene	21.8		µg/kg wet		20.0		109	60.6-135		
2-Hexanone (MBK)	15.9		µg/kg wet		20.0		80	70-130		
Isopropylbenzene	21.1		µg/kg wet		20.0		106	70-130		
4-Isopropyltoluene	23.2		µg/kg wet		20.0		116	70-130		
Methyl tert-butyl ether	20.1		µg/kg wet		20.0		101	70-130		
4-Methyl-2-pentanone (MIBK)	18.4		µg/kg wet		20.0		92	46-139		
Methylene chloride	21.1		µg/kg wet		20.0		106	70-130		
Naphthalene	17.3		µg/kg wet		20.0		86	70-130		
n-Propylbenzene	21.7		µg/kg wet		20.0		108	70-130		
Styrene	22.8		µg/kg wet		20.0		114	70-130		
1,1,1,2-Tetrachloroethane	20.1		µg/kg wet		20.0		101	70-130		
1,1,2,2-Tetrachloroethane	20.9		µg/kg wet		20.0		104	70-130		
Tetrachloroethene	21.3		µg/kg wet		20.0		107	70-130		
Toluene	20.8		µg/kg wet		20.0		104	70-130		
1,2,3-Trichlorobenzene	19.8		µg/kg wet		20.0		99	70-130		
1,2,4-Trichlorobenzene	19.6		µg/kg wet		20.0		98	70-130		
1,1,1-Trichloroethane	19.9		µg/kg wet		20.0		100	70-130		
1,1,2-Trichloroethane	21.1		µg/kg wet		20.0		105	70-130		
Trichloroethene	19.9		µg/kg wet		20.0		100	70-130		
Trichlorofluoromethane (Freon 11)	19.1		µg/kg wet		20.0		95	56.6-150		
1,2,3-Trichloropropane	22.9		µg/kg wet		20.0		114	70-130		
1,2,4-Trimethylbenzene	23.3		µg/kg wet		20.0		116	70-130		
1,3,5-Trimethylbenzene	22.6		µg/kg wet		20.0		113	70-130		
Vinyl chloride	20.4		µg/kg wet		20.0		102	70-130		
m,p-Xylene	45.0		µg/kg wet		40.0		112	70-130		
o-Xylene	22.8		µg/kg wet		20.0		114	70-130		
Tetrahydrofuran	17.8		µg/kg wet		20.0		89	70-130		
Ethyl ether	21.7		µg/kg wet		20.0		108	64.1-136		
Tert-amyl methyl ether	18.4		µg/kg wet		20.0		92	70-130		
Ethyl tert-butyl ether	20.9		µg/kg wet		20.0		104	70-130		
Di-isopropyl ether	19.4		µg/kg wet		20.0		97	70-130		
Tert-Butanol / butyl alcohol	232		µg/kg wet		200		116	70-130		
1,4-Dioxane	186		µg/kg wet		200		93	34.8-156		
Surrogate: 4-Bromofluorobenzene	*30.5*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.3*		µg/kg wet		*30.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*28.7*		µg/kg wet		*30.0*		*96*	*70-130*		
LCS Dup (7090868-BSD1)										
Prepared & Analyzed: 14-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.2		µg/kg wet		20.0		106	70-130	14	25
Acetone	16.7		µg/kg wet		20.0		83	0-177	4	50
Acrylonitrile	21.3		µg/kg wet		20.0		107	70-130	5	25
Benzene	20.2		µg/kg wet		20.0		101	70-130	5	25
Bromobenzene	22.2		µg/kg wet		20.0		111	70-130	0.2	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090868 - SW846 5030 Soil (high level)										
LCS Dup (7090868-BSD1)										
Prepared & Analyzed: 14-Sep-07										
Bromochloromethane	21.5		µg/kg wet		20.0		107	70-130	3	25
Bromodichloromethane	18.8		µg/kg wet		20.0		94	70-130	0.6	25
Bromoform	18.5		µg/kg wet		20.0		92	70-130	3	25
Bromomethane	19.4		µg/kg wet		20.0		97	61.3-136	3	50
2-Butanone (MEK)	15.7		µg/kg wet		20.0		78	20.6-137	2	50
n-Butylbenzene	19.4		µg/kg wet		20.0		97	70-130	6	25
sec-Butylbenzene	21.8		µg/kg wet		20.0		109	70-130	5	25
tert-Butylbenzene	21.8		µg/kg wet		20.0		109	70-130	4	25
Carbon disulfide	18.4		µg/kg wet		20.0		92	70-130	11	25
Carbon tetrachloride	17.0		µg/kg wet		20.0		85	70-130	8	25
Chlorobenzene	21.5		µg/kg wet		20.0		107	70-130	3	25
Chloroethane	18.5		µg/kg wet		20.0		93	64.6-134	11	50
Chloroform	19.6		µg/kg wet		20.0		98	70-130	5	25
Chloromethane	17.8		µg/kg wet		20.0		89	70-130	4	25
2-Chlorotoluene	21.6		µg/kg wet		20.0		108	70-130	2	25
4-Chlorotoluene	21.6		µg/kg wet		20.0		108	70-130	0.9	25
1,2-Dibromo-3-chloropropane	17.1		µg/kg wet		20.0		85	70-130	6	25
Dibromochloromethane	17.9		µg/kg wet		20.0		90	70-137	4	50
1,2-Dibromoethane (EDB)	20.7		µg/kg wet		20.0		104	70-130	3	25
Dibromomethane	21.0		µg/kg wet		20.0		105	70-130	0.7	25
1,2-Dichlorobenzene	21.4		µg/kg wet		20.0		107	70-130	2	25
1,3-Dichlorobenzene	22.4		µg/kg wet		20.0		112	70-130	1	25
1,4-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	3	25
Dichlorodifluoromethane (Freon12)	15.7		µg/kg wet		20.0		79	29.9-190	14	50
1,1-Dichloroethane	19.8		µg/kg wet		20.0		99	70-130	6	25
1,2-Dichloroethane	18.6		µg/kg wet		20.0		93	70-130	1	25
1,1-Dichloroethene	19.9		µg/kg wet		20.0		100	70-130	9	25
cis-1,2-Dichloroethene	20.7		µg/kg wet		20.0		103	70-130	5	25
trans-1,2-Dichloroethene	19.9		µg/kg wet		20.0		100	70-130	7	25
1,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	3	25
1,3-Dichloropropane	21.1		µg/kg wet		20.0		106	70-130	3	25
2,2-Dichloropropane	21.2		µg/kg wet		20.0		106	70-130	8	25
1,1-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130	7	25
cis-1,3-Dichloropropene	20.1		µg/kg wet		20.0		100	70-130	1	25
trans-1,3-Dichloropropene	20.4		µg/kg wet		20.0		102	70-130	4	25
Ethylbenzene	21.3		µg/kg wet		20.0		106	70-130	4	25
Hexachlorobutadiene	19.5		µg/kg wet		20.0		97	60.6-135	11	50
2-Hexanone (MBK)	16.8		µg/kg wet		20.0		84	70-130	5	25
Isopropylbenzene	20.3		µg/kg wet		20.0		102	70-130	4	25
4-Isopropyltoluene	21.9		µg/kg wet		20.0		110	70-130	6	25
Methyl tert-butyl ether	20.0		µg/kg wet		20.0		100	70-130	0.4	25
4-Methyl-2-pentanone (MIBK)	19.6		µg/kg wet		20.0		98	46-139	6	50
Methylene chloride	20.0		µg/kg wet		20.0		100	70-130	6	25
Naphthalene	16.5		µg/kg wet		20.0		83	70-130	4	25
n-Propylbenzene	21.1		µg/kg wet		20.0		106	70-130	3	25
Styrene	22.5		µg/kg wet		20.0		113	70-130	1	25
1,1,1,2-Tetrachloroethane	19.6		µg/kg wet		20.0		98	70-130	3	25
1,1,2,2-Tetrachloroethane	22.1		µg/kg wet		20.0		110	70-130	5	25
Tetrachloroethene	20.4		µg/kg wet		20.0		102	70-130	4	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090868 - SW846 5030 Soil (high level)										
LCS Dup (7090868-BSD1)										
Prepared & Analyzed: 14-Sep-07										
Toluene	20.3		µg/kg wet		20.0		102	70-130	2	25
1,2,3-Trichlorobenzene	18.1		µg/kg wet		20.0		91	70-130	9	25
1,2,4-Trichlorobenzene	18.7		µg/kg wet		20.0		94	70-130	5	25
1,1,1-Trichloroethane	18.2		µg/kg wet		20.0		91	70-130	9	25
1,1,2-Trichloroethane	20.7		µg/kg wet		20.0		103	70-130	2	25
Trichloroethene	18.7		µg/kg wet		20.0		94	70-130	6	25
Trichlorofluoromethane (Freon 11)	16.7		µg/kg wet		20.0		84	56.6-150	13	50
1,2,3-Trichloropropane	23.3		µg/kg wet		20.0		117	70-130	2	25
1,2,4-Trimethylbenzene	22.9		µg/kg wet		20.0		114	70-130	2	25
1,3,5-Trimethylbenzene	21.9		µg/kg wet		20.0		110	70-130	3	25
Vinyl chloride	18.6		µg/kg wet		20.0		93	70-130	9	25
m,p-Xylene	43.3		µg/kg wet		40.0		108	70-130	4	25
o-Xylene	22.1		µg/kg wet		20.0		111	70-130	3	25
Tetrahydrofuran	19.0		µg/kg wet		20.0		95	70-130	7	25
Ethyl ether	20.9		µg/kg wet		20.0		105	64.1-136	4	50
Tert-amyl methyl ether	18.7		µg/kg wet		20.0		94	70-130	2	25
Ethyl tert-butyl ether	20.7		µg/kg wet		20.0		103	70-130	1	25
Di-isopropyl ether	18.9		µg/kg wet		20.0		95	70-130	3	25
Tert-Butanol / butyl alcohol	247		µg/kg wet		200		124	70-130	6	25
1,4-Dioxane	213		µg/kg wet		200		106	34.8-156	14	25
Surrogate: 4-Bromofluorobenzene	*30.6*		µg/kg wet		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*29.9*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.5*		µg/kg wet		*30.0*		*92*	*70-130*		
Surrogate: Dibromofluoromethane	*28.7*		µg/kg wet		*30.0*		*96*	*70-130*		
Matrix Spike (7090868-MS1) **Source: SA68104-01**										
Prepared & Analyzed: 14-Sep-07										
Benzene	20.3		µg/kg dry		20.0	BRL	102	70-130		
Chlorobenzene	23.0		µg/kg dry		20.0	BRL	115	70-130		
1,1-Dichloroethene	18.8		µg/kg dry		20.0	BRL	94	70-130		
Toluene	21.1		µg/kg dry		20.0	BRL	105	70-130		
Trichloroethene	19.2		µg/kg dry		20.0	BRL	96	70-130		
Surrogate: 4-Bromofluorobenzene	*32.2*		µg/kg dry		*30.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*30.9*		µg/kg dry		*30.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.9*		µg/kg dry		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*29.4*		µg/kg dry		*30.0*		*98*	*70-130*		
Matrix Spike Dup (7090868-MSD1) **Source: SA68104-01**										
Prepared & Analyzed: 14-Sep-07										
Benzene	21.1		µg/kg dry		20.0	BRL	106	70-130	4	30
Chlorobenzene	23.7		µg/kg dry		20.0	BRL	118	70-130	3	30
1,1-Dichloroethene	19.8		µg/kg dry		20.0	BRL	99	70-130	5	30
Toluene	22.0		µg/kg dry		20.0	BRL	110	70-130	4	30
Trichloroethene	20.1		µg/kg dry		20.0	BRL	100	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*32.0*		µg/kg dry		*30.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*30.5*		µg/kg dry		*30.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.1*		µg/kg dry		*30.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*28.9*		µg/kg dry		*30.0*		*96*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090534 - SW846 3535										
Blank (7090534-BLK1)										
Prepared: 11-Sep-07 Analyzed: 12-Sep-07										
Chlordane	BRL	U	µg/l	0.050						
Endrin	BRL	U	µg/l	0.010						
Heptachlor	BRL	U	µg/l	0.010						
Heptachlor Epoxide	BRL	U	µg/l	0.010						
g-BHC (Lindane)	BRL	U	µg/l	0.010						
Methoxychlor	BRL	U	µg/l	0.010						
Toxaphene	BRL	U	µg/l	0.050						
4,4'-DDD (p,p')	BRL	U	µg/l	0.010						
4,4'-DDE (p,p')	BRL	U	µg/l	0.010						
4,4'-DDT (p,p')	BRL	U	µg/l	0.010						
Dieldrin	BRL	U	µg/l	0.010						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0139*		µg/l		*0.0200*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0182*		µg/l		*0.0200*		*91*	*30-150*		
LCS (7090534-BS1)										
Prepared: 11-Sep-07 Analyzed: 12-Sep-07										
Chlordane	BRL	U	µg/l	0.050				40-140		
Endrin	0.017		µg/l	0.010	0.0200		85	40-140		
Heptachlor	0.015		µg/l	0.010	0.0200		76	40-140		
Heptachlor Epoxide	0.015		µg/l	0.010	0.0200		75	40-140		
g-BHC (Lindane)	0.015		µg/l	0.010				40-140		
Methoxychlor	0.018		µg/l	0.010	0.0200		88	40-140		
Toxaphene	BRL	U	µg/l	0.050				40-140		
4,4'-DDD (p,p')	0.014		µg/l	0.010	0.0200		71	40-140		
4,4'-DDE (p,p')	0.015		µg/l	0.010	0.0200		74	40-140		
4,4'-DDT (p,p')	0.016		µg/l	0.010	0.0200		81	40-140		
Dieldrin	0.016		µg/l	0.010	0.0200		79	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0111*		µg/l		*0.0200*		*56*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0184*		µg/l		*0.0200*		*92*	*30-150*		
LCS Dup (7090534-BSD1)										
Prepared: 11-Sep-07 Analyzed: 12-Sep-07										
Chlordane	BRL	U	µg/l	0.050				40-140		30
Endrin	0.016		µg/l	0.010	0.0200		80	40-140	7	30
Heptachlor	0.015		µg/l	0.010	0.0200		77	40-140	2	30
Heptachlor Epoxide	0.015		µg/l	0.010	0.0200		73	40-140	3	30
g-BHC (Lindane)	0.014		µg/l	0.010				40-140		30
Methoxychlor	0.016		µg/l	0.010	0.0200		81	40-140	7	30
Toxaphene	BRL	U	µg/l	0.050				40-140		30
4,4'-DDD (p,p')	0.014		µg/l	0.010	0.0200		71	40-140	0.08	30
4,4'-DDE (p,p')	0.016		µg/l	0.010	0.0200		78	40-140	5	30
4,4'-DDT (p,p')	0.015		µg/l	0.010	0.0200		74	40-140	8	30
Dieldrin	0.014		µg/l	0.010	0.0200		70	40-140	11	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0109*		µg/l		*0.0200*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0189*		µg/l		*0.0200*		*94*	*30-150*		
Duplicate (7090534-DUP1) **Source: SA67825-03**										
Prepared: 11-Sep-07 Analyzed: 12-Sep-07										
Chlordane	BRL	U	µg/l	0.400		BRL				30
Endrin	BRL	U	µg/l	0.080		BRL				30
Heptachlor	BRL	U	µg/l	0.080		BRL				30
Heptachlor Epoxide	BRL	U	µg/l	0.080		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090534 - SW846 3535										
Duplicate (7090534-DUP1) **Source: SA67825-03**										
Prepared: 11-Sep-07 Analyzed: 12-Sep-07										
g-BHC (Lindane)	BRL	U	µg/l	0.080		BRL				30
Methoxychlor	BRL	U	µg/l	0.080		BRL				30
Toxaphene	BRL	U	µg/l	0.400		BRL				30
4,4'-DDD (p,p')	BRL	U	µg/l	0.080		BRL				30
4,4'-DDE (p,p')	BRL	U	µg/l	0.080		BRL				30
4,4'-DDT (p,p')	BRL	U	µg/l	0.080		BRL				30
Dieldrin	0.040	QM4, J	µg/l	0.080		0.060			39	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0818*		µg/l		*0.160*		*51*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.148*		µg/l		*0.160*		*92*	*30-150*		
Batch 7090535 - SW846 3535										
Blank (7090535-BLK1)										
Prepared & Analyzed: 11-Sep-07										
2,4-D	BRL	U	µg/l	0.100						
2,4,5-TP (Silvex)	BRL	U	µg/l	0.100						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0730*		µg/l		*0.200*		*36*	*30-150*		
LCS (7090535-BS1)										
Prepared & Analyzed: 11-Sep-07										
2,4-D	0.283		µg/l	0.100	0.500		57	40-140		
2,4,5-TP (Silvex)	0.377		µg/l	0.100	0.500		75	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0840*		µg/l		*0.200*		*42*	*30-150*		
LCS Dup (7090535-BSD1)										
Prepared & Analyzed: 11-Sep-07										
2,4-D	0.296		µg/l	0.100	0.500		59	40-140	4	25
2,4,5-TP (Silvex)	0.390		µg/l	0.100	0.500		78	40-140	3	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0860*		µg/l		*0.200*		*43*	*30-150*		
Duplicate (7090535-DUP1) **Source: SA67825-03**										
Prepared & Analyzed: 11-Sep-07										
2,4-D	BRL	U	µg/l	0.100		BRL				30
2,4,5-TP (Silvex)	BRL	U	µg/l	0.100		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0800*		µg/l		*0.205*		*39*	*30-150*		
Batch 7090617 - SW846 3550B										
Blank (7090617-BLK1)										
Prepared & Analyzed: 12-Sep-07										
Aroclor-1016	BRL	U	µg/kg wet	28.6						
Aroclor-1016 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1221	BRL	U	µg/kg wet	28.6						
Aroclor-1221 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1232	BRL	U	µg/kg wet	28.6						
Aroclor-1232 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1242	BRL	U	µg/kg wet	28.6						
Aroclor-1242 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1248	BRL	U	µg/kg wet	28.6						
Aroclor-1248 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1254	BRL	U	µg/kg wet	28.6						
Aroclor-1254 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1260	BRL	U	µg/kg wet	28.6						
Aroclor-1260 [2C]	BRL	U	µg/kg wet	28.6						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090617 - SW846 3550B										
Blank (7090617-BLK1)										
Prepared & Analyzed: 12-Sep-07										
Aroclor-1262	BRL	U	µg/kg wet	28.6						
Aroclor-1262 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1268	BRL	U	µg/kg wet	28.6						
Aroclor-1268 [2C]	BRL	U	µg/kg wet	28.6						
Surrogate: Decachlorobiphenyl (Sr)	*17.1*		µg/kg wet		*28.6*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.9*		µg/kg wet		*28.6*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
LCS (7090617-BS1)										
Prepared & Analyzed: 12-Sep-07										
Aroclor-1016	383		µg/kg wet	28.6	357		107	50-140		
Aroclor-1016 [2C]	363		µg/kg wet	28.6	357		102	50-140		
Aroclor-1260	307		µg/kg wet	28.6	357		86	50-140		
Aroclor-1260 [2C]	306		µg/kg wet	28.6	357		86	50-140		
Surrogate: Decachlorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.3*		µg/kg wet		*28.6*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
LCS Dup (7090617-BSD1)										
Prepared & Analyzed: 12-Sep-07										
Aroclor-1016	400		µg/kg wet	28.6	357		112	50-140	4	30
Aroclor-1016 [2C]	369		µg/kg wet	28.6	357		103	50-140	2	30
Aroclor-1260	296		µg/kg wet	28.6	357		83	50-140	4	30
Aroclor-1260 [2C]	336		µg/kg wet	28.6	357		94	50-140	9	30
Surrogate: Decachlorobiphenyl (Sr)	*17.1*		µg/kg wet		*28.6*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.3*		µg/kg wet		*28.6*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
Duplicate (7090617-DUP1) **Source: SA67825-01**										
Prepared & Analyzed: 12-Sep-07										
Aroclor-1016	BRL	U	µg/kg dry	34.9		BRL				40
Aroclor-1016 [2C]	BRL	U	µg/kg dry	34.9		BRL				40
Aroclor-1221	BRL	U	µg/kg dry	34.9		BRL				40
Aroclor-1221 [2C]	BRL	U	µg/kg dry	34.9		BRL				40
Aroclor-1232	BRL	U	µg/kg dry	34.9		BRL				40
Aroclor-1232 [2C]	BRL	U	µg/kg dry	34.9		BRL				40
Aroclor-1242	BRL	U	µg/kg dry	34.9		BRL				40
Aroclor-1242 [2C]	BRL	U	µg/kg dry	34.9		BRL				40
Aroclor-1248	BRL	U	µg/kg dry	34.9		BRL				40
Aroclor-1248 [2C]	BRL	U	µg/kg dry	34.9		BRL				40
Aroclor-1254	BRL	U	µg/kg dry	34.9		BRL				40
Aroclor-1254 [2C]	BRL	U	µg/kg dry	34.9		BRL				40
Aroclor-1260	BRL	U	µg/kg dry	34.9		BRL				40
Aroclor-1260 [2C]	BRL	U	µg/kg dry	34.9		BRL				40
Aroclor-1262	BRL	U	µg/kg dry	34.9		BRL				40
Aroclor-1262 [2C]	BRL	U	µg/kg dry	34.9		BRL				40
Aroclor-1268	BRL	U	µg/kg dry	34.9		BRL				40
Aroclor-1268 [2C]	BRL	U	µg/kg dry	34.9		BRL				40
Surrogate: Decachlorobiphenyl (Sr)	*13.9*		µg/kg dry		*34.8*		*40*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.1*		µg/kg dry		*34.8*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.9*		µg/kg dry		*34.8*		*40*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090617 - SW846 3550B										
Duplicate (7090617-DUP1) **Source: SA67825-01**										
Prepared & Analyzed: 12-Sep-07										
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*13.9*		µg/kg dry		*34.8*		*40*	*30-150*		
Matrix Spike (7090617-MS1) **Source: SA67825-01**										
Prepared & Analyzed: 12-Sep-07										
Aroclor-1016	464		µg/kg dry	35.7	446	BRL	104	40-135		
Aroclor-1016 [2C]	453		µg/kg dry	35.7	446	BRL	102	40-135		
Aroclor-1260	401		µg/kg dry	35.7	446	BRL	90	40-135		
Aroclor-1260 [2C]	408		µg/kg dry	35.7	446	BRL	92	40-135		
Surrogate: Decachlorobiphenyl (Sr)	*16.1*		µg/kg dry		*35.7*		*45*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.6*		µg/kg dry		*35.7*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*12.5*		µg/kg dry		*35.7*		*35*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*14.3*		µg/kg dry		*35.7*		*40*	*30-150*		
Matrix Spike Dup (7090617-MSD1) **Source: SA67825-01**										
Prepared & Analyzed: 12-Sep-07										
Aroclor-1016	462		µg/kg dry	34.5	431	BRL	107	40-135	3	15
Aroclor-1016 [2C]	452		µg/kg dry	34.5	431	BRL	105	40-135	3	15
Aroclor-1260	407		µg/kg dry	34.5	431	BRL	94	40-135	5	20
Aroclor-1260 [2C]	462		µg/kg dry	34.5	431	BRL	107	40-135	16	20
Surrogate: Decachlorobiphenyl (Sr)	*22.4*		µg/kg dry		*34.5*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*31.1*		µg/kg dry		*34.5*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg dry		*34.5*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*20.7*		µg/kg dry		*34.5*		*60*	*30-150*		
Batch 7090619 - SW846 3550B										
Blank (7090619-BLK1)										
Prepared & Analyzed: 12-Sep-07										
alpha-BHC	BRL	U	µg/kg wet	14.3						
alpha-BHC [2C]	BRL	U	µg/kg wet	14.3						
beta-BHC	BRL	U	µg/kg wet	14.3						
beta-BHC [2C]	BRL	U	µg/kg wet	14.3						
delta-BHC	BRL	U	µg/kg wet	14.3						
delta-BHC [2C]	BRL	U	µg/kg wet	14.3						
gamma-BHC (Lindane)	BRL	U	µg/kg wet	14.3						
gamma-BHC (Lindane) [2C]	BRL	U	µg/kg wet	14.3						
Heptachlor	BRL	U	µg/kg wet	14.3						
Heptachlor [2C]	BRL	U	µg/kg wet	14.3						
Aldrin	BRL	U	µg/kg wet	14.3						
Aldrin [2C]	BRL	U	µg/kg wet	14.3						
Heptachlor epoxide	BRL	U	µg/kg wet	14.3						
Heptachlor Epoxide [2C]	BRL	U	µg/kg wet	14.3						
Endosulfan I	BRL	U	µg/kg wet	14.3						
Endosulfan I [2C]	BRL	U	µg/kg wet	14.3						
Dieldrin	BRL	U	µg/kg wet	14.3						
Dieldrin [2C]	BRL	U	µg/kg wet	14.3						
4,4'-DDE (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDE (p,p') [2C]	BRL	U	µg/kg wet	14.3						
Endrin	BRL	U	µg/kg wet	14.3						
Endrin [2C]	BRL	U	µg/kg wet	14.3						
Endosulfan II	BRL	U	µg/kg wet	14.3						
Endosulfan II [2C]	BRL	U	µg/kg wet	14.3						
4,4'-DDD (p,p')	BRL	U	µg/kg wet	14.3						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090619 - SW846 3550B										
Blank (7090619-BLK1)										
Prepared & Analyzed: 12-Sep-07										
4,4'-DDD (p,p') [2C]	BRL	U	µg/kg wet	14.3						
Endosulfan sulfate	BRL	U	µg/kg wet	14.3						
Endosulfan Sulfate [2C]	BRL	U	µg/kg wet	14.3						
4,4'-DDT (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDT (p,p') [2C]	BRL	U	µg/kg wet	14.3						
Methoxychlor	BRL	U	µg/kg wet	14.3						
Methoxychlor [2C]	BRL	U	µg/kg wet	14.3						
Endrin ketone	BRL	U	µg/kg wet	14.3						
Endrin ketone [2C]	BRL	U	µg/kg wet	14.3						
Endrin aldehyde	BRL	U	µg/kg wet	14.3						
Endrin Aldehyde [2C]	BRL	U	µg/kg wet	14.3						
alpha-Chlordane	BRL	U	µg/kg wet	14.3						
alpha-Chlordane [2C]	BRL	U	µg/kg wet	14.3						
gamma-Chlordane	BRL	U	µg/kg wet	14.3						
gamma-Chlordane [2C]	BRL	U	µg/kg wet	14.3						
Toxaphene	BRL	U	µg/kg wet	71.5						
Toxaphene [2C]	BRL	U	µg/kg wet	71.5						
Chlordane	BRL	U	µg/kg wet	71.5						
Chlordane [2C]	BRL	U	µg/kg wet	71.5						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.7*		µg/kg wet		*28.6*		*51*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.8*		µg/kg wet		*28.6*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.1*		µg/kg wet		*28.6*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*29.3*		µg/kg wet		*28.6*		*102*	*30-150*		
LCS (7090619-BS1)										
Prepared: 12-Sep-07 Analyzed: 14-Sep-07										
alpha-BHC	26.0		µg/kg wet	14.3	28.6		91	40-140		
alpha-BHC [2C]	24.8		µg/kg wet	14.3	28.6		87	40-140		
beta-BHC	25.1		µg/kg wet	14.3	28.6		88	40-140		
beta-BHC [2C]	29.7		µg/kg wet	14.3	28.6		104	40-140		
delta-BHC	21.5		µg/kg wet	14.3	28.6		75	40-140		
delta-BHC [2C]	21.2		µg/kg wet	14.3	28.6		74	40-140		
gamma-BHC (Lindane)	25.2		µg/kg wet	14.3	28.6		88	50-120		
gamma-BHC (Lindane) [2C]	26.0		µg/kg wet	14.3	28.6		91	50-120		
Heptachlor	26.5		µg/kg wet	14.3	28.6		93	40-140		
Heptachlor [2C]	26.1		µg/kg wet	14.3	28.6		91	40-140		
Aldrin	27.7		µg/kg wet	14.3	28.6		97	40-140		
Aldrin [2C]	26.0		µg/kg wet	14.3	28.6		91	40-140		
Heptachlor epoxide	28.8		µg/kg wet	14.3	28.6		101	50-150		
Heptachlor Epoxide [2C]	25.5		µg/kg wet	14.3	28.6		89	50-150		
Endosulfan I	28.8		µg/kg wet	14.3	28.6		101	40-140		
Endosulfan I [2C]	26.2		µg/kg wet	14.3	28.6		92	40-140		
Dieldrin	29.5		µg/kg wet	14.3	28.6		103	30-130		
Dieldrin [2C]	26.1		µg/kg wet	14.3	28.6		91	30-130		
4,4'-DDE (p,p')	30.6		µg/kg wet	14.3	28.6		107	50-150		
4,4'-DDE (p,p') [2C]	26.7		µg/kg wet	14.3	28.6		93	50-150		
Endrin	32.3		µg/kg wet	14.3	28.6		113	50-120		
Endrin [2C]	27.8		µg/kg wet	14.3	28.6		97	50-120		
Endosulfan II	28.9		µg/kg wet	14.3	28.6		101	40-140		
Endosulfan II [2C]	28.4		µg/kg wet	14.3	28.6		99	40-140		
4,4'-DDD (p,p')	29.4		µg/kg wet	14.3	28.6		103	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090619 - SW846 3550B										
LCS (7090619-BS1)										
Prepared: 12-Sep-07 Analyzed: 14-Sep-07										
4,4'-DDD (p,p') [2C]	29.5		µg/kg wet	14.3	28.6		103	40-140		
Endosulfan sulfate	32.0		µg/kg wet	14.3	28.6		112	50-120		
Endosulfan Sulfate [2C]	28.9		µg/kg wet	14.3	28.6		101	50-120		
4,4'-DDT (p,p')	24.4		µg/kg wet	14.3	28.6		86	40-140		
4,4'-DDT (p,p') [2C]	25.0		µg/kg wet	14.3	28.6		87	40-140		
Methoxychlor	26.6		µg/kg wet	14.3	28.6		93	40-140		
Methoxychlor [2C]	29.3		µg/kg wet	14.3	28.6		103	40-140		
Endrin ketone	32.7		µg/kg wet	14.3	28.6		114	40-140		
Endrin ketone [2C]	30.8		µg/kg wet	14.3	28.6		108	40-140		
Endrin aldehyde	32.0		µg/kg wet	14.3	28.6		112	40-140		
Endrin Aldehyde [2C]	26.9		µg/kg wet	14.3	28.6		94	40-140		
alpha-Chlordane	28.0		µg/kg wet	14.3	28.6		98	40-140		
alpha-Chlordane [2C]	26.5		µg/kg wet	14.3	28.6		93	40-140		
gamma-Chlordane	26.7		µg/kg wet	14.3	28.6		93	30-130		
gamma-Chlordane [2C]	26.3		µg/kg wet	14.3	28.6		92	30-130		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.6*		µg/kg wet		*28.6*		*58*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*17.6*		µg/kg wet		*28.6*		*62*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*35.2*		µg/kg wet		*28.6*		*123*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*32.6*		µg/kg wet		*28.6*		*114*	*30-150*		
LCS Dup (7090619-BSD1)										
Prepared: 12-Sep-07 Analyzed: 14-Sep-07										
alpha-BHC	25.4		µg/kg wet	14.3	28.6		89	40-140	2	30
alpha-BHC [2C]	24.7		µg/kg wet	14.3	28.6		86	40-140	0.6	30
beta-BHC	24.0		µg/kg wet	14.3	28.6		84	40-140	4	30
beta-BHC [2C]	28.5		µg/kg wet	14.3	28.6		100	40-140	4	30
delta-BHC	20.8		µg/kg wet	14.3	28.6		73	40-140	3	30
delta-BHC [2C]	20.9		µg/kg wet	14.3	28.6		73	40-140	1	30
gamma-BHC (Lindane)	24.9		µg/kg wet	14.3	28.6		87	50-120	1	30
gamma-BHC (Lindane) [2C]	25.4		µg/kg wet	14.3	28.6		89	50-120	2	30
Heptachlor	26.3		µg/kg wet	14.3	28.6		92	40-140	0.5	30
Heptachlor [2C]	25.5		µg/kg wet	14.3	28.6		89	40-140	3	30
Aldrin	26.6		µg/kg wet	14.3	28.6		93	40-140	4	30
Aldrin [2C]	25.4		µg/kg wet	14.3	28.6		89	40-140	2	30
Heptachlor epoxide	26.2		µg/kg wet	14.3	28.6		92	50-150	10	30
Heptachlor Epoxide [2C]	25.2		µg/kg wet	14.3	28.6		88	50-150	0.8	30
Endosulfan I	28.2		µg/kg wet	14.3	28.6		99	40-140	2	30
Endosulfan I [2C]	25.7		µg/kg wet	14.3	28.6		90	40-140	2	30
Dieldrin	28.4		µg/kg wet	14.3	28.6		99	30-130	4	30
Dieldrin [2C]	25.8		µg/kg wet	14.3	28.6		90	30-130	1	30
4,4'-DDE (p,p')	29.8		µg/kg wet	14.3	28.6		104	50-150	3	30
4,4'-DDE (p,p') [2C]	25.7		µg/kg wet	14.3	28.6		90	50-150	4	30
Endrin	29.9		µg/kg wet	14.3	28.6		105	50-120	8	30
Endrin [2C]	27.7		µg/kg wet	14.3	28.6		97	50-120	0.5	30
Endosulfan II	29.1		µg/kg wet	14.3	28.6		102	40-140	0.7	30
Endosulfan II [2C]	28.1		µg/kg wet	14.3	28.6		98	40-140	1	30
4,4'-DDD (p,p')	30.3		µg/kg wet	14.3	28.6		106	40-140	3	30
4,4'-DDD (p,p') [2C]	28.4		µg/kg wet	14.3	28.6		99	40-140	4	30
Endosulfan sulfate	29.8		µg/kg wet	14.3	28.6		104	50-120	7	30
Endosulfan Sulfate [2C]	26.8		µg/kg wet	14.3	28.6		94	50-120	7	30
4,4'-DDT (p,p')	24.4		µg/kg wet	14.3	28.6		85	40-140	0.1	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090619 - SW846 3550B										
LCS Dup (7090619-BSD1)										
Prepared: 12-Sep-07 Analyzed: 14-Sep-07										
4,4'-DDT (p,p') [2C]	25.2		µg/kg wet	14.3	28.6		88	40-140	0.9	30
Methoxychlor	31.0		µg/kg wet	14.3	28.6		109	40-140	15	30
Methoxychlor [2C]	25.8		µg/kg wet	14.3	28.6		90	40-140	13	30
Endrin ketone	31.0		µg/kg wet	14.3	28.6		109	40-140	5	30
Endrin ketone [2C]	28.6		µg/kg wet	14.3	28.6		100	40-140	7	30
Endrin aldehyde	30.4		µg/kg wet	14.3	28.6		106	40-140	5	30
Endrin Aldehyde [2C]	27.2		µg/kg wet	14.3	28.6		95	40-140	1	30
alpha-Chlordane	27.1		µg/kg wet	14.3	28.6		95	40-140	3	30
alpha-Chlordane [2C]	26.1		µg/kg wet	14.3	28.6		91	40-140	2	30
gamma-Chlordane	26.1		µg/kg wet	14.3	28.6		91	30-130	2	30
gamma-Chlordane [2C]	25.5		µg/kg wet	14.3	28.6		89	30-130	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.6*		µg/kg wet		*28.6*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*32.1*		µg/kg wet		*28.6*		*112*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*29.4*		µg/kg wet		*28.6*		*103*	*30-150*		
Duplicate (7090619-DUP1) **Source: SA67825-01**										
Prepared & Analyzed: 12-Sep-07										
alpha-BHC	BRL	U	µg/kg dry	17.4		BRL				30
alpha-BHC [2C]	BRL	U	µg/kg dry	17.4		BRL				30
beta-BHC	BRL	U	µg/kg dry	17.4		BRL				30
beta-BHC [2C]	BRL	U	µg/kg dry	17.4		BRL				30
delta-BHC	BRL	U	µg/kg dry	17.4		BRL				30
delta-BHC [2C]	BRL	U	µg/kg dry	17.4		BRL				30
gamma-BHC (Lindane)	BRL	U	µg/kg dry	17.4		BRL				30
gamma-BHC (Lindane) [2C]	BRL	U	µg/kg dry	17.4		BRL				30
Heptachlor	BRL	U	µg/kg dry	17.4		BRL				30
Heptachlor [2C]	BRL	U	µg/kg dry	17.4		BRL				30
Aldrin	BRL	U	µg/kg dry	17.4		BRL				30
Aldrin [2C]	BRL	U	µg/kg dry	17.4		BRL				30
Heptachlor epoxide	BRL	U	µg/kg dry	17.4		BRL				30
Heptachlor Epoxide [2C]	BRL	U	µg/kg dry	17.4		BRL				30
Endosulfan I	BRL	U	µg/kg dry	17.4		BRL				30
Endosulfan I [2C]	BRL	U	µg/kg dry	17.4		BRL				30
Dieldrin	1.35	J	µg/kg dry	17.4		1.71			24	30
Dieldrin [2C]	1.97	J	µg/kg dry	17.4		1.71			14	30
4,4'-DDE (p,p')	BRL	U	µg/kg dry	17.4		BRL				30
4,4'-DDE (p,p') [2C]	BRL	U	µg/kg dry	17.4		11.0				30
Endrin	BRL	U	µg/kg dry	17.4		BRL				30
Endrin [2C]	BRL	U	µg/kg dry	17.4		BRL				30
Endosulfan II	BRL	U	µg/kg dry	17.4		BRL				30
Endosulfan II [2C]	BRL	U	µg/kg dry	17.4		BRL				30
4,4'-DDD (p,p')	BRL	U	µg/kg dry	17.4		BRL				30
4,4'-DDD (p,p') [2C]	BRL	U	µg/kg dry	17.4		BRL				30
Endosulfan sulfate	BRL	U	µg/kg dry	17.4		BRL				30
Endosulfan Sulfate [2C]	BRL	U	µg/kg dry	17.4		BRL				30
4,4'-DDT (p,p')	14.0	J	µg/kg dry	17.4		12.3			13	30
4,4'-DDT (p,p') [2C]	14.1	J	µg/kg dry	17.4		11.8			18	30
Methoxychlor	BRL	U	µg/kg dry	17.4		BRL				30
Methoxychlor [2C]	BRL	U	µg/kg dry	17.4		BRL				30
Endrin ketone	BRL	U	µg/kg dry	17.4		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090619 - SW846 3550B										
Duplicate (7090619-DUP1) **Source: SA67825-01**										
Prepared & Analyzed: 12-Sep-07										
Endrin ketone [2C]	BRL	U	µg/kg dry	17.4		BRL				30
Endrin aldehyde	BRL	U	µg/kg dry	17.4		BRL				30
Endrin Aldehyde [2C]	BRL	U	µg/kg dry	17.4		BRL				30
alpha-Chlordane	4.51	J	µg/kg dry	17.4		5.52			20	30
alpha-Chlordane [2C]	9.47	J	µg/kg dry	17.4		10.9			14	30
gamma-Chlordane	4.32	J	µg/kg dry	17.4		5.71			28	30
gamma-Chlordane [2C]	7.21	J	µg/kg dry	17.4		7.39			2	30
Toxaphene	BRL	U	µg/kg dry	87.1		BRL				30
Toxaphene [2C]	BRL	U	µg/kg dry	87.1		BRL				30
Chlordane	BRL	U	µg/kg dry	87.1		BRL				30
Chlordane [2C]	BRL	U	µg/kg dry	87.1		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.4*	J	µg/kg dry		*34.8*		*39*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*14.2*	J	µg/kg dry		*34.8*		*41*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.2*		µg/kg dry		*34.8*		*81*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*34.3*		µg/kg dry		*34.8*		*98*	*30-150*		
Matrix Spike (7090619-MS1) **Source: SA67825-01**										
Prepared & Analyzed: 12-Sep-07										
alpha-BHC	29.0		µg/kg dry	16.8	33.6	BRL	86	30-150		
alpha-BHC [2C]	29.0		µg/kg dry	16.8	33.6	BRL	86	30-150		
beta-BHC	29.0		µg/kg dry	16.8	33.6	BRL	86	30-150		
beta-BHC [2C]	34.6		µg/kg dry	16.8	33.6	BRL	103	30-150		
delta-BHC	22.4		µg/kg dry	16.8	33.6	BRL	67	30-150		
delta-BHC [2C]	26.5		µg/kg dry	16.8	33.6	BRL	79	30-150		
gamma-BHC (Lindane)	30.0		µg/kg dry	16.8	33.6	BRL	89	46-127		
gamma-BHC (Lindane) [2C]	29.1		µg/kg dry	16.8	33.6	BRL	87	46-127		
Heptachlor	31.6		µg/kg dry	16.8	33.6	BRL	94	35-130		
Heptachlor [2C]	35.7		µg/kg dry	16.8	33.6	BRL	106	35-130		
Aldrin	29.1		µg/kg dry	16.8	33.6	BRL	87	34-132		
Aldrin [2C]	32.5		µg/kg dry	16.8	33.6	BRL	97	34-132		
Heptachlor epoxide	30.4		µg/kg dry	16.8	33.6	BRL	90	30-150		
Heptachlor Epoxide [2C]	33.6		µg/kg dry	16.8	33.6	BRL	100	30-150		
Endosulfan I	30.8		µg/kg dry	16.8	33.6	BRL	92	30-150		
Endosulfan I [2C]	35.7		µg/kg dry	16.8	33.6	BRL	106	30-150		
Dieldrin	34.4		µg/kg dry	16.8	33.6	1.71	97	31-134		
Dieldrin [2C]	37.4		µg/kg dry	16.8	33.6	1.71	106	31-134		
4,4'-DDE (p,p')	29.7		µg/kg dry	16.8	33.6	BRL	88	30-150		
4,4'-DDE (p,p') [2C]	33.2		µg/kg dry	16.8	33.6	11.0	66	30-150		
Endrin	39.7		µg/kg dry	16.8	33.6	BRL	118	42-139		
Endrin [2C]	41.7		µg/kg dry	16.8	33.6	BRL	124	42-139		
Endosulfan II	31.8		µg/kg dry	16.8	33.6	BRL	95	30-150		
Endosulfan II [2C]	37.2		µg/kg dry	16.8	33.6	BRL	111	30-150		
4,4'-DDD (p,p')	32.6		µg/kg dry	16.8	33.6	BRL	97	30-150		
4,4'-DDD (p,p') [2C]	34.5		µg/kg dry	16.8	33.6	BRL	103	30-150		
Endosulfan sulfate	34.9		µg/kg dry	16.8	33.6	BRL	104	30-150		
Endosulfan Sulfate [2C]	35.3		µg/kg dry	16.8	33.6	BRL	105	30-150		
4,4'-DDT (p,p')	67.5	QM1	µg/kg dry	16.8	33.6	12.3	164	23-134		
4,4'-DDT (p,p') [2C]	75.1	QM1	µg/kg dry	16.8	33.6	11.8	189	23-134		
Methoxychlor	37.9		µg/kg dry	16.8	33.6	BRL	113	30-150		
Methoxychlor [2C]	41.5		µg/kg dry	16.8	33.6	BRL	124	30-150		
Endrin ketone	35.2		µg/kg dry	16.8	33.6	BRL	105	30-150		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090619 - SW846 3550B										
Matrix Spike (7090619-MS1) **Source: SA67825-01**										
Prepared & Analyzed: 12-Sep-07										
Endrin ketone [2C]	42.5		µg/kg dry	16.8	33.6	BRL	127	30-150		
Endrin aldehyde	38.8		µg/kg dry	16.8	33.6	BRL	116	30-150		
Endrin Aldehyde [2C]	30.2		µg/kg dry	16.8	33.6	BRL	90	30-150		
alpha-Chlordane	38.4		µg/kg dry	16.8	33.6	5.52	98	30-150		
alpha-Chlordane [2C]	56.0		µg/kg dry	16.8	33.6	10.9	134	30-150		
gamma-Chlordane	38.3		µg/kg dry	16.8	33.6	5.71	97	30-150		
gamma-Chlordane [2C]	43.2		µg/kg dry	16.8	33.6	7.39	107	30-150		
Toxaphene	BRL	U	µg/kg dry	84.0		BRL		30-150		
Toxaphene [2C]	BRL	U	µg/kg dry	84.0		BRL		30-150		
Chlordane	BRL	U	µg/kg dry	84.0		BRL		30-150		
Chlordane [2C]	BRL	U	µg/kg dry	84.0		BRL		30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.7*		µg/kg dry		*33.6*		*56*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*19.1*		µg/kg dry		*33.6*		*57*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*39.2*		µg/kg dry		*33.6*		*117*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*46.2*		µg/kg dry		*33.6*		*138*	*30-150*		
Matrix Spike Dup (7090619-MSD1) **Source: SA67825-01**										
Prepared & Analyzed: 12-Sep-07										
alpha-BHC	30.5		µg/kg dry	16.7	33.3	BRL	92	30-150	6	30
alpha-BHC [2C]	30.6		µg/kg dry	16.7	33.3	BRL	92	30-150	6	30
beta-BHC	30.1		µg/kg dry	16.7	33.3	BRL	90	30-150	4	30
beta-BHC [2C]	34.1		µg/kg dry	16.7	33.3	BRL	102	30-150	0.6	30
delta-BHC	23.3		µg/kg dry	16.7	33.3	BRL	70	30-150	5	30
delta-BHC [2C]	26.1		µg/kg dry	16.7	33.3	BRL	78	30-150	0.7	30
gamma-BHC (Lindane)	31.5		µg/kg dry	16.7	33.3	BRL	95	46-127	6	50
gamma-BHC (Lindane) [2C]	29.9		µg/kg dry	16.7	33.3	BRL	90	46-127	4	50
Heptachlor	32.6		µg/kg dry	16.7	33.3	BRL	98	35-130	4	31
Heptachlor [2C]	35.6		µg/kg dry	16.7	33.3	BRL	107	35-130	0.8	31
Aldrin	30.7		µg/kg dry	16.7	33.3	BRL	92	34-132	6	43
Aldrin [2C]	32.1		µg/kg dry	16.7	33.3	BRL	97	34-132	0.2	43
Heptachlor epoxide	31.7		µg/kg dry	16.7	33.3	BRL	95	30-150	5	30
Heptachlor Epoxide [2C]	35.6		µg/kg dry	16.7	33.3	BRL	107	30-150	7	30
Endosulfan I	31.4		µg/kg dry	16.7	33.3	BRL	94	30-150	3	30
Endosulfan I [2C]	31.4		µg/kg dry	16.7	33.3	BRL	95	30-150	12	30
Dieldrin	42.1		µg/kg dry	16.7	33.3	1.71	121	31-134	22	38
Dieldrin [2C]	41.4		µg/kg dry	16.7	33.3	1.71	119	31-134	11	38
4,4'-DDE (p,p')	30.3		µg/kg dry	16.7	33.3	BRL	91	30-150	3	30
4,4'-DDE (p,p') [2C]	28.7		µg/kg dry	16.7	33.3	11.0	53	30-150	22	30
Endrin	42.0		µg/kg dry	16.7	33.3	BRL	126	42-139	6	45
Endrin [2C]	37.8		µg/kg dry	16.7	33.3	BRL	114	42-139	9	45
Endosulfan II	33.5		µg/kg dry	16.7	33.3	BRL	101	30-150	6	30
Endosulfan II [2C]	32.7		µg/kg dry	16.7	33.3	BRL	98	30-150	12	30
4,4'-DDD (p,p')	34.6		µg/kg dry	16.7	33.3	BRL	104	30-150	7	30
4,4'-DDD (p,p') [2C]	33.2		µg/kg dry	16.7	33.3	BRL	100	30-150	3	30
Endosulfan sulfate	34.3		µg/kg dry	16.7	33.3	BRL	103	30-150	0.7	30
Endosulfan Sulfate [2C]	33.1		µg/kg dry	16.7	33.3	BRL	99	30-150	6	30
4,4'-DDT (p,p')	62.2	QM1	µg/kg dry	16.7	33.3	12.3	150	23-134	9	50
4,4'-DDT (p,p') [2C]	62.2	QM1	µg/kg dry	16.7	33.3	11.8	151	23-134	22	50
Methoxychlor	39.3		µg/kg dry	16.7	33.3	BRL	118	30-150	5	30
Methoxychlor [2C]	39.8		µg/kg dry	16.7	33.3	BRL	120	30-150	3	30
Endrin ketone	34.9		µg/kg dry	16.7	33.3	BRL	105	30-150	0.1	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090619 - SW846 3550B										
Matrix Spike Dup (7090619-MSD1) **Source: SA67825-01**										
Prepared & Analyzed: 12-Sep-07										
Endrin ketone [2C]	41.4		µg/kg dry	16.7	33.3	BRL	125	30-150	2	30
Endrin aldehyde	32.5		µg/kg dry	16.7	33.3	BRL	98	30-150	17	30
Endrin Aldehyde [2C]	27.7		µg/kg dry	16.7	33.3	BRL	83	30-150	8	30
alpha-Chlordane	43.4		µg/kg dry	16.7	33.3	5.52	114	30-150	15	30
alpha-Chlordane [2C]	57.5		µg/kg dry	16.7	33.3	10.9	140	30-150	4	30
gamma-Chlordane	40.6		µg/kg dry	16.7	33.3	5.71	105	30-150	8	30
gamma-Chlordane [2C]	46.4		µg/kg dry	16.7	33.3	7.39	117	30-150	10	30
Toxaphene	BRL	U	µg/kg dry	83.3		BRL		30-150		50
Toxaphene [2C]	BRL	U	µg/kg dry	83.3		BRL		30-150		50
Chlordane	BRL	U	µg/kg dry	83.3		BRL		30-150		50
Chlordane [2C]	BRL	U	µg/kg dry	83.3		BRL		30-150		50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.5*		µg/kg dry		*33.3*		*53*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*18.4*		µg/kg dry		*33.3*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*33.1*		µg/kg dry		*33.3*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*32.1*		µg/kg dry		*33.3*		*97*	*30-150*		
Batch 7090620 - SW846 3550B										
Blank (7090620-BLK1)										
Prepared & Analyzed: 12-Sep-07										
2,4,5-T	BRL	U	µg/kg wet	6.70						
2,4,5-T [2C]	BRL	U	µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL	U	µg/kg wet	6.70						
2,4,5-TP (Silvex) [2C]	BRL	U	µg/kg wet	6.70						
2,4-D	BRL	U	µg/kg wet	6.70						
2,4-D [2C]	BRL	U	µg/kg wet	6.70						
2,4-DB	BRL	U	µg/kg wet	6.70						
2,4-DB [2C]	BRL	U	µg/kg wet	6.70						
Dalapon	BRL	U	µg/kg wet	6.70						
Dalapon [2C]	BRL	U	µg/kg wet	6.70						
Dicamba	BRL	U	µg/kg wet	6.70						
Dicamba [2C]	BRL	U	µg/kg wet	6.70						
Dichlorprop	BRL	U	µg/kg wet	6.70						
Dichlorprop [2C]	BRL	U	µg/kg wet	6.70						
Dinoseb	BRL	U	µg/kg wet	6.70						
Dinoseb [2C]	BRL	U	µg/kg wet	6.70						
MCPA	BRL	U	µg/kg wet	670						
MCPA [2C]	BRL	U	µg/kg wet	670						
MCPB	BRL	U	µg/kg wet	670						
MCPB [2C]	BRL	U	µg/kg wet	670						
MCPP	BRL	U	µg/kg wet	670						
MCPP [2C]	BRL	U	µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*9.60*		µg/kg wet		*13.3*		*72*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*6.53*		µg/kg wet		*13.3*		*49*	*30-150*		
LCS (7090620-BS1)										
Prepared & Analyzed: 12-Sep-07										
2,4,5-T	19.9		µg/kg wet	6.70	33.3		60	40-140		
2,4,5-T [2C]	16.1		µg/kg wet	6.70	33.3		48	40-140		
2,4,5-TP (Silvex)	22.9		µg/kg wet	6.70	33.3		69	40-140		
2,4,5-TP (Silvex) [2C]	18.0		µg/kg wet	6.70	33.3		54	40-140		
2,4-D	14.1		µg/kg wet	6.70	33.3		42	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090620 - SW846 3550B										
LCS (7090620-BS1)										
Prepared & Analyzed: 12-Sep-07										
2,4-D [2C]	11.1		µg/kg wet	6.70	33.3		33	40-140		
2,4-DB	30.9		µg/kg wet	6.70	33.3		93	40-140		
2,4-DB [2C]	17.0		µg/kg wet	6.70	33.3		51	40-140		
Dalapon	19.1		µg/kg wet	6.70	33.3		57	40-140		
Dalapon [2C]	15.3		µg/kg wet	6.70	33.3		46	40-140		
Dicamba	27.7		µg/kg wet	6.70	33.3		83	40-140		
Dicamba [2C]	20.0		µg/kg wet	6.70	33.3		60	40-140		
Dichlorprop	21.3		µg/kg wet	6.70	33.3		64	40-140		
Dichlorprop [2C]	15.0		µg/kg wet	6.70	33.3		45	40-140		
Dinoseb	33.0		µg/kg wet	6.70	33.3		99	40-140		
Dinoseb [2C]	18.0		µg/kg wet	6.70	33.3		54	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.67*		µg/kg wet		*13.3*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*6.07*		µg/kg wet		*13.3*		*46*	*30-150*		
LCS (7090620-BS2)										
Prepared & Analyzed: 12-Sep-07										
MCPA	4070		µg/kg wet	670	10000		41	40-140		
MCPA [2C]	2750		µg/kg wet	670	10000		27	40-140		
MCPB	5860		µg/kg wet	670	10000		59	40-140		
MCPB [2C]	2940		µg/kg wet	670	10000		29	40-140		
MCPP	7150		µg/kg wet	670	10000		71	40-140		
MCPP [2C]	5290		µg/kg wet	670	10000		53	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.7*		µg/kg wet		*13.3*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*7.73*		µg/kg wet		*13.3*		*58*	*30-150*		
LCS Dup (7090620-BSD1)										
Prepared & Analyzed: 12-Sep-07										
2,4,5-T	19.9		µg/kg wet	6.70	33.3		60	40-140	0	25
2,4,5-T [2C]	17.0		µg/kg wet	6.70	33.3		51	40-140	5	25
2,4,5-TP (Silvex)	24.3		µg/kg wet	6.70	33.3		73	40-140	6	25
2,4,5-TP (Silvex) [2C]	19.1		µg/kg wet	6.70	33.3		57	40-140	6	25
2,4-D	17.6		µg/kg wet	6.70	33.3		53	40-140	22	25
2,4-D [2C]	11.7		µg/kg wet	6.70	33.3		35	40-140	5	25
2,4-DB	28.9		µg/kg wet	6.70	33.3		87	40-140	7	25
2,4-DB [2C]	16.9		µg/kg wet	6.70	33.3		51	40-140	0.4	25
Dalapon	18.6		µg/kg wet	6.70	33.3		56	40-140	2	25
Dalapon [2C]	14.5		µg/kg wet	6.70	33.3		43	40-140	6	25
Dicamba	26.5		µg/kg wet	6.70	33.3		79	40-140	5	25
Dicamba [2C]	22.6		µg/kg wet	6.70	33.3		68	40-140	12	25
Dichlorprop	21.4		µg/kg wet	6.70	33.3		64	40-140	0.3	25
Dichlorprop [2C]	16.1		µg/kg wet	6.70	33.3		48	40-140	7	25
Dinoseb	34.3		µg/kg wet	6.70	33.3		103	40-140	4	25
Dinoseb [2C]	18.6		µg/kg wet	6.70	33.3		56	40-140	3	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.87*		µg/kg wet		*13.3*		*67*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*6.60*		µg/kg wet		*13.3*		*50*	*30-150*		
LCS Dup (7090620-BSD2)										
Prepared & Analyzed: 12-Sep-07										
MCPA	4140		µg/kg wet	670	10000		41	40-140	2	25
MCPA [2C]	2800		µg/kg wet	670	10000		28	40-140	2	25
MCPB	6390		µg/kg wet	670	10000		64	40-140	9	25
MCPB [2C]	2820		µg/kg wet	670	10000		28	40-140	4	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090620 - SW846 3550B										
LCS Dup (7090620-BSD2)										
Prepared & Analyzed: 12-Sep-07										
MCPP	7180		µg/kg wet	670	10000		72	40-140	0.4	25
MCPP [2C]	5320		µg/kg wet	670	10000		53	40-140	0.8	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.1*		µg/kg wet		*13.3*		*84*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*7.53*		µg/kg wet		*13.3*		*57*	*30-150*		
Duplicate (7090620-DUP1) **Source: SA67825-01**										
Prepared: 12-Sep-07 Analyzed: 13-Sep-07										
2,4,5-T	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-T [2C]	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex) [2C]	BRL	U	µg/kg dry	6.70		BRL				30
2,4-D	BRL	U	µg/kg dry	6.70		BRL				30
2,4-D [2C]	BRL	U	µg/kg dry	6.70		BRL				30
2,4-DB	BRL	U	µg/kg dry	6.70		BRL				30
2,4-DB [2C]	BRL	U	µg/kg dry	6.70		BRL				30
Dalapon	BRL	U	µg/kg dry	6.70		BRL				30
Dalapon [2C]	BRL	U	µg/kg dry	6.70		BRL				30
Dicamba	BRL	U	µg/kg dry	6.70		BRL				30
Dicamba [2C]	BRL	U	µg/kg dry	6.70		BRL				30
Dichlorprop	BRL	U	µg/kg dry	6.70		BRL				30
Dichlorprop [2C]	BRL	U	µg/kg dry	6.70		BRL				30
Dinoseb	BRL	U	µg/kg dry	6.70		BRL				30
Dinoseb [2C]	BRL	U	µg/kg dry	6.70		BRL				30
MCPA	BRL	U	µg/kg dry	670		BRL				30
MCPA [2C]	BRL	U	µg/kg dry	670		BRL				30
MCPB	BRL	U	µg/kg dry	670		BRL				30
MCPB [2C]	BRL	U	µg/kg dry	670		BRL				30
MCPP	BRL	U	µg/kg dry	670		BRL				30
MCPP [2C]	BRL	U	µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*10.1*		µg/kg dry		*19.5*		*52*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*7.98*		µg/kg dry		*19.5*		*41*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090506 - SW846 3550B										
Blank (7090506-BLK1)										
Prepared: 11-Sep-07 Analyzed: 14-Sep-07										
Acenaphthene	BRL	U	µg/kg wet	330						
Acenaphthylene	BRL	U	µg/kg wet	330						
Aniline	BRL	U	µg/kg wet	330						
Anthracene	BRL	U	µg/kg wet	330						
Atrazine	BRL	U	µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL	U	µg/kg wet	330						
Benzidine	BRL	U	µg/kg wet	330						
Benzo (a) anthracene	BRL	U	µg/kg wet	330						
Benzo (a) pyrene	BRL	U	µg/kg wet	330						
Benzo (b) fluoranthene	BRL	U	µg/kg wet	330						
Benzo (g,h,i) perylene	BRL	U	µg/kg wet	330						
Benzo (k) fluoranthene	BRL	U	µg/kg wet	330						
Benzoic acid	BRL	U	µg/kg wet	330						
Benzyl alcohol	BRL	U	µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL	U	µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL	U	µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL	U	µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL	U	µg/kg wet	330						
Butyl benzyl phthalate	BRL	U	µg/kg wet	330						
Carbazole	BRL	U	µg/kg wet	330						
4-Chloro-3-methylphenol	BRL	U	µg/kg wet	330						
4-Chloroaniline	BRL	U	µg/kg wet	330						
2-Chloronaphthalene	BRL	U	µg/kg wet	330						
2-Chlorophenol	BRL	U	µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL	U	µg/kg wet	330						
Chrysene	BRL	U	µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL	U	µg/kg wet	330						
Dibenzofuran	BRL	U	µg/kg wet	330						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	330						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	330						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	330						
3,3´-Dichlorobenzidine	BRL	U	µg/kg wet	330						
2,4-Dichlorophenol	BRL	U	µg/kg wet	330						
Diethyl phthalate	BRL	U	µg/kg wet	330						
Dimethyl phthalate	BRL	U	µg/kg wet	330						
2,4-Dimethylphenol	BRL	U	µg/kg wet	330						
Di-n-butyl phthalate	BRL	U	µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL	U	µg/kg wet	330						
2,4-Dinitrophenol	BRL	U	µg/kg wet	330						
2,4-Dinitrotoluene	BRL	U	µg/kg wet	330						
2,6-Dinitrotoluene	BRL	U	µg/kg wet	330						
Di-n-octyl phthalate	BRL	U	µg/kg wet	330						
Fluoranthene	BRL	U	µg/kg wet	330						
Fluorene	BRL	U	µg/kg wet	330						
Hexachlorobenzene	BRL	U	µg/kg wet	330						
Hexachlorobutadiene	BRL	U	µg/kg wet	330						
Hexachlorocyclopentadiene	BRL	U	µg/kg wet	330						
Hexachloroethane	BRL	U	µg/kg wet	330						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090506 - SW846 3550B										
Blank (7090506-BLK1)										
Prepared: 11-Sep-07 Analyzed: 14-Sep-07										
Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg wet	330						
Isophorone	BRL	U	µg/kg wet	330						
1-Methylnaphthalene	BRL	U	µg/kg wet	330						
2-Methylnaphthalene	BRL	U	µg/kg wet	330						
2-Methylphenol	BRL	U	µg/kg wet	330						
3,4-Methylphenol	BRL	U	µg/kg wet	330						
Naphthalene	BRL	U	µg/kg wet	330						
2-Nitroaniline	BRL	U	µg/kg wet	330						
3-Nitroaniline	BRL	U	µg/kg wet	330						
4-Nitroaniline	BRL	U	µg/kg wet	1320						
Nitrobenzene	BRL	U	µg/kg wet	330						
2-Nitrophenol	BRL	U	µg/kg wet	330						
4-Nitrophenol	BRL	U	µg/kg wet	1320						
N-Nitrosodimethylamine	BRL	U	µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL	U	µg/kg wet	330						
N-Nitrosodiphenylamine	BRL	U	µg/kg wet	330						
Pentachlorophenol	BRL	U	µg/kg wet	1320						
Phenanthrene	BRL	U	µg/kg wet	330						
Phenol	BRL	U	µg/kg wet	330						
Pyrene	BRL	U	µg/kg wet	330						
Pyridine	BRL	U	µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	330						
2,4,5-Trichlorophenol	BRL	U	µg/kg wet	330						
2,4,6-Trichlorophenol	BRL	U	µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*2740*		µg/kg wet		*6670*		*41*	*30-130*		
Surrogate: 2-Fluorophenol	*2930*		µg/kg wet		*6670*		*44*	*15-110*		
Surrogate: Nitrobenzene-d5	*2920*		µg/kg wet		*6670*		*44*	*30-130*		
Surrogate: Phenol-d5	*2750*		µg/kg wet		*6670*		*41*	*15-110*		
Surrogate: Terphenyl-dl4	*2560*		µg/kg wet		*6670*		*38*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*3220*		µg/kg wet		*6670*		*48*	*15-110*		
LCS (7090506-BS1)										
Prepared: 11-Sep-07 Analyzed: 14-Sep-07										
Acenaphthene	2010		µg/kg wet	330	3330		60	40-130		
Acenaphthylene	1930		µg/kg wet	330	3330		58	40-130		
Aniline	1430		µg/kg wet	330	3330		43	40-130		
Anthracene	1920		µg/kg wet	330	3330		58	40-130		
Atrazine	1570		µg/kg wet	330	3330		47	40-130		
Azobenzene/Diphenyldiazine	1980		µg/kg wet	330	3330		59	40-130		
Benzidine	51.3	J	µg/kg wet	330	3330		2	0-178		
Benzo (a) anthracene	1700		µg/kg wet	330	3330		51	40-130		
Benzo (a) pyrene	1850		µg/kg wet	330	3330		55	40-130		
Benzo (b) fluoranthene	1640		µg/kg wet	330	3330		49	40-130		
Benzo (g,h,i) perylene	1800		µg/kg wet	330	3330		54	40-130		
Benzo (k) fluoranthene	2050		µg/kg wet	330	3330		61	40-130		
Benzoic acid	1490		µg/kg wet	330	3330		45	0-130		
Benzyl alcohol	1750		µg/kg wet	330	3330		53	40-130		
Bis(2-chloroethoxy)methane	1980		µg/kg wet	330	3330		59	40-130		
Bis(2-chloroethyl)ether	1930		µg/kg wet	330	3330		58	40-130		
Bis(2-chloroisopropyl)ether	2090		µg/kg wet	330	3330		63	40-130		
Bis(2-ethylhexyl)phthalate	1840		µg/kg wet	330	3330		55	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090506 - SW846 3550B										
LCS (7090506-BS1)										
Prepared: 11-Sep-07 Analyzed: 14-Sep-07										
4-Bromophenyl phenyl ether	1900		µg/kg wet	330	3330		57	40-130		
Butyl benzyl phthalate	1810		µg/kg wet	330	3330		54	40-130		
Carbazole	1890		µg/kg wet	330	3330		57	40-130		
4-Chloro-3-methylphenol	1980		µg/kg wet	330	3330		59	40-130		
4-Chloroaniline	1390		µg/kg wet	330	3330		42	40-130		
2-Chloronaphthalene	1830		µg/kg wet	330	3330		55	40-130		
2-Chlorophenol	1890		µg/kg wet	330	3330		57	40-130		
4-Chlorophenyl phenyl ether	1990		µg/kg wet	330	3330		60	40-130		
Chrysene	1740		µg/kg wet	330	3330		52	40-130		
Dibenzo (a,h) anthracene	1890		µg/kg wet	330	3330		57	40-130		
Dibenzofuran	1870		µg/kg wet	330	3330		56	40-130		
1,2-Dichlorobenzene	1790		µg/kg wet	330	3330		54	40-130		
1,3-Dichlorobenzene	1770		µg/kg wet	330	3330		53	40-130		
1,4-Dichlorobenzene	1810		µg/kg wet	330	3330		54	40-130		
3,3´-Dichlorobenzidine	1670		µg/kg wet	330	3330		50	40-130		
2,4-Dichlorophenol	1850		µg/kg wet	330	3330		55	40-130		
Diethyl phthalate	2000		µg/kg wet	330	3330		60	40-130		
Dimethyl phthalate	1910		µg/kg wet	330	3330		57	40-130		
2,4-Dimethylphenol	1780		µg/kg wet	330	3330		53	40-130		
Di-n-butyl phthalate	1990		µg/kg wet	330	3330		60	40-130		
4,6-Dinitro-2-methylphenol	1900		µg/kg wet	330	3330		57	40-130		
2,4-Dinitrophenol	1640		µg/kg wet	330	3330		49	40-130		
2,4-Dinitrotoluene	1790		µg/kg wet	330	3330		54	40-130		
2,6-Dinitrotoluene	1810		µg/kg wet	330	3330		54	40-130		
Di-n-octyl phthalate	2090		µg/kg wet	330	3330		63	40-130		
Fluoranthene	1930		µg/kg wet	330	3330		58	40-130		
Fluorene	1940		µg/kg wet	330	3330		58	40-130		
Hexachlorobenzene	1860		µg/kg wet	330	3330		56	40-130		
Hexachlorobutadiene	1790		µg/kg wet	330	3330		54	40-130		
Hexachlorocyclopentadiene	1560		µg/kg wet	330	3330		47	40-130		
Hexachloroethane	1780		µg/kg wet	330	3330		53	40-130		
Indeno (1,2,3-cd) pyrene	1730		µg/kg wet	330	3330		52	40-130		
Isophorone	1870		µg/kg wet	330	3330		56	40-130		
1-Methylnaphthalene	1810		µg/kg wet	330	3330		54	40-140		
2-Methylnaphthalene	1850		µg/kg wet	330	3330		55	40-130		
2-Methylphenol	1900		µg/kg wet	330	3330		57	40-130		
3,4-Methylphenol	1750		µg/kg wet	330	3330		53	40-130		
Naphthalene	1900		µg/kg wet	330	3330		57	40-130		
2-Nitroaniline	1740		µg/kg wet	330	3330		52	40-130		
3-Nitroaniline	1600		µg/kg wet	330	3330		48	40-130		
4-Nitroaniline	1800		µg/kg wet	1320	3330		54	40-130		
Nitrobenzene	1900		µg/kg wet	330	3330		57	40-130		
2-Nitrophenol	1760		µg/kg wet	330	3330		53	40-130		
4-Nitrophenol	1860		µg/kg wet	1320	3330		56	40-130		
N-Nitrosodimethylamine	2200		µg/kg wet	330	3330		66	40-130		
N-Nitrosodi-n-propylamine	2070		µg/kg wet	330	3330		62	40-130		
N-Nitrosodiphenylamine	2100		µg/kg wet	330	3330		63	40-130		
Pentachlorophenol	2190		µg/kg wet	1320	3330		66	40-130		
Phenanthrene	1920		µg/kg wet	330	3330		58	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090506 - SW846 3550B										
LCS (7090506-BS1)										
Prepared: 11-Sep-07 Analyzed: 14-Sep-07										
Phenol	1980		µg/kg wet	330	3330		59	40-130		
Pyrene	1760		µg/kg wet	330	3330		53	40-130		
Pyridine	1050	QC2	µg/kg wet	330	3330		32	40-130		
1,2,4-Trichlorobenzene	1720		µg/kg wet	330	3330		52	40-130		
2,4,5-Trichlorophenol	1970		µg/kg wet	330	3330		59	40-130		
2,4,6-Trichlorophenol	1840		µg/kg wet	330	3330		55	40-130		
Surrogate: 2-Fluorobiphenyl	*3450*		µg/kg wet		*6670*		*52*	*30-130*		
Surrogate: 2-Fluorophenol	*3470*		µg/kg wet		*6670*		*52*	*15-110*		
Surrogate: Nitrobenzene-d5	*3560*		µg/kg wet		*6670*		*53*	*30-130*		
Surrogate: Phenol-d5	*3090*		µg/kg wet		*6670*		*46*	*15-110*		
Surrogate: Terphenyl-dl4	*3390*		µg/kg wet		*6670*		*51*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*3850*		µg/kg wet		*6670*		*58*	*15-110*		
Duplicate (7090506-DUP1) **Source: SA67859-02**										
Prepared: 11-Sep-07 Analyzed: 14-Sep-07										
Acenaphthene	BRL	U	µg/kg dry	168		BRL				50
Acenaphthylene	BRL	U	µg/kg dry	168		BRL				50
Aniline	BRL	U	µg/kg dry	168		BRL				50
Anthracene	BRL	U	µg/kg dry	168		BRL				50
Atrazine	BRL	U	µg/kg dry	168		BRL				50
Azobenzene/Diphenyldiazine	BRL	U	µg/kg dry	168		BRL				50
Benzidine	BRL	U	µg/kg dry	168		BRL				50
Benzo (a) anthracene	BRL	U	µg/kg dry	168		BRL				50
Benzo (a) pyrene	BRL	U	µg/kg dry	168		BRL				50
Benzo (b) fluoranthene	BRL	U	µg/kg dry	168		BRL				50
Benzo (g,h,i) perylene	BRL	U	µg/kg dry	168		BRL				50
Benzo (k) fluoranthene	BRL	U	µg/kg dry	168		BRL				50
Benzoic acid	BRL	U	µg/kg dry	168		BRL				50
Benzyl alcohol	BRL	U	µg/kg dry	168		BRL				50
Bis(2-chloroethoxy)methane	BRL	U	µg/kg dry	168		BRL				50
Bis(2-chloroethyl)ether	BRL	U	µg/kg dry	168		BRL				50
Bis(2-chloroisopropyl)ether	BRL	U	µg/kg dry	168		BRL				50
Bis(2-ethylhexyl)phthalate	91.1	J	µg/kg dry	168		82.4			10	50
4-Bromophenyl phenyl ether	BRL	U	µg/kg dry	168		BRL				50
Butyl benzyl phthalate	BRL	U	µg/kg dry	168		BRL				50
Carbazole	BRL	U	µg/kg dry	168		BRL				50
4-Chloro-3-methylphenol	BRL	U	µg/kg dry	168		BRL				50
4-Chloroaniline	BRL	U	µg/kg dry	168		BRL				50
2-Chloronaphthalene	BRL	U	µg/kg dry	168		BRL				50
2-Chlorophenol	BRL	U	µg/kg dry	168		BRL				50
4-Chlorophenyl phenyl ether	BRL	U	µg/kg dry	168		BRL				50
Chrysene	BRL	U	µg/kg dry	168		17.7				50
Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	168		BRL				50
Dibenzofuran	BRL	U	µg/kg dry	168		BRL				50
1,2-Dichlorobenzene	BRL	U	µg/kg dry	168		BRL				50
1,3-Dichlorobenzene	BRL	U	µg/kg dry	168		BRL				50
1,4-Dichlorobenzene	BRL	U	µg/kg dry	168		BRL				50
3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	168		BRL				50
2,4-Dichlorophenol	BRL	U	µg/kg dry	168		BRL				50
Diethyl phthalate	BRL	U	µg/kg dry	168		BRL				50
Dimethyl phthalate	BRL	U	µg/kg dry	168		BRL				50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090506 - SW846 3550B										
Duplicate (7090506-DUP1) **Source: SA67859-02**										
Prepared: 11-Sep-07 Analyzed: 14-Sep-07										
2,4-Dimethylphenol	BRL	U	µg/kg dry	168		BRL				50
Di-n-butyl phthalate	36.0	J	µg/kg dry	168		33.7			7	50
4,6-Dinitro-2-methylphenol	BRL	U	µg/kg dry	168		BRL				50
2,4-Dinitrophenol	BRL	U	µg/kg dry	168		BRL				50
2,4-Dinitrotoluene	BRL	U	µg/kg dry	168		BRL				50
2,6-Dinitrotoluene	BRL	U	µg/kg dry	168		BRL				50
Di-n-octyl phthalate	BRL	U	µg/kg dry	168		BRL				50
Fluoranthene	20.7	J	µg/kg dry	168		28.6			32	50
Fluorene	BRL	U	µg/kg dry	168		BRL				50
Hexachlorobenzene	BRL	U	µg/kg dry	168		BRL				50
Hexachlorobutadiene	BRL	U	µg/kg dry	168		BRL				50
Hexachlorocyclopentadiene	BRL	U	µg/kg dry	168		BRL				50
Hexachloroethane	BRL	U	µg/kg dry	168		BRL				50
Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	168		BRL				50
1-Methylnaphthalene	18.0	J	µg/kg dry	168		BRL				50
Isophorone	BRL	U	µg/kg dry	168		BRL				50
2-Methylnaphthalene	27.2	J	µg/kg dry	168		BRL				50
2-Methylphenol	BRL	U	µg/kg dry	168		BRL				50
3,4-Methylphenol	BRL	U	µg/kg dry	168		BRL				50
Naphthalene	BRL	U	µg/kg dry	168		BRL				50
2-Nitroaniline	BRL	U	µg/kg dry	168		BRL				50
3-Nitroaniline	BRL	U	µg/kg dry	168		BRL				50
4-Nitroaniline	BRL	U	µg/kg dry	673		BRL				50
Nitrobenzene	BRL	U	µg/kg dry	168		BRL				50
2-Nitrophenol	BRL	U	µg/kg dry	168		BRL				50
4-Nitrophenol	BRL	U	µg/kg dry	673		BRL				50
N-Nitrosodimethylamine	BRL	U	µg/kg dry	168		BRL				50
N-Nitrosodi-n-propylamine	BRL	U	µg/kg dry	168		BRL				50
N-Nitrosodiphenylamine	BRL	U	µg/kg dry	168		BRL				50
Pentachlorophenol	BRL	U	µg/kg dry	673		BRL				50
Phenanthrene	17.3	J	µg/kg dry	168		20.4			16	50
Phenol	BRL	U	µg/kg dry	168		BRL				50
Pyrene	21.1	J	µg/kg dry	168		27.2			25	50
Pyridine	BRL	U	µg/kg dry	168		BRL				50
1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	168		BRL				50
2,4,5-Trichlorophenol	BRL	U	µg/kg dry	168		BRL				50
2,4,6-Trichlorophenol	BRL	U	µg/kg dry	168		BRL				50
Surrogate: 2-Fluorobiphenyl	*1020*		µg/kg dry		*1700*		*60*	*30-130*		
Surrogate: 2-Fluorophenol	*993*		µg/kg dry		*1700*		*58*	*15-110*		
Surrogate: Nitrobenzene-d5	*1010*		µg/kg dry		*1700*		*59*	*30-130*		
Surrogate: Phenol-d5	*966*		µg/kg dry		*1700*		*57*	*15-110*		
Surrogate: Terphenyl-dl4	*1000*		µg/kg dry		*1700*		*59*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*954*		µg/kg dry		*1700*		*56*	*15-110*		
Matrix Spike (7090506-MS1) **Source: SA67859-02**										
Prepared: 11-Sep-07 Analyzed: 14-Sep-07										
Acenaphthene	1020		µg/kg dry	170	1720	BRL	59	40-140		
4-Chloro-3-methylphenol	1870		µg/kg dry	170	3430	BRL	55	30-130		
2-Chlorophenol	1830		µg/kg dry	170	3430	BRL	53	30-130		
1,4-Dichlorobenzene	874		µg/kg dry	170	1720	BRL	51	40-140		
2,4-Dinitrotoluene	833		µg/kg dry	170	1720	BRL	49	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090506 - SW846 3550B										
Matrix Spike (7090506-MS1) **Source: SA67859-02**										
Prepared: 11-Sep-07 Analyzed: 14-Sep-07										
4-Nitrophenol	1820		µg/kg dry	679	3430	BRL	53	30-130		
N-Nitrosodi-n-propylamine	1040		µg/kg dry	170	1720	BRL	61	40-140		
Pentachlorophenol	2130		µg/kg dry	679	3430	BRL	62	30-130		
Phenol	1900		µg/kg dry	170	3430	BRL	55	30-130		
Pyrene	938		µg/kg dry	170	1720	27.2	53	40-140		
1,2,4-Trichlorobenzene	822		µg/kg dry	170	1720	BRL	48	40-140		
Surrogate: 2-Fluorobiphenyl	*898*		µg/kg dry		*1720*		*52*	*30-130*		
Surrogate: 2-Fluorophenol	*836*		µg/kg dry		*1720*		*49*	*15-110*		
Surrogate: Nitrobenzene-d5	*889*		µg/kg dry		*1720*		*52*	*30-130*		
Surrogate: Phenol-d5	*789*		µg/kg dry		*1720*		*46*	*15-110*		
Surrogate: Terphenyl-dl4	*920*		µg/kg dry		*1720*		*54*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*934*		µg/kg dry		*1720*		*54*	*15-110*		
Matrix Spike Dup (7090506-MSD1) **Source: SA67859-02**										
Prepared: 11-Sep-07 Analyzed: 14-Sep-07										
Acenaphthene	1020		µg/kg dry	170	1720	BRL	60	40-140	0.3	30
4-Chloro-3-methylphenol	1870		µg/kg dry	170	3440	BRL	54	30-130	0.5	30
2-Chlorophenol	1860		µg/kg dry	170	3440	BRL	54	30-130	2	30
1,4-Dichlorobenzene	918		µg/kg dry	170	1720	BRL	53	40-140	5	30
2,4-Dinitrotoluene	833		µg/kg dry	170	1720	BRL	48	40-140	0.1	30
4-Nitrophenol	1850		µg/kg dry	681	3440	BRL	54	30-130	1	30
N-Nitrosodi-n-propylamine	1060		µg/kg dry	170	1720	BRL	62	40-140	1	30
Pentachlorophenol	2160		µg/kg dry	681	3440	BRL	63	30-130	1	30
Phenol	1920		µg/kg dry	170	3440	BRL	56	30-130	0.9	30
Pyrene	944		µg/kg dry	170	1720	27.2	53	40-140	0.5	30
1,2,4-Trichlorobenzene	860		µg/kg dry	170	1720	BRL	50	40-140	4	30
Surrogate: 2-Fluorobiphenyl	*904*		µg/kg dry		*1720*		*53*	*30-130*		
Surrogate: 2-Fluorophenol	*854*		µg/kg dry		*1720*		*50*	*15-110*		
Surrogate: Nitrobenzene-d5	*920*		µg/kg dry		*1720*		*54*	*30-130*		
Surrogate: Phenol-d5	*792*		µg/kg dry		*1720*		*46*	*15-110*		
Surrogate: Terphenyl-dl4	*897*		µg/kg dry		*1720*		*52*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*924*		µg/kg dry		*1720*		*54*	*15-110*		
Batch 7090533 - SW846 3535										
Blank (7090533-BLK1)										
Prepared: 11-Sep-07 Analyzed: 13-Sep-07										
1,4-Dichlorobenzene	BRL	U	µg/l	5.00						
2,4-Dinitrotoluene	BRL	U	µg/l	5.00						
Hexachlorobenzene	BRL	U	µg/l	5.00						
Hexachlorobutadiene	BRL	U	µg/l	5.00						
Hexachloroethane	BRL	U	µg/l	5.00						
2-Methylphenol	BRL	U	µg/l	5.00						
3,4-Methylphenol	BRL	U	µg/l	10.0						
Nitrobenzene	BRL	U	µg/l	5.00						
Pentachlorophenol	BRL	U	µg/l	5.00						
Pyridine	BRL	U	µg/l	5.00						
2,4,5-Trichlorophenol	BRL	U	µg/l	5.00						
2,4,6-Trichlorophenol	BRL	U	µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*277*		µg/l		*400*		*69*	*30-130*		
Surrogate: 2-Fluorophenol	*317*		µg/l		*400*		*79*	*15-110*		
Surrogate: Nitrobenzene-d5	*300*		µg/l		*400*		*75*	*30-130*		
Surrogate: Terphenyl-dl4	*271*		µg/l		*400*		*68*	*30-130*		
LCS (7090533-BS1)										

Semivolatile Organic Compounds by GCMS - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090533 - SW846 3535										
Prepared: 11-Sep-07 Analyzed: 13-Sep-07										
1,4-Dichlorobenzene	156		µg/l	5.00	200		78	40-140		
2,4-Dinitrotoluene	166		µg/l	5.00	200		83	40-140		
Hexachlorobenzene	170		µg/l	5.00	200		85	40-140		
Hexachlorobutadiene	164		µg/l	5.00	200		82	40-140		
Hexachloroethane	152		µg/l	5.00	200		76	40-140		
2-Methylphenol	172		µg/l	5.00	200		86	30-130		
3,4-Methylphenol	164		µg/l	10.0	200		82	40-130		
Nitrobenzene	161		µg/l	5.00	200		81	40-140		
Pentachlorophenol	177		µg/l	5.00	200		88	30-130		
Pyridine	153		µg/l	5.00	200		76	40-140		
2,4,5-Trichlorophenol	148		µg/l	5.00	200		74	30-130		
2,4,6-Trichlorophenol	163		µg/l	5.00	200		81	30-130		
Surrogate: 2-Fluorobiphenyl	*252*		µg/l		*400*		*63*	*30-130*		
Surrogate: 2-Fluorophenol	*290*		µg/l		*400*		*72*	*15-110*		
Surrogate: Nitrobenzene-d5	*298*		µg/l		*400*		*74*	*30-130*		
Surrogate: Terphenyl-dl4	*279*		µg/l		*400*		*70*	*30-130*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090697 - SW846 3050B										
Blank (7090697-BLK1)										
Prepared: 12-Sep-07 Analyzed: 13-Sep-07										
Magnesium	0.195	J	mg/kg wet	4.64						
Lead	BRL	U	mg/kg wet	1.39						
Antimony	BRL	U	mg/kg wet	2.79						
Potassium	BRL	U	mg/kg wet	46.4						
Iron	BRL	U	mg/kg wet	1.86						
Nickel	BRL	U	mg/kg wet	0.929						
Manganese	BRL	U	mg/kg wet	0.929						
Sodium	BRL	U	mg/kg wet	23.2						
Selenium	BRL	U	mg/kg wet	1.39						
Zinc	BRL	U	mg/kg wet	0.929						
Vanadium	BRL	U	mg/kg wet	1.39						
Thallium	BRL	U	mg/kg wet	2.79						
Silver	BRL	U	mg/kg wet	1.39						
Aluminum	BRL	U	mg/kg wet	1.86						
Arsenic	BRL	U	mg/kg wet	4.18						
Chromium	BRL	U	mg/kg wet	0.929						
Beryllium	BRL	U	mg/kg wet	0.464						
Calcium	BRL	U	mg/kg wet	23.2						
Cobalt	BRL	U	mg/kg wet	0.929						
Cadmium	BRL	U	mg/kg wet	0.464						
Copper	BRL	U	mg/kg wet	0.929						
Barium	BRL	U	mg/kg wet	0.929						
Duplicate (7090697-DUP1) **Source: SA67825-01**										
Prepared: 12-Sep-07 Analyzed: 13-Sep-07										
Manganese	308	QR6	mg/kg dry	1.12		219			34	20
Iron	12000		mg/kg dry	2.25		10200			16	20
Sodium	436		mg/kg dry	28.1		443			2	20
Nickel	15.5		mg/kg dry	1.12		13.3			15	20
Thallium	BRL	U	mg/kg dry	3.37		BRL				20
Vanadium	20.1		mg/kg dry	1.69		17.9			12	20
Zinc	67.2		mg/kg dry	1.12		56.1			18	20
Potassium	1080		mg/kg dry	56.2		954			12	20
Magnesium	2450	QR5	mg/kg dry	5.62		1950			23	20
Lead	72.4	QR6	mg/kg dry	1.69		93.9			26	20
Selenium	0.489	J	mg/kg dry	1.69		0.534			9	20
Antimony	0.647	J	mg/kg dry	3.37		0.628			3	20
Cadmium	0.309	J	mg/kg dry	0.562		0.270			14	20
Beryllium	0.422	J	mg/kg dry	0.562		0.374			12	20
Chromium	15.8		mg/kg dry	1.12		13.0			20	20
Arsenic	4.43	J	mg/kg dry	5.06		3.88			13	20
Aluminum	6690		mg/kg dry	2.25		5750			15	20
Calcium	3700	QR6	mg/kg dry	28.1		2630			34	20
Cobalt	5.08		mg/kg dry	1.12		4.21			19	20
Copper	23.4		mg/kg dry	1.12		21.7			7	20
Silver	0.686	J	mg/kg dry	1.69		0.752			9	20
Barium	60.9		mg/kg dry	1.12		56.1			8	20
Matrix Spike (7090697-MS1) **Source: SA67825-02**										
Prepared: 12-Sep-07 Analyzed: 13-Sep-07										
Zinc	143		mg/kg dry	0.993	124	20.5	99	75-125		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090697 - SW846 3050B										
Matrix Spike (7090697-MS1) **Source: SA67825-02**										
Prepared: 12-Sep-07 Analyzed: 13-Sep-07										
Vanadium	133		mg/kg dry	1.49	124	14.2	96	75-125		
Selenium	121		mg/kg dry	1.49	124	BRL	97	75-125		
Potassium	2670		mg/kg dry	49.7	1240	1550	90	75-125		
Manganese	467	QM7	mg/kg dry	0.993	124	214	204	75-125		
Antimony	94.5		mg/kg dry	2.98	124	0.924	75	75-125		
Lead	117		mg/kg dry	1.49	124	4.17	91	75-125		
Thallium	112		mg/kg dry	2.98	124	BRL	90	75-125		
Iron	8180	QM2	mg/kg dry	1.99	124	8990	-659	75-125		
Sodium	1220	QM8	mg/kg dry	24.8	621	175	168	75-125		
Magnesium	5780	QM2	mg/kg dry	4.97	124	6090	-247	75-125		
Nickel	150		mg/kg dry	0.993	124	47.7	83	75-125		
Cadmium	116		mg/kg dry	0.497	124	0.177	93	75-125		
Cobalt	116		mg/kg dry	0.993	124	5.15	89	75-125		
Copper	129		mg/kg dry	0.993	124	10.9	95	75-125		
Calcium	3300	QM4X	mg/kg dry	24.8	621	1460	297	75-125		
Chromium	136		mg/kg dry	0.993	124	11.6	100	75-125		
Beryllium	119		mg/kg dry	0.497	124	0.211	95	75-125		
Aluminum	5980	QM2	mg/kg dry	1.99	124	3700	1830	75-125		
Silver	102		mg/kg dry	1.49	124	0.804	82	75-125		
Arsenic	119		mg/kg dry	4.47	124	2.03	94	75-125		
Barium	162		mg/kg dry	0.993	124	27.8	108	75-125		
Matrix Spike Dup (7090697-MSD1) **Source: SA67825-02**										
Prepared: 12-Sep-07 Analyzed: 13-Sep-07										
Thallium	112		mg/kg dry	2.98	124	BRL	90	75-125	0.4	35
Magnesium	7650	QM2	mg/kg dry	4.97	124	6090	1260	75-125	28	35
Selenium	121		mg/kg dry	1.49	124	BRL	98	75-125	0.6	35
Iron	9250	QM2	mg/kg dry	1.99	124	8990	207	75-125	12	35
Nickel	176		mg/kg dry	0.993	124	47.7	103	75-125	16	35
Antimony	92.5	QM8	mg/kg dry	2.98	124	0.924	74	75-125	2	35
Potassium	2970		mg/kg dry	49.7	1240	1550	114	75-125	11	35
Sodium	1350	QM8	mg/kg dry	24.8	621	175	189	75-125	10	35
Vanadium	136		mg/kg dry	1.49	124	14.2	98	75-125	2	35
Zinc	138		mg/kg dry	0.993	124	20.5	95	75-125	4	35
Lead	116		mg/kg dry	1.49	124	4.17	90	75-125	1	35
Manganese	397	QM7	mg/kg dry	0.993	124	214	147	75-125	16	35
Chromium	146		mg/kg dry	0.993	124	11.6	109	75-125	7	35
Cadmium	117		mg/kg dry	0.497	124	0.177	94	75-125	0.5	35
Calcium	3220	QM4X	mg/kg dry	24.8	621	1460	283	75-125	3	35
Copper	131		mg/kg dry	0.993	124	10.9	97	75-125	2	35
Beryllium	119		mg/kg dry	0.497	124	0.211	96	75-125	0.7	35
Aluminum	6320	QM2	mg/kg dry	1.99	124	3700	2110	75-125	6	35
Arsenic	120		mg/kg dry	4.47	124	2.03	95	75-125	0.7	35
Silver	106		mg/kg dry	1.49	124	0.804	85	75-125	4	35
Cobalt	118		mg/kg dry	0.993	124	5.15	91	75-125	2	35
Barium	164		mg/kg dry	0.993	124	27.8	110	75-125	2	35
Post Spike (7090697-PS1) **Source: SA67825-02**										
Prepared: 12-Sep-07 Analyzed: 13-Sep-07										
Lead	116		mg/kg dry	1.45	121	4.17	92	80-120		
Selenium	118		mg/kg dry	1.45	121	BRL	97	80-120		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090697 - SW846 3050B										
Post Spike (7090697-PS1) **Source: SA67825-02**										
Prepared: 12-Sep-07 Analyzed: 13-Sep-07										
Manganese	422	QC1	mg/kg dry	0.969	121	214	172	80-120		
Thallium	111		mg/kg dry	2.91	121	BRL	92	80-120		
Zinc	135		mg/kg dry	0.969	121	20.5	95	80-120		
Sodium	764		mg/kg dry	24.2	606	175	97	80-120		
Potassium	2160	QC1	mg/kg dry	48.4	1210	1550	51	80-120		
Antimony	112		mg/kg dry	2.91	121	0.924	92	80-120		
Vanadium	129		mg/kg dry	1.45	121	14.2	95	80-120		
Nickel	160		mg/kg dry	0.969	121	47.7	92	80-120		
Iron	7900	QM2	mg/kg dry	1.94	121	8990	-907	80-120		
Magnesium	6020	QM2	mg/kg dry	4.84	121	6090	-60	80-120		
Silver	102		mg/kg dry	1.45	121	0.804	84	80-120		
Chromium	128		mg/kg dry	0.969	121	11.6	96	80-120		
Arsenic	118		mg/kg dry	4.36	121	2.03	95	80-120		
Cobalt	115		mg/kg dry	0.969	121	5.15	91	80-120		
Cadmium	114		mg/kg dry	0.484	121	0.177	94	80-120		
Calcium	2240	QM4X	mg/kg dry	24.2	606	1460	129	80-120		
Aluminum	3930	QM2	mg/kg dry	1.94	121	3700	188	80-120		
Beryllium	118		mg/kg dry	0.484	121	0.211	97	80-120		
Copper	126		mg/kg dry	0.969	121	10.9	95	80-120		
Barium	147		mg/kg dry	0.969	121	27.8	99	80-120		
Reference (7090697-SRM1)										
Prepared: 12-Sep-07 Analyzed: 13-Sep-07										
Potassium	1690		mg/kg wet	50.0	1580		107	73.5-126.8		
Nickel	80.5		mg/kg wet	1.00	82.2		98	82.6-117.4		
Vanadium	97.1		mg/kg wet	1.50	98.6		98	77.4-123.1		
Selenium	93.6		mg/kg wet	1.50	87.5		107	77.6-123		
Sodium	698		mg/kg wet	25.0	700		100	64-136.4		
Antimony	46.5		mg/kg wet	3.00	67.3		69	0-210		
Lead	36.8		mg/kg wet	1.50	38.3		96	81.9-118.3		
Magnesium	1390		mg/kg wet	5.00	1480		93	78.2-121.8		
Iron	7360		mg/kg wet	2.00	8800		84	57.2-142.8		
Thallium	101		mg/kg wet	3.00	97.6		103	77.2-122.3		
Zinc	184		mg/kg wet	1.00	183		100	78.9-120.8		
Manganese	189		mg/kg wet	1.00	176		108	81.6-118.4		
Aluminum	5310		mg/kg wet	2.00	5520		96	61.2-138.5		
Calcium	3860		mg/kg wet	25.0	3880		100	80.7-119.3		
Arsenic	156		mg/kg wet	4.50	148		105	80.7-118.9		
Beryllium	28.4		mg/kg wet	0.500	27.0		105	83.1-116.9		
Cadmium	98.0		mg/kg wet	0.500	96.5		102	81.9-118.1		
Cobalt	58.4		mg/kg wet	1.00	58.3		100	82.2-118.2		
Copper	72.4		mg/kg wet	1.00	70.0		103	83.3-117.4		
Silver	69.4		mg/kg wet	1.50	66.8		104	66.4-134.1		
Chromium	77.4		mg/kg wet	1.00	75.3		103	81-119.7		
Barium	291		mg/kg wet	1.00	276		106	82.7-117.1		
Reference (7090697-SRM2)										
Prepared: 12-Sep-07 Analyzed: 13-Sep-07										
Iron	7400		mg/kg wet	2.00	8400		88	57.2-142.8		
Potassium	1650		mg/kg wet	50.0	1510		109	73.5-126.8		
Lead	35.8		mg/kg wet	1.50	36.5		98	81.9-118.3		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090697 - SW846 3050B										
Reference (7090697-SRM2)										
Prepared: 12-Sep-07 Analyzed: 13-Sep-07										
Zinc	179		mg/kg wet	1.00	175		102	78.9-120.8		
Antimony	46.8		mg/kg wet	3.00	64.3		73	0-210		
Magnesium	1340		mg/kg wet	5.00	1420		94	78.2-121.8		
Sodium	678		mg/kg wet	25.0	668		101	64-136.4		
Manganese	199	QC1	mg/kg wet	1.00	168		119	81.6-118.4		
Thallium	93.8		mg/kg wet	3.00	93.1		101	77.2-122.3		
Nickel	78.4		mg/kg wet	1.00	78.4		100	82.6-117.4		
Vanadium	95.0		mg/kg wet	1.50	94.1		101	77.4-123.1		
Selenium	90.6		mg/kg wet	1.50	83.5		108	77.6-123		
Calcium	3790		mg/kg wet	25.0	3700		102	80.7-119.3		
Cadmium	94.3		mg/kg wet	0.500	92.1		102	81.9-118.1		
Aluminum	5260		mg/kg wet	2.00	5260		100	61.2-138.5		
Silver	69.2		mg/kg wet	1.50	63.8		108	66.4-134.1		
Arsenic	153		mg/kg wet	4.50	142		108	80.7-118.9		
Cobalt	58.8		mg/kg wet	1.00	55.7		106	82.2-118.2		
Beryllium	27.6		mg/kg wet	0.500	25.8		107	83.1-116.9		
Copper	69.7		mg/kg wet	1.00	66.8		104	83.3-117.4		
Chromium	75.8		mg/kg wet	1.00	71.9		105	81-119.7		
Barium	278		mg/kg wet	1.00	263		106	82.7-117.1		
Batch 7090699 - EPA200/SW7000 Series										
Blank (7090699-BLK1)										
Prepared: 12-Sep-07 Analyzed: 13-Sep-07										
Mercury	BRL	U	mg/kg wet	0.0274						
Duplicate (7090699-DUP1) **Source: SA67825-01**										
Prepared: 12-Sep-07 Analyzed: 13-Sep-07										
Mercury	0.183		mg/kg dry	0.0355		0.167			9	20
Matrix Spike (7090699-MS1) **Source: SA67825-02**										
Prepared: 12-Sep-07 Analyzed: 13-Sep-07										
Mercury	0.517		mg/kg dry	0.0310		BRL		75-125		
Matrix Spike Dup (7090699-MSD1) **Source: SA67825-02**										
Prepared: 12-Sep-07 Analyzed: 13-Sep-07										
Mercury	0.475		mg/kg dry	0.0299		BRL		75-125	9	35
Post Spike (7090699-PS1) **Source: SA67825-02**										
Prepared: 12-Sep-07 Analyzed: 13-Sep-07										
Mercury	0.472		mg/kg dry	0.0307		BRL		85-115		
Reference (7090699-SRM1)										
Prepared: 12-Sep-07 Analyzed: 13-Sep-07										
Mercury	2.05		mg/kg wet	0.0300	2.22		92	66-132.1		

TCLP Metals by EPA 1311 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090568 - SW846 3010A										
Blank (7090568-BLK1)										
Prepared & Analyzed: 11-Sep-07										
Lead	BRL	U	mg/l	0.0150						
Selenium	0.0155	J	mg/l	0.0300						
Cadmium	0.0005	J	mg/l	0.0050						
Chromium	BRL	U	mg/l	0.0200						
Silver	0.0042	J	mg/l	0.0100						
Arsenic	0.0055	J	mg/l	0.0080						
Barium	BRL	U	mg/l	0.0100						
LCS (7090568-BS1)										
Prepared & Analyzed: 11-Sep-07										
Lead	2.53		mg/l	0.0150	2.50		101	76.8-112		
Selenium	2.53		mg/l	0.0300	2.50		101	76.7-121		
Arsenic	2.45		mg/l	0.0080	2.50		98	73.8-119		
Cadmium	2.54		mg/l	0.0050	2.50		102	80.1-118		
Silver	2.98		mg/l	0.0100	2.50		119	77.6-121		
Chromium	2.43		mg/l	0.0200	2.50		97	77.4-118		
Barium	2.57		mg/l	0.0100	2.50		103	71.7-119		
LCS Dup (7090568-BSD1)										
Prepared & Analyzed: 11-Sep-07										
Lead	2.39		mg/l	0.0150	2.50		96	76.8-112	6	20
Selenium	2.40		mg/l	0.0300	2.50		96	76.7-121	5	20
Chromium	2.32		mg/l	0.0200	2.50		93	77.4-118	5	20
Silver	2.83		mg/l	0.0100	2.50		113	77.6-121	5	104
Cadmium	2.41		mg/l	0.0050	2.50		97	80.1-118	5	20
Arsenic	2.32		mg/l	0.0080	2.50		93	73.8-119	5	20
Barium	2.45		mg/l	0.0100	2.50		98	71.7-119	5	20
Duplicate (7090568-DUP1) **Source: SA67825-03**										
Prepared & Analyzed: 11-Sep-07										
Lead	0.0554		mg/l	0.0150		0.0650			16	20
Selenium	BRL	U	mg/l	0.0300		BRL				20
Chromium	0.0140	J	mg/l	0.0200		0.0166			17	20
Arsenic	BRL	U	mg/l	0.0080		BRL				20
Cadmium	0.0029	J	mg/l	0.0050		0.0027			7	20
Silver	BRL	U	mg/l	0.0100		BRL				20
Barium	0.399		mg/l	0.0100		0.439			9	20
Matrix Spike (7090568-MS1) **Source: SA67818-01**										
Prepared & Analyzed: 11-Sep-07										
Selenium	2.51		mg/l	0.0300	2.50	0.0143	100	74.2-124		
Lead	2.52		mg/l	0.0150	2.50	0.0483	99	69.8-117		
Cadmium	2.48		mg/l	0.0050	2.50	0.0111	99	74.3-119		
Arsenic	2.45		mg/l	0.0080	2.50	0.0055	98	71.3-122		
Silver	2.99		mg/l	0.0100	2.50	BRL	120	73.1-126		
Chromium	2.38		mg/l	0.0200	2.50	0.0124	95	71.1-123		
Barium	2.72		mg/l	0.0100	2.50	0.171	102	66.4-122		
Matrix Spike Dup (7090568-MSD1) **Source: SA67818-01**										
Prepared & Analyzed: 11-Sep-07										
Selenium	2.50		mg/l	0.0300	2.50	0.0143	99	74.2-124	0.5	35
Lead	2.52		mg/l	0.0150	2.50	0.0483	99	69.8-117	0.2	35

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090568 - SW846 3010A										
Matrix Spike Dup (7090568-MSD1) **Source: SA67818-01**										
Prepared & Analyzed: 11-Sep-07										
Chromium	2.37		mg/l	0.0200	2.50	0.0124	94	71.1-123	0.6	35
Cadmium	2.46		mg/l	0.0050	2.50	0.0111	98	74.3-119	0.6	35
Arsenic	2.44		mg/l	0.0080	2.50	0.0055	97	71.3-122	0.7	35
Silver	2.99		mg/l	0.0100	2.50	BRL	120	73.1-126	0	35
Barium	2.70		mg/l	0.0100	2.50	0.171	101	66.4-122	0.6	35
Post Spike (7090568-PS1) **Source: SA67818-01**										
Prepared & Analyzed: 11-Sep-07										
Selenium	2.51		mg/l	0.0300	2.50	0.0143	100	76.2-126		
Lead	2.55		mg/l	0.0150	2.50	0.0483	100	68.7-121		
Cadmium	2.49		mg/l	0.0050	2.50	0.0111	99	74.9-122		
Silver	3.04		mg/l	0.0100	2.50	BRL	121	75.9-129		
Arsenic	2.45		mg/l	0.0080	2.50	0.0055	98	72.8-125		
Chromium	2.40		mg/l	0.0200	2.50	0.0124	95	72.4-126		
Barium	2.71		mg/l	0.0100	2.50	0.171	102	71.5-120		
Batch 7090570 - EPA200/SW7000 Series										
Blank (7090570-BLK1)										
Prepared: 11-Sep-07 Analyzed: 12-Sep-07										
Mercury	BRL	U	mg/l	0.00020						
LCS (7090570-BS1)										
Prepared: 11-Sep-07 Analyzed: 12-Sep-07										
Mercury	0.00412		mg/l	0.00020	0.00500		82	57-119		
Duplicate (7090570-DUP1) **Source: SA67825-03**										
Prepared: 11-Sep-07 Analyzed: 12-Sep-07										
Mercury	BRL	U	mg/l	0.00020		BRL				20
Matrix Spike (7090570-MS1) **Source: SA67818-01**										
Prepared: 11-Sep-07 Analyzed: 12-Sep-07										
Mercury	0.00366		mg/l	0.00020	0.00500	BRL	73	54.7-121		
Matrix Spike Dup (7090570-MSD1) **Source: SA67818-01**										
Prepared: 11-Sep-07 Analyzed: 12-Sep-07										
Mercury	0.00355		mg/l	0.00020	0.00500	BRL	71	54.7-121	3	35
Post Spike (7090570-PS1) **Source: SA67818-01**										
Prepared: 11-Sep-07 Analyzed: 12-Sep-07										
Mercury	0.00332		mg/l	0.00020	0.00500	BRL	66	54.5-122		

Toxicity Characteristics - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090494 - General Preparation										
Duplicate (7090494-DUP1) **Source: SA67882-01**										
Prepared & Analyzed: 10-Sep-07										
pH	7.45		pH Units			7.44			0.1	5
Reference (7090494-SRM1)										
Prepared & Analyzed: 10-Sep-07										
pH	7.02		pH Units		7.00		100	90-110		
Batch 7090680 - General Preparation										
Duplicate (7090680-DUP1) **Source: SA67825-03**										
Prepared & Analyzed: 12-Sep-07										
Ignitability by Definition	Negative		N/A			Negative				35
Batch 7090770 - General Preparation										
Blank (7090770-BLK1)										
Prepared & Analyzed: 13-Sep-07										
Reactivity	Negative		mg/kg wet							
Reactive Cyanide	BRL	U	mg/kg wet	25.0						
Reactive Sulfide	BRL	U	mg/kg wet	50.0						
Duplicate (7090770-DUP1) **Source: SA67825-03**										
Prepared & Analyzed: 13-Sep-07										
Reactivity	Negative		mg/kg dry			Negative				200
Reactive Cyanide	BRL	U	mg/kg dry	25.0		BRL				20
Reactive Sulfide	9.35	QR5, J	mg/kg dry	49.9		14.0			40	20

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7090632 - General Preparation										
Duplicate (7090632-DUP1)	**Source: SA67870-03**									
Prepared & Analyzed: 12-Sep-07										
% Solids	92.9		%			92.2			0.8	20
Batch 7090820 - SW846 9010										
Blank (7090820-BLK1)										
Prepared & Analyzed: 14-Sep-07										
Cyanide (total)	BRL	U	mg/kg wet	1.00						
LCS (7090820-BS1)										
Prepared & Analyzed: 14-Sep-07										
Cyanide (total)	27.4		mg/kg wet	1.00	30.0		91	90-110		
LCS (7090820-BS2)										
Prepared & Analyzed: 14-Sep-07										
Cyanide (total)	77.5		mg/kg wet	1.00	80.0		97	90-110		
Duplicate (7090820-DUP1)	**Source: SA67825-02**									
Prepared & Analyzed: 14-Sep-07										
Cyanide (total)	BRL	U	mg/kg dry	1.09		BRL				35
Matrix Spike (7090820-MS1)	**Source: SA67825-02**									
Prepared & Analyzed: 14-Sep-07										
Cyanide (total)	23.1	QM7	mg/kg dry	1.05	10.5	BRL	221	90-110		
Matrix Spike Dup (7090820-MSD1)	**Source: SA67825-02**									
Prepared & Analyzed: 14-Sep-07										
Cyanide (total)	16.3	QM7	mg/kg dry	0.934	9.34	BRL	175	90-110	35	35
Post Spike (7090820-PS1)	**Source: SA67825-02**									
Prepared & Analyzed: 14-Sep-07										
Cyanide (total)	0.101		mg/kg dry		0.100	0.00158	99	75-125		
Reference (7090820-SRM1)										
Prepared & Analyzed: 14-Sep-07										
Cyanide (total)	BRL	QL1, U	mg/kg wet	3.15	85.1			35.7-145.7		

Notes and Definitions

J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
pHHT	A hold time of 24 hours has been set to expedite the analyses through the laboratory. However, the hold time for pH is not specified within the method other than to state that the samples should be analyzed as soon as possible.
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QL1	Sample results for the QC batch were accepted based on LCS/LCSD percent recoveries and RPD values.
QM1	The spike recovery for this QC sample is outside of established control limits due to sample matrix interference.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
QM4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.
QR5	RPD out of acceptance range.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
R05	Elevated Reporting Limits due to the presence of high levels of non-target analytes.
U	Analyte included in the analysis, but not detected
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

SA67825 ⓡ

SPECTRUM ANALYTICAL, INC.
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CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3-day
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: JAMIE BARR
LANGAN ENGINEERING
300 W 31ST ST
NEW YORK NY 10001
Project Mgr.: TAREK KHOURI

Invoice To: (SAME)
P.O. No.: RQN:

Project No.: 51162901
Site Name: 166-218 MYRTLE AVENUE
Location: BROOKLYN State: NY
Sampler(s): H. GATZOULIS & A. WREN

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☐ Standard ☐ No QC ☑ Other NYS CAT B

State specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	NYSDEC TAGM 4046	TCLP VOCs	TCLP SVOCs	TCLP METALS	TCLP PESTICIDES	TCLP HERBICIDES	REACTIVITY (ENG)	CORROSIVITY (Lab Chem)	IGNITABILITY
67825-01	LEG21b50-2	090707	1045	G	SO	Ø		1			X								
-02	LEG21b-22-24	090707	1535	G	SO	Ø		1			X	X							
-03	LEG21b-WC1	090707	1542	C	SO	Ø		2					X	X	X	X	X	X	X

☐ Fax results when available to (____)
☒ E-mail to jbarr@langan.com
EDD Format excel, pdf, equis
Condition upon receipt: ☑ Iced ☐ Ambient ☐ °C 2

Relinquished by:	Received by:	Date:	Time:
[signature]		9/7/07	16:00
[signature]	[signature]	9/8/07	915

Report Date:
18-Jun-07 17:41

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: 166-216 Myrtle Ave-Brooklyn, NY
Project 5762901

Laboratory ID	Client Sample ID	Container	Matrix	Date Sampled	Date Received
SA63629-01	SV-C-061207	Summa canister	Air	12-Jun-07 14:08	14-Jun-07 19:20
SA63629-02	SV-E-061207	Summa canister	Air	12-Jun-07 14:27	14-Jun-07 19:20
SA63629-03	SV-F-061207	Summa canister	Air	12-Jun-07 14:41	14-Jun-07 19:20
SA63629-04	SV-G-061207	Summa canister	Air	12-Jun-07 14:58	14-Jun-07 19:20
SA63629-05	SV-22-061207	Summa canister	Air	12-Jun-07 15:02	14-Jun-07 19:20
SA63629-06	SV-AO-061207	Summa canister	Air	12-Jun-07 15:38	14-Jun-07 19:20
SA63629-07	SV-A-061307	Summa canister	Air	13-Jun-07 10:30	14-Jun-07 19:20
SA63629-08	SV-AI-061307	Summa canister	Air	13-Jun-07 10:30	14-Jun-07 19:20
SA63629-09	SV-B-061307	Summa canister	Air	13-Jun-07 10:30	14-Jun-07 19:20

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 27 pages of analytical data plus Chain of Custody document(s).
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Massachusetts Certification # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NH-2972, NY-11840, FL-E87936 and NJ-MA012).

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-C-061207 SA63629-01	5762901	Air	12-Jun-07 14:08	14-Jun-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 15-Jun-07***							
115-07-1	Propene	BRL	0.500	BRL	0.9	U	EPA TO-15	16-Jun-07	7061338	WB
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	0.500	BRL	2.5	U	"	"	"	"
74-87-3	Chloromethane	BRL	0.500	BRL	1.0	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500	BRL	3.5	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	0.500	BRL	1.3	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	0.500	BRL	1.1	U	"	"	"	"
74-83-9	Bromomethane	BRL	0.500	BRL	1.9	U	"	"	"	"
75-00-3	Chloroethane	BRL	0.500	BRL	1.3	U	"	"	"	"
67-64-1	Acetone	4.66	0.500	11.1	1.2			"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	1.24	0.500	7.0	2.8			"	"	"
64-17-5	Ethanol	BRL	0.500	BRL	0.9	U	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	0.500	BRL	2.0	U	"	"	"	"
75-09-2	Methylene chloride	BRL	0.500	BRL	1.7	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500	BRL	3.8	U	"	"	"	"
75-15-0	Carbon disulfide	0.480	0.500	1.5	1.6	J	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	0.500	BRL	2.0	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	0.500	BRL	2.0	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	0.500	BRL	1.8	U	"	"	"	"
67-63-0	Isopropyl alcohol	BRL	0.500	BRL	1.2	U	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	0.500	BRL	1.5	U	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	0.500	BRL	2.0	U	"	"	"	"
110-54-3	Hexane	BRL	0.500	BRL	1.8	U	"	"	"	"
141-78-6	Ethyl acetate	BRL	0.500	BRL	1.8	U	"	"	"	"
67-66-3	Chloroform	3.55	0.500	17.3	2.4			"	"	"
109-99-9	Tetrahydrofuran	BRL	0.500	BRL	1.5	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	0.500	BRL	2.0	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	0.500	BRL	2.7	U	"	"	"	"
71-43-2	Benzene	BRL	0.500	BRL	1.6	U	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	0.500	BRL	3.2	U	"	"	"	"
110-82-7	Cyclohexane	BRL	0.500	BRL	1.7	U	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	0.500	BRL	2.3	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	0.500	BRL	3.4	U	"	"	"	"
79-01-6	Trichloroethene	0.620	0.500	3.3	2.7			"	"	"
142-82-5	n-Heptane	BRL	0.500	BRL	2.1	U	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500	BRL	2.1	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500	BRL	2.3	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500	BRL	2.3	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	0.500	BRL	2.7	U	"	"	"	"
108-88-3	Toluene	5.53	0.500	20.8	1.9			"	"	"
591-78-6	2-Hexanone (MBK)	BRL	0.500	BRL	2.1	U	"	"	"	"
124-48-1	Dibromochloromethane	BRL	0.500	BRL	4.3	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500	BRL	3.8	U	"	"	"	"
127-18-4	Tetrachloroethene	41.5	0.500	281.0	3.4			"	"	"
108-90-7	Chlorobenzene	BRL	0.500	BRL	2.3	U	"	"	"	"
100-41-4	Ethylbenzene	0.760	0.500	3.3	2.2			"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-C-061207 SA63629-01	5762901	Air	12-Jun-07 14:08	14-Jun-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 15-Jun-07***							
1330-20-7	m,p-Xylene	2.76	1.00	12.0	4.3			16-Jun-07	7061338	WB
75-25-2	Bromoform	BRL	0.500	BRL	5.2	U	"	"	"	"
100-42-5	Styrene	1.30	0.500	5.5	2.1			"	"	"
95-47-6	o-Xylene	1.11	0.500	4.8	2.2			"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500	BRL	3.4	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	0.560	0.500	2.8	2.5			"	"	"
622-96-8	4-Ethyltoluene	0.640	0.500	3.2	2.5			"	"	"
95-63-6	1,2,4-Trimethylbenzene	2.07	0.500	10.2	2.5			"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	0.500	BRL	3.0	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	0.500	BRL	2.6	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	0.750	0.500	4.5	3.0			"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	0.500	BRL	3.0	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500	BRL	3.7	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	0.500	BRL	5.3	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*148*	*75-125 %*			R05	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-E-061207 SA63629-02	5762901	Air	12-Jun-07 14:27	14-Jun-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 15-Jun-07***							
115-07-1	Propene	BRL	0.500	BRL	0.9	U	EPA TO-15	16-Jun-07	7061338	WB
75-71-8	Dichlorodifluoromethane (Freon12)	0.450	0.500	2.2	2.5	J	"	"	"	"
74-87-3	Chloromethane	BRL	0.500	BRL	1.0	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500	BRL	3.5	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	0.500	BRL	1.3	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	0.500	BRL	1.1	U	"	"	"	"
74-83-9	Bromomethane	BRL	0.500	BRL	1.9	U	"	"	"	"
75-00-3	Chloroethane	BRL	0.500	BRL	1.3	U	"	"	"	"
67-64-1	Acetone	2.02	0.500	4.8	1.2			"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	0.800	0.500	4.5	2.8			"	"	"
64-17-5	Ethanol	BRL	0.500	BRL	0.9	U	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	0.500	BRL	2.0	U	"	"	"	"
75-09-2	Methylene chloride	BRL	0.500	BRL	1.7	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500	BRL	3.8	U	"	"	"	"
75-15-0	Carbon disulfide	BRL	0.500	BRL	1.6	U	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	0.500	BRL	2.0	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	0.500	BRL	2.0	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	0.500	BRL	1.8	U	"	"	"	"
67-63-0	Isopropyl alcohol	BRL	0.500	BRL	1.2	U	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	0.500	BRL	1.5	U	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	0.500	BRL	2.0	U	"	"	"	"
110-54-3	Hexane	BRL	0.500	BRL	1.8	U	"	"	"	"
141-78-6	Ethyl acetate	BRL	0.500	BRL	1.8	U	"	"	"	"
67-66-3	Chloroform	4.33	0.500	21.1	2.4			"	"	"
109-99-9	Tetrahydrofuran	BRL	0.500	BRL	1.5	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	0.500	BRL	2.0	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	0.500	BRL	2.7	U	"	"	"	"
71-43-2	Benzene	BRL	0.500	BRL	1.6	U	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	0.500	BRL	3.2	U	"	"	"	"
110-82-7	Cyclohexane	BRL	0.500	BRL	1.7	U	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	0.500	BRL	2.3	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	0.500	BRL	3.4	U	"	"	"	"
79-01-6	Trichloroethene	BRL	0.500	BRL	2.7	U	"	"	"	"
142-82-5	n-Heptane	BRL	0.500	BRL	2.1	U	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500	BRL	2.1	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500	BRL	2.3	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500	BRL	2.3	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	0.500	BRL	2.7	U	"	"	"	"
108-88-3	Toluene	3.41	0.500	12.8	1.9			"	"	"
591-78-6	2-Hexanone (MBK)	BRL	0.500	BRL	2.1	U	"	"	"	"
124-48-1	Dibromochloromethane	BRL	0.500	BRL	4.3	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500	BRL	3.8	U	"	"	"	"
127-18-4	Tetrachloroethene	62.1	0.500	421.0	3.4			"	"	"
108-90-7	Chlorobenzene	BRL	0.500	BRL	2.3	U	"	"	"	"
100-41-4	Ethylbenzene	0.680	0.500	3.0	2.2			"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-E-061207 SA63629-02	5762901	Air	12-Jun-07 14:27	14-Jun-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 15-Jun-07***							
1330-20-7	m,p-Xylene	2.34	1.00	10.1	4.3			16-Jun-07	7061338	WB
75-25-2	Bromoform	BRL	0.500	BRL	5.2	U	"	"	"	"
100-42-5	Styrene	1.14	0.500	4.9	2.1			"	"	"
95-47-6	o-Xylene	0.920	0.500	4.0	2.2			"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500	BRL	3.4	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	0.480	0.500	2.4	2.5	J	"	"	"	"
622-96-8	4-Ethyltoluene	0.470	0.500	2.3	2.5	J	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	1.77	0.500	8.7	2.5			"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	0.500	BRL	3.0	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	0.500	BRL	2.6	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	0.680	0.500	4.1	3.0			"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	0.500	BRL	3.0	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500	BRL	3.7	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	0.500	BRL	5.3	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*92*	*75-125 %*					"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-F-061207 SA63629-03	5762901	Air	12-Jun-07 14:41	14-Jun-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 15-Jun-07***							
115-07-1	Propene	0.750	0.500	1.3	0.9			16-Jun-07	7061338	WB
75-71-8	Dichlorodifluoromethane (Freon12)	1.26	0.500	6.2	2.5			"	"	"
74-87-3	Chloromethane	BRL	0.500	BRL	1.0	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500	BRL	3.5	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	0.500	BRL	1.3	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	0.500	BRL	1.1	U	"	"	"	"
74-83-9	Bromomethane	BRL	0.500	BRL	1.9	U	"	"	"	"
75-00-3	Chloroethane	BRL	0.500	BRL	1.3	U	"	"	"	"
67-64-1	Acetone	9.89	0.500	23.5	1.2			"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	3.89	0.500	21.9	2.8			"	"	"
64-17-5	Ethanol	BRL	0.500	BRL	0.9	U	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	0.500	BRL	2.0	U	"	"	"	"
75-09-2	Methylene chloride	BRL	0.500	BRL	1.7	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500	BRL	3.8	U	"	"	"	"
75-15-0	Carbon disulfide	0.690	0.500	2.2	1.6			"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	0.500	BRL	2.0	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	0.500	BRL	2.0	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	0.500	BRL	1.8	U	"	"	"	"
67-63-0	Isopropyl alcohol	BRL	0.500	BRL	1.2	U	"	"	"	"
78-93-3	2-Butanone (MEK)	1.92	0.500	5.7	1.5			"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	0.500	BRL	2.0	U	"	"	"	"
110-54-3	Hexane	BRL	0.500	BRL	1.8	U	"	"	"	"
141-78-6	Ethyl acetate	BRL	0.500	BRL	1.8	U	"	"	"	"
67-66-3	Chloroform	BRL	0.500	BRL	2.4	U	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	0.500	BRL	1.5	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	0.500	BRL	2.0	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	0.500	BRL	2.7	U	"	"	"	"
71-43-2	Benzene	BRL	0.500	BRL	1.6	U	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	0.500	BRL	3.2	U	"	"	"	"
110-82-7	Cyclohexane	BRL	0.500	BRL	1.7	U	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	0.500	BRL	2.3	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	0.500	BRL	3.4	U	"	"	"	"
79-01-6	Trichloroethene	BRL	0.500	BRL	2.7	U	"	"	"	"
142-82-5	n-Heptane	BRL	0.500	BRL	2.1	U	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500	BRL	2.1	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500	BRL	2.3	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500	BRL	2.3	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	0.500	BRL	2.7	U	"	"	"	"
108-88-3	Toluene	3.79	0.500	14.3	1.9			"	"	"
591-78-6	2-Hexanone (MBK)	0.320	0.500	1.3	2.1	J	"	"	"	"
124-48-1	Dibromochloromethane	BRL	0.500	BRL	4.3	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500	BRL	3.8	U	"	"	"	"
127-18-4	Tetrachloroethene	26.4	0.500	179.0	3.4			"	"	"
108-90-7	Chlorobenzene	BRL	0.500	BRL	2.3	U	"	"	"	"
100-41-4	Ethylbenzene	0.820	0.500	3.6	2.2			"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-F-061207 SA63629-03	5762901	Air	12-Jun-07 14:41	14-Jun-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 15-Jun-07***							
1330-20-7	m,p-Xylene	2.81	1.00	12.2	4.3			16-Jun-07	7061338	WB
75-25-2	Bromoform	BRL	0.500	BRL	5.2	U	"	"	"	"
100-42-5	Styrene	1.31	0.500	5.6	2.1			"	"	"
95-47-6	o-Xylene	1.08	0.500	4.7	2.2			"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500	BRL	3.4	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	0.550	0.500	2.7	2.5			"	"	"
622-96-8	4-Ethyltoluene	0.550	0.500	2.7	2.5			"	"	"
95-63-6	1,2,4-Trimethylbenzene	1.93	0.500	9.5	2.5			"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	0.500	BRL	3.0	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	0.500	BRL	2.6	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	0.660	0.500	4.0	3.0			"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	0.500	BRL	3.0	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500	BRL	3.7	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	0.500	BRL	5.3	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*92*	*75-125 %*					"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-G-061207	5762901	Air	12-Jun-07 14:58	14-Jun-07
SA63629-04				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 17-Jun-07***							
115-07-1	Propene	10.2	2.00	17.6	3.4			18-Jun-07	7061334	WB
75-71-8	Dichlorodifluoromethane (Freon12)	27.4	2.00	135.0	9.9			"	"	"
74-87-3	Chloromethane	BRL	2.00	BRL	4.1	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.00	BRL	14.0	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	2.00	BRL	5.1	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	2.00	BRL	4.4	U	"	"	"	"
74-83-9	Bromomethane	BRL	2.00	BRL	7.8	U	"	"	"	"
75-00-3	Chloroethane	3.00	2.00	7.9	5.3			"	"	"
67-64-1	Acetone	19.1	2.00	45.4	4.8			"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	22.2	2.00	125.0	11.2			"	"	"
64-17-5	Ethanol	BRL	2.00	BRL	3.8	U	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	2.00	BRL	7.9	U	"	"	"	"
75-09-2	Methylene chloride	BRL	2.00	BRL	6.9	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.00	BRL	15.3	U	"	"	"	"
75-15-0	Carbon disulfide	9.12	2.00	28.4	6.2			"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	2.00	BRL	7.9	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	2.00	BRL	8.1	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	2.00	BRL	7.2	U	"	"	"	"
67-63-0	Isopropyl alcohol	BRL	2.00	BRL	4.9	U	"	"	"	"
78-93-3	2-Butanone (MEK)	1.88	2.00	5.5	5.9	J	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	2.00	BRL	7.9	U	"	"	"	"
110-54-3	Hexane	BRL	2.00	BRL	7.1	U	"	"	"	"
141-78-6	Ethyl acetate	BRL	2.00	BRL	7.2	U	"	"	"	"
67-66-3	Chloroform	185	2.00	900.0	9.7			"	"	"
109-99-9	Tetrahydrofuran	BRL	2.00	BRL	5.9	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	2.00	BRL	8.1	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	2.00	BRL	10.9	U	"	"	"	"
71-43-2	Benzene	BRL	2.00	BRL	6.4	U	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	2.00	BRL	12.6	U	"	"	"	"
110-82-7	Cyclohexane	1.48	2.00	5.1	6.9	J	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	2.00	BRL	9.2	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	2.00	BRL	13.4	U	"	"	"	"
79-01-6	Trichloroethene	BRL	2.00	BRL	10.7	U	"	"	"	"
142-82-5	n-Heptane	BRL	2.00	BRL	8.2	U	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.00	BRL	8.2	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	2.00	BRL	9.1	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	2.00	BRL	9.1	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	2.00	BRL	10.9	U	"	"	"	"
108-88-3	Toluene	7.00	2.00	26.3	7.5			"	"	"
591-78-6	2-Hexanone (MBK)	BRL	2.00	BRL	8.2	U	"	"	"	"
124-48-1	Dibromochloromethane	BRL	2.00	BRL	17.0	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.00	BRL	15.4	U	"	"	"	"
127-18-4	Tetrachloroethene	15.3	2.00	104.0	13.6			"	"	"
108-90-7	Chlorobenzene	1.68	2.00	7.7	9.2	J	"	"	"	"
100-41-4	Ethylbenzene	1.68	2.00	7.3	8.7	J	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-G-061207 SA63629-04	5762901	Air	12-Jun-07 14:58	14-Jun-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 17-Jun-07***							
1330-20-7	m,p-Xylene	8.52	4.00	36.9	17.3			18-Jun-07	7061334	WB
75-25-2	Bromoform	BRL	2.00	BRL	20.7	U	"	"	"	"
100-42-5	Styrene	BRL	2.00	BRL	8.5	U	"	"	"	"
95-47-6	o-Xylene	3.32	2.00	14.4	8.7			"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.00	BRL	13.7	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	1.36	2.00	6.7	9.8	J	"	"	"	"
622-96-8	4-Ethyltoluene	2.68	2.00	13.2	9.8			"	"	"
95-63-6	1,2,4-Trimethylbenzene	2.64	2.00	13.0	9.8			"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	2.00	BRL	12.0	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	2.00	BRL	10.3	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	2.00	BRL	12.0	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	2.00	BRL	12.0	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	2.00	BRL	14.8	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	2.00	BRL	21.3	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*85*	*75-125 %*					"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-22-061207 SA63629-05	5762901	Air	12-Jun-07 15:02	14-Jun-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 15-Jun-07***							
115-07-1	Propene	155	10.0	267.0	17.2			16-Jun-07	7061338	WB
75-71-8	Dichlorodifluoromethane (Freon12)	14.4	10.0	71.2	49.4			"	"	"
74-87-3	Chloromethane	BRL	10.0	BRL	20.7	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	10.0	BRL	69.9	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	10.0	BRL	25.6	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	10.0	BRL	22.1	U	"	"	"	"
74-83-9	Bromomethane	BRL	10.0	BRL	38.8	U	"	"	"	"
75-00-3	Chloroethane	BRL	10.0	BRL	26.4	U	"	"	"	"
67-64-1	Acetone	1070	10.0	2540.0	23.8			"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	14.2	10.0	79.8	56.2			"	"	"
64-17-5	Ethanol	180	10.0	339.0	18.9			"	"	"
75-35-4	1,1-Dichloroethene	BRL	10.0	BRL	39.7	U	"	"	"	"
75-09-2	Methylene chloride	BRL	10.0	BRL	34.7	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	10.0	BRL	76.6	U	"	"	"	"
75-15-0	Carbon disulfide	BRL	10.0	BRL	31.1	U	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	10.0	BRL	39.7	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	10.0	BRL	40.5	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	10.0	BRL	36.1	U	"	"	"	"
67-63-0	Isopropyl alcohol	42.8	10.0	105.0	24.5			"	"	"
78-93-3	2-Butanone (MEK)	202	10.0	596.0	29.5			"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	10.0	BRL	39.7	U	"	"	"	"
110-54-3	Hexane	BRL	10.0	BRL	35.3	U	"	"	"	"
141-78-6	Ethyl acetate	BRL	10.0	BRL	36.0	U	"	"	"	"
67-66-3	Chloroform	BRL	10.0	BRL	48.7	U	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	10.0	BRL	29.5	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	10.0	BRL	40.5	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	10.0	BRL	54.6	U	"	"	"	"
71-43-2	Benzene	BRL	10.0	BRL	31.9	U	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	10.0	BRL	62.9	U	"	"	"	"
110-82-7	Cyclohexane	BRL	10.0	BRL	34.4	U	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	10.0	BRL	46.2	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	10.0	BRL	67.0	U	"	"	"	"
79-01-6	Trichloroethene	BRL	10.0	BRL	53.7	U	"	"	"	"
142-82-5	n-Heptane	BRL	10.0	BRL	41.0	U	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	10.0	BRL	41.0	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	10.0	BRL	45.4	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	10.0	BRL	45.4	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	10.0	BRL	54.6	U	"	"	"	"
108-88-3	Toluene	20.4	10.0	76.8	37.6			"	"	"
591-78-6	2-Hexanone (MBK)	45.4	10.0	186.0	41.0			"	"	"
124-48-1	Dibromochloromethane	BRL	10.0	BRL	85.2	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	10.0	BRL	76.9	U	"	"	"	"
127-18-4	Tetrachloroethene	24.4	10.0	165.0	67.8			"	"	"
108-90-7	Chlorobenzene	BRL	10.0	BRL	46.1	U	"	"	"	"
100-41-4	Ethylbenzene	BRL	10.0	BRL	43.4	U	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-22-061207 SA63629-05	5762901	Air	12-Jun-07 15:02	14-Jun-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 15-Jun-07***							
1330-20-7	m,p-Xylene	BRL	20.0	BRL	86.7	U	EPA TO-15	16-Jun-07	7061338	WB
75-25-2	Bromoform	BRL	10.0	BRL	103.0	U	"	"	"	"
100-42-5	Styrene	BRL	10.0	BRL	42.5	U	"	"	"	"
95-47-6	o-Xylene	BRL	10.0	BRL	43.4	U	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	10.0	BRL	68.7	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	10.0	BRL	49.2	U	"	"	"	"
622-96-8	4-Ethyltoluene	BRL	10.0	BRL	49.2	U	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	10.0	BRL	49.2	U	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	10.0	BRL	60.1	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	10.0	BRL	51.5	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	10.0	BRL	60.1	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	10.0	BRL	60.1	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	10.0	BRL	74.2	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	10.0	BRL	107.0	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*94*	*75-125 %*					"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-AO-061207	5762901	Air	12-Jun-07 15:38	14-Jun-07
SA63629-06				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 15-Jun-07***			**R05**				
115-07-1	Propene	2.00	1.00	3.4	1.7			16-Jun-07	7061338	WB
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	1.00	BRL	4.9	U	"	"	"	"
74-87-3	Chloromethane	BRL	1.00	BRL	2.1	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	1.00	BRL	7.0	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	1.00	BRL	2.6	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	1.00	BRL	2.2	U	"	"	"	"
74-83-9	Bromomethane	BRL	1.00	BRL	3.9	U	"	"	"	"
75-00-3	Chloroethane	BRL	1.00	BRL	2.6	U	"	"	"	"
67-64-1	Acetone	8.18	1.00	19.4	2.4			"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	1.00	BRL	5.6	U	"	"	"	"
64-17-5	Ethanol	13.1	1.00	24.7	1.9			"	"	"
75-35-4	1,1-Dichloroethene	BRL	1.00	BRL	4.0	U	"	"	"	"
75-09-2	Methylene chloride	BRL	1.00	BRL	3.5	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	1.00	BRL	7.7	U	"	"	"	"
75-15-0	Carbon disulfide	BRL	1.00	BRL	3.1	U	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	1.00	BRL	4.0	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	1.00	BRL	4.1	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	1.00	BRL	3.6	U	"	"	"	"
67-63-0	Isopropyl alcohol	1.32	1.00	3.2	2.5			"	"	"
78-93-3	2-Butanone (MEK)	1.48	1.00	4.4	3.0			"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	1.00	BRL	4.0	U	"	"	"	"
110-54-3	Hexane	BRL	1.00	BRL	3.5	U	"	"	"	"
141-78-6	Ethyl acetate	BRL	1.00	BRL	3.6	U	"	"	"	"
67-66-3	Chloroform	BRL	1.00	BRL	4.9	U	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	1.00	BRL	3.0	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	1.00	BRL	4.1	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	1.00	BRL	5.5	U	"	"	"	"
71-43-2	Benzene	BRL	1.00	BRL	3.2	U	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	1.00	BRL	6.3	U	"	"	"	"
110-82-7	Cyclohexane	BRL	1.00	BRL	3.4	U	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	1.00	BRL	4.6	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	1.00	BRL	6.7	U	"	"	"	"
79-01-6	Trichloroethene	BRL	1.00	BRL	5.4	U	"	"	"	"
142-82-5	n-Heptane	BRL	1.00	BRL	4.1	U	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	1.00	BRL	4.1	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	1.00	BRL	4.5	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	1.00	BRL	4.5	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	1.00	BRL	5.5	U	"	"	"	"
108-88-3	Toluene	9.58	1.00	36.0	3.8			"	"	"
591-78-6	2-Hexanone (MBK)	0.640	1.00	2.6	4.1	J	"	"	"	"
124-48-1	Dibromochloromethane	BRL	1.00	BRL	8.5	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.00	BRL	7.7	U	"	"	"	"
127-18-4	Tetrachloroethene	BRL	1.00	BRL	6.8	U	"	"	"	"
108-90-7	Chlorobenzene	BRL	1.00	BRL	4.6	U	"	"	"	"
100-41-4	Ethylbenzene	1.16	1.00	5.0	4.3			"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-AO-061207	5762901	Air	12-Jun-07 15:38	14-Jun-07
SA63629-06				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 15-Jun-07***			**R05**				
1330-20-7	m,p-Xylene	1.90	2.00	8.2	8.7	J	EPA TO-15	16-Jun-07	7061338	WB
75-25-2	Bromoform	BRL	1.00	BRL	10.3	U	"	"	"	"
100-42-5	Styrene	1.14	1.00	4.9	4.3			"	"	"
95-47-6	o-Xylene	0.820	1.00	3.6	4.3	J	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	1.00	BRL	6.9	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	1.00	BRL	4.9	U	"	"	"	"
622-96-8	4-Ethyltoluene	BRL	1.00	BRL	4.9	U	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	0.740	1.00	3.6	4.9	J	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	1.00	BRL	6.0	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	1.00	BRL	5.2	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	1.00	BRL	6.0	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	1.00	BRL	6.0	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	1.00	BRL	7.4	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	1.00	BRL	10.7	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*95*	*75-125 %*					"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-A-061307 SA63629-07	5762901	Air	13-Jun-07 10:30	14-Jun-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 17-Jun-07***							
115-07-1	Propene	BRL	1.00	BRL	1.7	U	EPA TO-15	18-Jun-07	7061334	WB
75-71-8	Dichlorodifluoromethane (Freon12)	13.4	1.00	66.3	4.9			"	"	"
74-87-3	Chloromethane	BRL	1.00	BRL	2.1	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	1.00	BRL	7.0	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	1.00	BRL	2.6	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	1.00	BRL	2.2	U	"	"	"	"
74-83-9	Bromomethane	BRL	1.00	BRL	3.9	U	"	"	"	"
75-00-3	Chloroethane	BRL	1.00	BRL	2.6	U	"	"	"	"
67-64-1	Acetone	10.6	1.00	25.2	2.4			"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	33.4	1.00	188.0	5.6			"	"	"
64-17-5	Ethanol	27.7	1.00	52.2	1.9			"	"	"
75-35-4	1,1-Dichloroethene	BRL	1.00	BRL	4.0	U	"	"	"	"
75-09-2	Methylene chloride	BRL	1.00	BRL	3.5	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	1.00	BRL	7.7	U	"	"	"	"
75-15-0	Carbon disulfide	0.660	1.00	2.1	3.1	J	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	1.00	BRL	4.0	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	1.00	BRL	4.1	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	1.00	BRL	3.6	U	"	"	"	"
67-63-0	Isopropyl alcohol	BRL	1.00	BRL	2.5	U	"	"	"	"
78-93-3	2-Butanone (MEK)	1.60	1.00	4.7	3.0			"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	1.00	BRL	4.0	U	"	"	"	"
110-54-3	Hexane	BRL	1.00	BRL	3.5	U	"	"	"	"
141-78-6	Ethyl acetate	2.56	1.00	9.2	3.6			"	"	"
67-66-3	Chloroform	7.32	1.00	35.6	4.9			"	"	"
109-99-9	Tetrahydrofuran	BRL	1.00	BRL	3.0	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	1.00	BRL	4.1	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	1.00	BRL	5.5	U	"	"	"	"
71-43-2	Benzene	BRL	1.00	BRL	3.2	U	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	1.00	BRL	6.3	U	"	"	"	"
110-82-7	Cyclohexane	0.740	1.00	2.6	3.4	J	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	1.00	BRL	4.6	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	1.00	BRL	6.7	U	"	"	"	"
79-01-6	Trichloroethene	1.64	1.00	8.8	5.4			"	"	"
142-82-5	n-Heptane	0.640	1.00	2.6	4.1	J	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	1.00	BRL	4.1	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	1.00	BRL	4.5	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	1.00	BRL	4.5	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	1.00	BRL	5.5	U	"	"	"	"
108-88-3	Toluene	14.9	1.00	56.1	3.8			"	"	"
591-78-6	2-Hexanone (MBK)	0.600	1.00	2.5	4.1	J	"	"	"	"
124-48-1	Dibromochloromethane	BRL	1.00	BRL	8.5	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	1.00	BRL	7.7	U	"	"	"	"
127-18-4	Tetrachloroethene	20.7	1.00	140.0	6.8			"	"	"
108-90-7	Chlorobenzene	BRL	1.00	BRL	4.6	U	"	"	"	"
100-41-4	Ethylbenzene	1.28	1.00	5.6	4.3			"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-A-061307 SA63629-07	5762901	Air	13-Jun-07 10:30	14-Jun-07

CAS No.	*Analyte(s)*	*Result*	*Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses											
EPA TO-15			***ppbv***	***Prepared 17-Jun-07***							
1330-20-7	m,p-Xylene	1.88		2.00	8.2	8.7	J	EPA TO-15	18-Jun-07	7061334	WB
75-25-2	Bromoform	BRL		1.00	BRL	10.3	U	"	"	"	"
100-42-5	Styrene	1.10		1.00	4.7	4.3			"	"	"
95-47-6	o-Xylene	0.800		1.00	3.5	4.3	J	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL		1.00	BRL	6.9	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL		1.00	BRL	4.9	U	"	"	"	"
622-96-8	4-Ethyltoluene	BRL		1.00	BRL	4.9	U	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	0.700		1.00	3.4	4.9	J	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL		1.00	BRL	6.0	U	"	"	"	"
100-44-7	Benzyl chloride	BRL		1.00	BRL	5.2	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL		1.00	BRL	6.0	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL		1.00	BRL	6.0	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL		1.00	BRL	7.4	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL		1.00	BRL	10.7	U	"	"	"	"
Surrogate recoveries:											
460-00-4	*4-Bromofluorobenzene*	*94*		*75-125 %*					"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-AI-061307	5762901	Air	13-Jun-07 10:30	14-Jun-07
SA63629-08				

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 15-Jun-07***							
115-07-1	Propene	BRL	5.00	BRL	8.6	U	EPA TO-15	16-Jun-07	7061338	WB
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	5.00	BRL	24.7	U	"	"	"	"
74-87-3	Chloromethane	BRL	5.00	BRL	10.3	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	5.00	BRL	34.9	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	5.00	BRL	12.8	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	5.00	BRL	11.0	U	"	"	"	"
74-83-9	Bromomethane	BRL	5.00	BRL	19.4	U	"	"	"	"
75-00-3	Chloroethane	BRL	5.00	BRL	13.2	U	"	"	"	"
67-64-1	Acetone	67.1	5.00	159.0	11.9			"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	5.00	BRL	28.1	U	"	"	"	"
64-17-5	Ethanol	634	5.00	1200.0	9.4			"	"	"
75-35-4	1,1-Dichloroethene	BRL	5.00	BRL	19.8	U	"	"	"	"
75-09-2	Methylene chloride	BRL	5.00	BRL	17.4	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	5.00	BRL	38.3	U	"	"	"	"
75-15-0	Carbon disulfide	BRL	5.00	BRL	15.6	U	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	5.00	BRL	19.8	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	5.00	BRL	20.2	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	5.00	BRL	18.0	U	"	"	"	"
67-63-0	Isopropyl alcohol	90.0	5.00	221.0	12.3			"	"	"
78-93-3	2-Butanone (MEK)	BRL	5.00	BRL	14.7	U	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	5.00	BRL	19.8	U	"	"	"	"
110-54-3	Hexane	BRL	5.00	BRL	17.6	U	"	"	"	"
141-78-6	Ethyl acetate	8.50	5.00	30.6	18.0			"	"	"
67-66-3	Chloroform	BRL	5.00	BRL	24.3	U	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	5.00	BRL	14.7	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	5.00	BRL	20.2	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	5.00	BRL	27.3	U	"	"	"	"
71-43-2	Benzene	BRL	5.00	BRL	16.0	U	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	5.00	BRL	31.5	U	"	"	"	"
110-82-7	Cyclohexane	BRL	5.00	BRL	17.2	U	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	5.00	BRL	23.1	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	5.00	BRL	33.5	U	"	"	"	"
79-01-6	Trichloroethene	BRL	5.00	BRL	26.9	U	"	"	"	"
142-82-5	n-Heptane	BRL	5.00	BRL	20.5	U	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	5.00	BRL	20.5	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	5.00	BRL	22.7	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	5.00	BRL	22.7	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	5.00	BRL	27.3	U	"	"	"	"
108-88-3	Toluene	12.4	5.00	46.7	18.8			"	"	"
591-78-6	2-Hexanone (MBK)	BRL	5.00	BRL	20.5	U	"	"	"	"
124-48-1	Dibromochloromethane	BRL	5.00	BRL	42.6	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	5.00	BRL	38.4	U	"	"	"	"
127-18-4	Tetrachloroethene	BRL	5.00	BRL	33.9	U	"	"	"	"
108-90-7	Chlorobenzene	BRL	5.00	BRL	23.0	U	"	"	"	"
100-41-4	Ethylbenzene	BRL	5.00	BRL	21.7	U	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-AI-061307 SA63629-08	5762901	Air	13-Jun-07 10:30	14-Jun-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 15-Jun-07***							
1330-20-7	m,p-Xylene	BRL	10.0	BRL	43.4	U	EPA TO-15	16-Jun-07	7061338	WB
75-25-2	Bromoform	BRL	5.00	BRL	51.7	U	"	"	"	"
100-42-5	Styrene	BRL	5.00	BRL	21.3	U	"	"	"	"
95-47-6	o-Xylene	BRL	5.00	BRL	21.7	U	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	5.00	BRL	34.3	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	5.00	BRL	24.6	U	"	"	"	"
622-96-8	4-Ethyltoluene	BRL	5.00	BRL	24.6	U	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	5.00	BRL	24.6	U	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	5.00	BRL	30.1	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	5.00	BRL	25.8	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	5.00	BRL	30.1	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	5.00	BRL	30.1	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	5.00	BRL	37.1	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	5.00	BRL	53.3	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*93*	*75-125 %*					"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-B-061307 SA63629-09	5762901	Air	13-Jun-07 10:30	14-Jun-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 15-Jun-07***			**R05**				
115-07-1	Propene	BRL	2.50	BRL	4.3	U	EPA TO-15	16-Jun-07	7061338	WB
75-71-8	Dichlorodifluoromethane (Freon12)	3.85	2.50	19.0	12.4			"	"	"
74-87-3	Chloromethane	1.70	2.50	3.5	5.2	J	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.50	BRL	17.5	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	2.50	BRL	6.4	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	2.50	BRL	5.5	U	"	"	"	"
74-83-9	Bromomethane	BRL	2.50	BRL	9.7	U	"	"	"	"
75-00-3	Chloroethane	BRL	2.50	BRL	6.6	U	"	"	"	"
67-64-1	Acetone	BRL	2.50	BRL	5.9	U	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	2.50	BRL	14.0	U	"	"	"	"
64-17-5	Ethanol	30.2	2.50	56.9	4.7			"	"	"
75-35-4	1,1-Dichloroethene	BRL	2.50	BRL	9.9	U	"	"	"	"
75-09-2	Methylene chloride	BRL	2.50	BRL	8.7	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.50	BRL	19.2	U	"	"	"	"
75-15-0	Carbon disulfide	24.7	2.50	76.9	7.8			"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	2.50	BRL	9.9	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	2.50	BRL	10.1	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	1.65	2.50	6.0	9.0	J	"	"	"	"
67-63-0	Isopropyl alcohol	3.40	2.50	8.3	6.1			"	"	"
78-93-3	2-Butanone (MEK)	BRL	2.50	BRL	7.4	U	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	3.50	2.50	13.9	9.9			"	"	"
110-54-3	Hexane	5.00	2.50	17.6	8.8			"	"	"
141-78-6	Ethyl acetate	BRL	2.50	BRL	9.0	U	"	"	"	"
67-66-3	Chloroform	5.25	2.50	25.6	12.2			"	"	"
109-99-9	Tetrahydrofuran	2.35	2.50	6.9	7.4	J	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	2.50	BRL	10.1	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	2.50	BRL	13.6	U	"	"	"	"
71-43-2	Benzene	2.60	2.50	8.3	8.0			"	"	"
56-23-5	Carbon tetrachloride	BRL	2.50	BRL	15.7	U	"	"	"	"
110-82-7	Cyclohexane	2.45	2.50	8.4	8.6	J	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	2.50	BRL	11.6	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	2.50	BRL	16.7	U	"	"	"	"
79-01-6	Trichloroethene	1.60	2.50	8.6	13.4	J	"	"	"	"
142-82-5	n-Heptane	BRL	2.50	BRL	10.2	U	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.50	BRL	10.2	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	2.50	BRL	11.3	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	2.50	BRL	11.3	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	2.50	BRL	13.6	U	"	"	"	"
108-88-3	Toluene	21.1	2.50	79.4	9.4			"	"	"
591-78-6	2-Hexanone (MBK)	BRL	2.50	BRL	10.2	U	"	"	"	"
124-48-1	Dibromochloromethane	BRL	2.50	BRL	21.3	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.50	BRL	19.2	U	"	"	"	"
127-18-4	Tetrachloroethene	3.20	2.50	21.7	17.0			"	"	"
108-90-7	Chlorobenzene	2.20	2.50	10.1	11.5	J	"	"	"	"
100-41-4	Ethylbenzene	2.05	2.50	8.9	10.8	J	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-B-061307 SA63629-09	5762901	Air	13-Jun-07 10:30	14-Jun-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 15-Jun-07***			**R05**				
1330-20-7	m,p-Xylene	2.95	5.00	12.8	21.7	J	EPA TO-15	16-Jun-07	7061338	WB
75-25-2	Bromoform	BRL	2.50	BRL	25.8	U	"	"	"	"
100-42-5	Styrene	1.60	2.50	6.8	10.6	J	"	"	"	"
95-47-6	o-Xylene	BRL	2.50	BRL	10.8	U	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.50	BRL	17.2	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	2.50	BRL	12.3	U	"	"	"	"
622-96-8	4-Ethyltoluene	BRL	2.50	BRL	12.3	U	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	2.50	BRL	12.3	U	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	2.50	BRL	15.0	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	2.50	BRL	12.9	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	2.50	BRL	15.0	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	2.50	BRL	15.0	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	2.50	BRL	18.6	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	2.50	BRL	26.7	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*124*	*75-125 %*					"	"	"

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7061334 - General Air Prep										
Blank (7061334-BLK1)				Prepared: 17-Jun-07 Analyzed: 18-Jun-07						
Propene	BRL	0.500	ppbv							U
Dichlorodifluoromethane (Freon12)	BRL	0.500	ppbv							U
Chloromethane	BRL	0.500	ppbv							U
1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500	ppbv							U
Vinyl chloride	BRL	0.500	ppbv							U
1,3-Butadiene	BRL	0.500	ppbv							U
Bromomethane	BRL	0.500	ppbv							U
Chloroethane	BRL	0.500	ppbv							U
Acetone	BRL	0.500	ppbv							U
Trichlorofluoromethane (Freon 11)	BRL	0.500	ppbv							U
Ethanol	BRL	0.500	ppbv							U
1,1-Dichloroethene	BRL	0.500	ppbv							U
Methylene chloride	BRL	0.500	ppbv							U
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500	ppbv							U
Carbon disulfide	BRL	0.500	ppbv							U
trans-1,2-Dichloroethene	BRL	0.500	ppbv							U
1,1-Dichloroethane	BRL	0.500	ppbv							U
Methyl tert-butyl ether	BRL	0.500	ppbv							U
Isopropyl alcohol	BRL	0.500	ppbv							U
2-Butanone (MEK)	BRL	0.500	ppbv							U
cis-1,2-Dichloroethene	BRL	0.500	ppbv							U
Hexane	BRL	0.500	ppbv							U
Ethyl acetate	BRL	0.500	ppbv							U
Chloroform	BRL	0.500	ppbv							U
Tetrahydrofuran	BRL	0.500	ppbv							U
1,2-Dichloroethane	BRL	0.500	ppbv							U
1,1,1-Trichloroethane	BRL	0.500	ppbv							U
Benzene	BRL	0.500	ppbv							U
Carbon tetrachloride	BRL	0.500	ppbv							U
Cyclohexane	BRL	0.500	ppbv							U
1,2-Dichloropropane	BRL	0.500	ppbv							U
Bromodichloromethane	BRL	0.500	ppbv							U
Trichloroethene	BRL	0.500	ppbv							U
n-Heptane	BRL	0.500	ppbv							U
4-Methyl-2-pentanone (MIBK)	BRL	0.500	ppbv							U
cis-1,3-Dichloropropene	BRL	0.500	ppbv							U
trans-1,3-Dichloropropene	BRL	0.500	ppbv							U
1,1,2-Trichloroethane	BRL	0.500	ppbv							U
Toluene	BRL	0.500	ppbv							U
2-Hexanone (MBK)	BRL	0.500	ppbv							U
Dibromochloromethane	BRL	0.500	ppbv							U
1,2-Dibromoethane (EDB)	BRL	0.500	ppbv							U
Tetrachloroethene	BRL	0.500	ppbv							U
Chlorobenzene	BRL	0.500	ppbv							U
Ethylbenzene	BRL	0.500	ppbv							U
m,p-Xylene	BRL	1.00	ppbv							U
Bromoform	BRL	0.500	ppbv							U
Styrene	BRL	0.500	ppbv							U
o-Xylene	BRL	0.500	ppbv							U
1,1,2,2-Tetrachloroethane	BRL	0.500	ppbv							U
1,3,5-Trimethylbenzene	BRL	0.500	ppbv							U
4-Ethyltoluene	BRL	0.500	ppbv							U
1,2,4-Trimethylbenzene	BRL	0.500	ppbv							U
1,3-Dichlorobenzene	BRL	0.500	ppbv							U

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7061334 - General Air Prep										
Blank (7061334-BLK1)				Prepared: 17-Jun-07 Analyzed: 18-Jun-07						
Benzyl chloride	BRL	0.500	ppbv							U
1,4-Dichlorobenzene	BRL	0.500	ppbv							U
1,2-Dichlorobenzene	BRL	0.500	ppbv							U
1,2,4-Trichlorobenzene	BRL	0.500	ppbv							U
Hexachlorobutadiene	BRL	0.500	ppbv							U
Surrogate: 4-Bromofluorobenzene	*11.4*		ppbv	*12.5*		*91*	*75-125*			
LCS (7061334-BS1)				Prepared: 17-Jun-07 Analyzed: 18-Jun-07						
Propene	8.86		ppbv	10.0		89	70-130			
Dichlorodifluoromethane (Freon12)	7.95		ppbv	10.0		80	70-130			
Chloromethane	7.75		ppbv	10.0		78	70-130			
1,2-Dichlorotetrafluoroethane (Freon 114)	8.39		ppbv	10.0		84	70-130			
Vinyl chloride	8.90		ppbv	10.0		89	70-130			
1,3-Butadiene	9.47		ppbv	10.0		95	70-130			
Bromomethane	9.80		ppbv	10.0		98	70-130			
Chloroethane	10.6		ppbv	10.0		106	70-130			
Acetone	8.73		ppbv	10.0		87	70-130			
Trichlorofluoromethane (Freon 11)	7.99		ppbv	10.0		80	70-130			
Ethanol	12.5		ppbv	10.0		125	70-130			
1,1-Dichloroethene	8.91		ppbv	10.0		89	70-130			
Methylene chloride	8.76		ppbv	10.0		88	70-130			
1,1,2-Trichlorotrifluoroethane (Freon 113)	8.27		ppbv	10.0		83	70-130			
Carbon disulfide	8.50		ppbv	10.0		85	70-130			
trans-1,2-Dichloroethene	8.79		ppbv	10.0		88	70-130			
1,1-Dichloroethane	8.56		ppbv	10.0		86	70-130			
Methyl tert-butyl ether	8.82		ppbv	10.0		88	70-130			
Isopropyl alcohol	10.5		ppbv	10.0		105	70-130			
2-Butanone (MEK)	7.68		ppbv	10.0		77	70-130			
cis-1,2-Dichloroethene	8.89		ppbv	10.0		89	70-130			
Hexane	9.17		ppbv	10.0		92	70-130			
Ethyl acetate	8.00		ppbv	10.0		80	70-130			
Chloroform	8.18		ppbv	10.0		82	70-130			
Tetrahydrofuran	9.04		ppbv	10.0		90	70-130			
1,2-Dichloroethane	7.92		ppbv	10.0		79	70-130			
1,1,1-Trichloroethane	8.64		ppbv	10.0		86	70-130			
Benzene	8.93		ppbv	10.0		89	70-130			
Carbon tetrachloride	8.18		ppbv	10.0		82	70-130			
Cyclohexane	8.55		ppbv	10.0		86	70-130			
1,2-Dichloropropane	8.66		ppbv	10.0		87	70-130			
Bromodichloromethane	8.49		ppbv	10.0		85	70-130			
Trichloroethene	8.56		ppbv	10.0		86	70-130			
n-Heptane	9.22		ppbv	10.0		92	70-130			
4-Methyl-2-pentanone (MIBK)	8.94		ppbv	10.0		89	70-130			
cis-1,3-Dichloropropene	8.05		ppbv	10.0		80	70-130			
trans-1,3-Dichloropropene	8.75		ppbv	10.0		88	70-130			
1,1,2-Trichloroethane	7.92		ppbv	10.0		79	70-130			
Toluene	8.36		ppbv	10.0		84	70-130			
2-Hexanone (MBK)	9.73		ppbv	10.0		97	70-130			
Dibromochloromethane	8.70		ppbv	10.0		87	70-130			
1,2-Dibromoethane (EDB)	7.86		ppbv	10.0		79	70-130			
Tetrachloroethene	7.84		ppbv	10.0		78	70-130			
Chlorobenzene	7.58		ppbv	10.0		76	70-130			
Ethylbenzene	7.92		ppbv	10.0		79	70-130			
m,p-Xylene	16.1		ppbv	20.0		80	70-130			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7061334 - General Air Prep										
LCS (7061334-BS1)				Prepared: 17-Jun-07 Analyzed: 18-Jun-07						
Bromoform	8.15		ppbv	10.0		82	70-130			
Styrene	9.02		ppbv	10.0		90	70-130			
o-Xylene	8.21		ppbv	10.0		82	70-130			
1,1,2,2-Tetrachloroethane	7.00		ppbv	10.0		70	70-130			
1,3,5-Trimethylbenzene	9.32		ppbv	10.0		93	70-130			
4-Ethyltoluene	7.55		ppbv	10.0		76	70-130			
1,2,4-Trimethylbenzene	7.39		ppbv	10.0		74	70-130			
1,3-Dichlorobenzene	8.28		ppbv	10.0		83	70-130			
Benzyl chloride	7.22		ppbv	10.0		72	70-130			
1,4-Dichlorobenzene	8.27		ppbv	10.0		83	70-130			
1,2-Dichlorobenzene	7.88		ppbv	10.0		79	70-130			
1,2,4-Trichlorobenzene	3.78		ppbv	10.0		38	70-130			QC2
Hexachlorobutadiene	4.00		ppbv	10.0		40	70-130			QC2
Surrogate: 4-Bromofluorobenzene	*12.2*		ppbv	*12.5*		*98*	*75-125*			
Duplicate (7061334-DUP1)		**Source: SA63626-01**		Prepared: 17-Jun-07 Analyzed: 18-Jun-07						
Propene	BRL	0.500	ppbv		BRL				30	U
Dichlorodifluoromethane (Freon12)	0.430	0.500	ppbv		0.470			9	30	J
Chloromethane	0.570	0.500	ppbv		0.580			2	30	
1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500	ppbv		BRL				30	U
Vinyl chloride	BRL	0.500	ppbv		BRL				30	U
1,3-Butadiene	BRL	0.500	ppbv		BRL				30	U
Bromomethane	BRL	0.500	ppbv		BRL				30	U
Chloroethane	BRL	0.500	ppbv		BRL				30	U
Acetone	12.8	0.500	ppbv		13.2			3	30	
Trichlorofluoromethane (Freon 11)	0.400	0.500	ppbv		0.420			5	30	J
Ethanol	148	0.500	ppbv		145			2	30	
1,1-Dichloroethene	BRL	0.500	ppbv		BRL				30	U
Methylene chloride	1.39	0.500	ppbv		1.48			6	30	
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500	ppbv		BRL				30	U
Carbon disulfide	BRL	0.500	ppbv		BRL				30	U
trans-1,2-Dichloroethene	BRL	0.500	ppbv		BRL				30	U
1,1-Dichloroethane	BRL	0.500	ppbv		BRL				30	U
Methyl tert-butyl ether	BRL	0.500	ppbv		BRL				30	U
Isopropyl alcohol	22.7	0.500	ppbv		21.4			6	30	
2-Butanone (MEK)	1.58	0.500	ppbv		1.60			1	30	
cis-1,2-Dichloroethene	BRL	0.500	ppbv		BRL				30	U
Hexane	0.520	0.500	ppbv		0.550			6	30	
Ethyl acetate	0.760	0.500	ppbv		0.790			4	30	
Chloroform	BRL	0.500	ppbv		BRL				30	U
Tetrahydrofuran	3.81	0.500	ppbv		3.90			2	30	
1,2-Dichloroethane	BRL	0.500	ppbv		BRL				30	U
1,1,1-Trichloroethane	BRL	0.500	ppbv		BRL				30	U
Benzene	BRL	0.500	ppbv		BRL				30	U
Carbon tetrachloride	BRL	0.500	ppbv		BRL				30	U
Cyclohexane	0.520	0.500	ppbv		0.540			4	30	
1,2-Dichloropropane	BRL	0.500	ppbv		BRL				30	U
Bromodichloromethane	BRL	0.500	ppbv		BRL				30	U
Trichloroethene	0.360	0.500	ppbv		0.380			5	30	J
n-Heptane	BRL	0.500	ppbv		BRL				30	U
4-Methyl-2-pentanone (MIBK)	BRL	0.500	ppbv		BRL				30	U
cis-1,3-Dichloropropene	BRL	0.500	ppbv		BRL				30	U
trans-1,3-Dichloropropene	BRL	0.500	ppbv		BRL				30	U
1,1,2-Trichloroethane	BRL	0.500	ppbv		BRL				30	U

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7061334 - General Air Prep										
Duplicate (7061334-DUP1)		**Source: SA63626-01**		Prepared: 17-Jun-07 Analyzed: 18-Jun-07						
Toluene	1.15	0.500	ppbv		1.18			3	30	
2-Hexanone (MBK)	BRL	0.500	ppbv		BRL				30	U
Dibromochloromethane	BRL	0.500	ppbv		BRL				30	U
1,2-Dibromoethane (EDB)	BRL	0.500	ppbv		BRL				30	U
Tetrachloroethene	0.530	0.500	ppbv		0.540			2	30	
Chlorobenzene	BRL	0.500	ppbv		BRL				30	U
Ethylbenzene	BRL	0.500	ppbv		BRL				30	U
m,p-Xylene	0.540	1.00	ppbv		0.550			2	30	J
Bromoform	BRL	0.500	ppbv		BRL				30	U
Styrene	BRL	0.500	ppbv		BRL				30	U
o-Xylene	BRL	0.500	ppbv		BRL				30	U
1,1,2,2-Tetrachloroethane	BRL	0.500	ppbv		BRL				30	U
1,3,5-Trimethylbenzene	BRL	0.500	ppbv		BRL				30	U
4-Ethyltoluene	BRL	0.500	ppbv		BRL				30	U
1,2,4-Trimethylbenzene	0.390	0.500	ppbv		0.390			0	30	J
1,3-Dichlorobenzene	BRL	0.500	ppbv		BRL				30	U
Benzyl chloride	BRL	0.500	ppbv		BRL				30	U
1,4-Dichlorobenzene	BRL	0.500	ppbv		BRL				30	U
1,2-Dichlorobenzene	BRL	0.500	ppbv		BRL				30	U
1,2,4-Trichlorobenzene	BRL	0.500	ppbv		BRL				30	U
Hexachlorobutadiene	BRL	0.500	ppbv		BRL				30	U
Surrogate: 4-Bromofluorobenzene	*11.8*		ppbv	*12.5*		*94*	*75-125*			
Batch 7061338 - General Air Prep										
Blank (7061338-BLK1)				Prepared: 15-Jun-07 Analyzed: 16-Jun-07						
Propene	BRL	0.500	ppbv							U
Dichlorodifluoromethane (Freon12)	BRL	0.500	ppbv							U
Chloromethane	BRL	0.500	ppbv							U
1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500	ppbv							U
Vinyl chloride	BRL	0.500	ppbv							U
1,3-Butadiene	BRL	0.500	ppbv							U
Bromomethane	BRL	0.500	ppbv							U
Chloroethane	BRL	0.500	ppbv							U
Acetone	BRL	0.500	ppbv							U
Trichlorofluoromethane (Freon 11)	BRL	0.500	ppbv							U
Ethanol	BRL	0.500	ppbv							U
1,1-Dichloroethene	BRL	0.500	ppbv							U
Methylene chloride	BRL	0.500	ppbv							U
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500	ppbv							U
Carbon disulfide	BRL	0.500	ppbv							U
trans-1,2-Dichloroethene	BRL	0.500	ppbv							U
1,1-Dichloroethane	BRL	0.500	ppbv							U
Methyl tert-butyl ether	BRL	0.500	ppbv							U
Isopropyl alcohol	BRL	0.500	ppbv							U
2-Butanone (MEK)	BRL	0.500	ppbv							U
cis-1,2-Dichloroethene	BRL	0.500	ppbv							U
Hexane	BRL	0.500	ppbv							U
Ethyl acetate	BRL	0.500	ppbv							U
Chloroform	BRL	0.500	ppbv							U
Tetrahydrofuran	BRL	0.500	ppbv							U
1,2-Dichloroethane	BRL	0.500	ppbv							U
1,1,1-Trichloroethane	BRL	0.500	ppbv							U
Benzene	BRL	0.500	ppbv							U
Carbon tetrachloride	BRL	0.500	ppbv							U

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7061338 - General Air Prep										
Blank (7061338-BLK1)				Prepared: 15-Jun-07 Analyzed: 16-Jun-07						
Cyclohexane	BRL	0.500	ppbv							U
1,2-Dichloropropane	BRL	0.500	ppbv							U
Bromodichloromethane	BRL	0.500	ppbv							U
Trichloroethene	BRL	0.500	ppbv							U
n-Heptane	BRL	0.500	ppbv							U
4-Methyl-2-pentanone (MIBK)	BRL	0.500	ppbv							U
cis-1,3-Dichloropropene	BRL	0.500	ppbv							U
trans-1,3-Dichloropropene	BRL	0.500	ppbv							U
1,1,2-Trichloroethane	BRL	0.500	ppbv							U
Toluene	BRL	0.500	ppbv							U
2-Hexanone (MBK)	BRL	0.500	ppbv							U
Dibromochloromethane	BRL	0.500	ppbv							U
1,2-Dibromoethane (EDB)	BRL	0.500	ppbv							U
Tetrachloroethene	BRL	0.500	ppbv							U
Chlorobenzene	BRL	0.500	ppbv							U
Ethylbenzene	BRL	0.500	ppbv							U
m,p-Xylene	BRL	1.00	ppbv							U
Bromoform	BRL	0.500	ppbv							U
Styrene	BRL	0.500	ppbv							U
o-Xylene	BRL	0.500	ppbv							U
1,1,2,2-Tetrachloroethane	BRL	0.500	ppbv							U
1,3,5-Trimethylbenzene	BRL	0.500	ppbv							U
4-Ethyltoluene	BRL	0.500	ppbv							U
1,2,4-Trimethylbenzene	BRL	0.500	ppbv							U
1,3-Dichlorobenzene	BRL	0.500	ppbv							U
Benzyl chloride	BRL	0.500	ppbv							U
1,4-Dichlorobenzene	BRL	0.500	ppbv							U
1,2-Dichlorobenzene	BRL	0.500	ppbv							U
1,2,4-Trichlorobenzene	BRL	0.500	ppbv							U
Hexachlorobutadiene	BRL	0.500	ppbv							U
Surrogate: 4-Bromofluorobenzene	*11.4*		ppbv	*12.5*		*91*	*75-125*			
LCS (7061338-BS1)				Prepared: 15-Jun-07 Analyzed: 16-Jun-07						
Propene	8.24		ppbv	10.0		82	70-130			
Dichlorodifluoromethane (Freon12)	7.26		ppbv	10.0		73	70-130			
Chloromethane	7.21		ppbv	10.0		72	70-130			
1,2-Dichlorotetrafluoroethane (Freon 114)	7.87		ppbv	10.0		79	70-130			
Vinyl chloride	8.35		ppbv	10.0		84	70-130			
1,3-Butadiene	9.10		ppbv	10.0		91	70-130			
Bromomethane	9.31		ppbv	10.0		93	70-130			
Chloroethane	9.96		ppbv	10.0		100	70-130			
Acetone	8.22		ppbv	10.0		82	70-130			
Trichlorofluoromethane (Freon 11)	7.12		ppbv	10.0		71	70-130			
Ethanol	11.5		ppbv	10.0		115	70-130			
1,1-Dichloroethene	8.55		ppbv	10.0		86	70-130			
Methylene chloride	8.23		ppbv	10.0		82	70-130			
1,1,2-Trichlorotrifluoroethane (Freon 113)	7.69		ppbv	10.0		77	70-130			
Carbon disulfide	7.98		ppbv	10.0		80	70-130			
trans-1,2-Dichloroethene	8.73		ppbv	10.0		87	70-130			
1,1-Dichloroethane	8.13		ppbv	10.0		81	70-130			
Methyl tert-butyl ether	8.67		ppbv	10.0		87	70-130			
Isopropyl alcohol	9.64		ppbv	10.0		96	70-130			
2-Butanone (MEK)	7.44		ppbv	10.0		74	70-130			
cis-1,2-Dichloroethene	8.73		ppbv	10.0		87	70-130			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7061338 - General Air Prep										
LCS (7061338-BS1)				Prepared: 15-Jun-07 Analyzed: 16-Jun-07						
Hexane	9.16		ppbv	10.0		92	70-130			
Ethyl acetate	8.03		ppbv	10.0		80	70-130			
Chloroform	7.70		ppbv	10.0		77	70-130			
Tetrahydrofuran	9.06		ppbv	10.0		91	70-130			
1,2-Dichloroethane	7.28		ppbv	10.0		73	70-130			
1,1,1-Trichloroethane	8.05		ppbv	10.0		80	70-130			
Benzene	9.11		ppbv	10.0		91	70-130			
Carbon tetrachloride	7.51		ppbv	10.0		75	70-130			
Cyclohexane	8.73		ppbv	10.0		87	70-130			
1,2-Dichloropropane	8.27		ppbv	10.0		83	70-130			
Bromodichloromethane	7.73		ppbv	10.0		77	70-130			
Trichloroethene	8.21		ppbv	10.0		82	70-130			
n-Heptane	9.02		ppbv	10.0		90	70-130			
4-Methyl-2-pentanone (MIBK)	8.49		ppbv	10.0		85	70-130			
cis-1,3-Dichloropropene	7.70		ppbv	10.0		77	70-130			
trans-1,3-Dichloropropene	8.24		ppbv	10.0		82	70-130			
1,1,2-Trichloroethane	7.59		ppbv	10.0		76	70-130			
Toluene	8.30		ppbv	10.0		83	70-130			
2-Hexanone (MBK)	9.46		ppbv	10.0		95	70-130			
Dibromochloromethane	8.09		ppbv	10.0		81	70-130			
1,2-Dibromoethane (EDB)	7.44		ppbv	10.0		74	70-130			
Tetrachloroethene	7.66		ppbv	10.0		77	70-130			
Chlorobenzene	7.74		ppbv	10.0		77	70-130			
Ethylbenzene	8.07		ppbv	10.0		81	70-130			
m,p-Xylene	16.6		ppbv	20.0		83	70-130			
Bromoform	8.11		ppbv	10.0		81	70-130			
Styrene	9.27		ppbv	10.0		93	70-130			
o-Xylene	8.50		ppbv	10.0		85	70-130			
1,1,2,2-Tetrachloroethane	7.05		ppbv	10.0		70	70-130			
1,3,5-Trimethylbenzene	9.57		ppbv	10.0		96	70-130			
4-Ethyltoluene	7.67		ppbv	10.0		77	70-130			
1,2,4-Trimethylbenzene	7.41		ppbv	10.0		74	70-130			
1,3-Dichlorobenzene	8.44		ppbv	10.0		84	70-130			
Benzyl chloride	7.35		ppbv	10.0		74	70-130			
1,4-Dichlorobenzene	8.40		ppbv	10.0		84	70-130			
1,2-Dichlorobenzene	8.01		ppbv	10.0		80	70-130			
1,2,4-Trichlorobenzene	4.14		ppbv	10.0		41	70-130			S04
Hexachlorobutadiene	4.07		ppbv	10.0		41	70-130			QC2
Surrogate: 4-Bromofluorobenzene	*12.3*		ppbv	*12.5*		*98*	*75-125*			
Duplicate (7061338-DUP1)		**Source: SA63309-02**		Prepared: 15-Jun-07 Analyzed: 16-Jun-07						
Propene	BRL	0.500	ppbv		BRL				30	U
Dichlorodifluoromethane (Freon12)	BRL	0.500	ppbv		BRL				30	U
Chloromethane	BRL	0.500	ppbv		BRL				30	U
1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500	ppbv		BRL				30	U
Vinyl chloride	BRL	0.500	ppbv		BRL				30	U
1,3-Butadiene	BRL	0.500	ppbv		BRL				30	U
Bromomethane	BRL	0.500	ppbv		BRL				30	U
Chloroethane	BRL	0.500	ppbv		BRL				30	U
Acetone	1.68	0.500	ppbv		1.72			2	30	
Trichlorofluoromethane (Freon 11)	BRL	0.500	ppbv		BRL				30	U
Ethanol	1.87	0.500	ppbv		1.73			8	30	
1,1-Dichloroethene	BRL	0.500	ppbv		BRL				30	U
Methylene chloride	BRL	0.500	ppbv		BRL				30	U

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7061338 - General Air Prep										
Duplicate (7061338-DUP1)		**Source: SA63309-02**		Prepared: 15-Jun-07 Analyzed: 16-Jun-07						
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500	ppbv		BRL				30	U
Carbon disulfide	BRL	0.500	ppbv		BRL				30	U
trans-1,2-Dichloroethene	BRL	0.500	ppbv		BRL				30	U
1,1-Dichloroethane	BRL	0.500	ppbv		BRL				30	U
Methyl tert-butyl ether	BRL	0.500	ppbv		BRL				30	U
Isopropyl alcohol	BRL	0.500	ppbv		BRL				30	U
2-Butanone (MEK)	BRL	0.500	ppbv		BRL				30	U
cis-1,2-Dichloroethene	BRL	0.500	ppbv		BRL				30	U
Hexane	BRL	0.500	ppbv		BRL				30	U
Ethyl acetate	BRL	0.500	ppbv		BRL				30	U
Chloroform	BRL	0.500	ppbv		BRL				30	U
Tetrahydrofuran	BRL	0.500	ppbv		BRL				30	U
1,2-Dichloroethane	BRL	0.500	ppbv		BRL				30	U
1,1,1-Trichloroethane	BRL	0.500	ppbv		BRL				30	U
Benzene	BRL	0.500	ppbv		BRL				30	U
Carbon tetrachloride	BRL	0.500	ppbv		BRL				30	U
Cyclohexane	BRL	0.500	ppbv		BRL				30	U
1,2-Dichloropropane	BRL	0.500	ppbv		BRL				30	U
Bromodichloromethane	BRL	0.500	ppbv		BRL				30	U
Trichloroethene	BRL	0.500	ppbv		BRL				30	U
n-Heptane	BRL	0.500	ppbv		BRL				30	U
4-Methyl-2-pentanone (MIBK)	BRL	0.500	ppbv		BRL				30	U
cis-1,3-Dichloropropene	BRL	0.500	ppbv		BRL				30	U
trans-1,3-Dichloropropene	BRL	0.500	ppbv		BRL				30	U
1,1,2-Trichloroethane	BRL	0.500	ppbv		BRL				30	U
Toluene	BRL	0.500	ppbv		BRL				30	U
2-Hexanone (MBK)	BRL	0.500	ppbv		BRL				30	U
Dibromochloromethane	BRL	0.500	ppbv		BRL				30	U
1,2-Dibromoethane (EDB)	BRL	0.500	ppbv		BRL				30	U
Tetrachloroethene	BRL	0.500	ppbv		BRL				30	U
Chlorobenzene	BRL	0.500	ppbv		BRL				30	U
Ethylbenzene	BRL	0.500	ppbv		BRL				30	U
m,p-Xylene	BRL	1.00	ppbv		BRL				30	U
Bromoform	BRL	0.500	ppbv		BRL				30	U
Styrene	BRL	0.500	ppbv		BRL				30	U
o-Xylene	BRL	0.500	ppbv		BRL				30	U
1,1,2,2-Tetrachloroethane	BRL	0.500	ppbv		BRL				30	U
1,3,5-Trimethylbenzene	BRL	0.500	ppbv		BRL				30	U
4-Ethyltoluene	BRL	0.500	ppbv		BRL				30	U
1,2,4-Trimethylbenzene	BRL	0.500	ppbv		BRL				30	U
1,3-Dichlorobenzene	BRL	0.500	ppbv		BRL				30	U
Benzyl chloride	BRL	0.500	ppbv		BRL				30	U
1,4-Dichlorobenzene	BRL	0.500	ppbv		BRL				30	U
1,2-Dichlorobenzene	BRL	0.500	ppbv		BRL				30	U
1,2,4-Trichlorobenzene	BRL	0.500	ppbv		BRL				30	U
Hexachlorobutadiene	BRL	0.500	ppbv		BRL				30	U
Surrogate: 4-Bromofluorobenzene	*12.0*		ppbv	*12.5*		*96*	*75-125*			

Notes and Definitions

U	Analyte included in the analysis, but not detected
S04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
R05	Elevated Reporting Limits due to the presence of high levels of non-target analytes.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
June O'Connor

Report Date:
04-May-07 17:17

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: 166-218 Myrtle Ave - Brooklyn, NY
Project 5762901

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA61413-01	LEG-24-28-30	Soil	30-Apr-07 08:30	01-May-07 10:05

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 39 pages of analytical data plus Chain of Custody document(s).
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Maine # MA138
New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-24-28-30 SA61413-01	5762901	Soil	30-Apr-07 08:30	01-May-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	TCLP Extraction	Completed		N/A			1	SW846 1311	02-May-07	02-May-07	7050209	BD
	VOC Extraction	Lab extracted		N/A			1	VOC	01-May-07	01-May-07	7050103	"
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	5.9	2.4	1	SW 846 8260B	02-May-07	04-May-07	7050177	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	117	51.5	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	5.9	0.6	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	5.9	0.5	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	58.7	4.2	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	29.3	0.5	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	5.9	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	5.9	0.8	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	11.7	1.3	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	5.9	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	5.9	0.9	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	5.9	1.3	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	5.9	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	5.9	0.8	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	5.9	0.4	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	5.9	0.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	5.9	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	5.9	0.6	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	5.9	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	5.9	0.7	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	58.7	0.6	1	"	"	"	"	"
75-09-2	Methylene chloride	4.0	O01, J	µg/kg dry	58.7	2.8	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	5.9	0.9	1	"	"	"	"	"
127-18-4	Tetrachloroethene	4.0	J	µg/kg dry	5.9	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	5.9	0.9	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	5.9	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	5.9	0.7	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	5.9	0.6	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	5.9	0.6	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	5.9	0.7	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	11.7	1.3	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	5.9	1.1	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*106*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*105*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*108*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*108*		*70-130 %*				"	"	"	"	"
TCLP Volatile Organic Compounds by 8260B (TCL)												
Prepared by method SW846 5030 Water MS												
71-43-2	Benzene	BRL	U	µg/l	5.00	2.85	5	SW846 1311/8260B	04-May-07	04-May-07	7050328	eq
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	50.0	12.2	5	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	5.00	2.90	5	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	5.00	2.60	5	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	5.00	4.00	5	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	5.00	2.10	5	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	5.00	2.95	5	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	5.00	2.55	5	"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-24-28-30 SA61413-01	5762901	Soil	30-Apr-07 08:30	01-May-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
TCLP Volatile Organic Compounds by 8260B (TCL)												
Prepared by method SW846 5030 Water MS												
108-88-3	Toluene	BRL	U	µg/l	5.00	3.20	5	SW846 1311/8260B	04-May-07	04-May-07	7050328	eq
79-01-6	Trichloroethene	BRL	U	µg/l	5.00	2.30	5	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	5.00	4.30	5	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*95*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*84*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*91*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*88*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
	TCLP Extraction	Completed		N/A			1	SW846 1311	02-May-07	02-May-07	7050193	BD
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	15.3	0.128	1	SW846 8081A	02-May-07	03-May-07	7050114	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	15.3	0.244	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	15.3	0.249	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	15.3	0.189	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	15.3	0.172	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	76.5	0.853	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	15.3	0.356	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	15.3	0.354	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	15.3	0.326	1	"	"	"	"	"
60-57-1	Dieldrin	BRL	U	µg/kg dry	15.3	0.231	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	15.3	0.626	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	15.3	0.550	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	15.3	0.399	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	15.3	0.522	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	15.3	0.412	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	15.3	0.156	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	15.3	0.232	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	15.3	0.232	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	15.3	0.578	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	15.3	1.03	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*57*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*78*		*30-150 %*				"	"	"	"	"
TCLP Pesticides by SW846 1311/8081A												
Prepared by method SW846 3535												
57-74-9	Chlordane	BRL	U	µg/l	0.400	0.064	1	SW846 1311/8081A	03-May-07	"	7050199	"
72-20-8	Endrin	BRL	U	µg/l	0.080	0.040	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/l	0.080	0.032	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/l	0.080	0.012	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/l	0.400	0.128	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
60-57-1	Dieldrin	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-24-28-30	5762901	Soil	30-Apr-07 08:30	01-May-07
SA61413-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
TCLP Pesticides by SW846 1311/8081A												
Prepared by method SW846 3535												
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*57*		*30-150 %*				SW846 1311/8081A	03-May-07	03-May-07	7050199	TG
2051-24-3	*Decachlorobiphenyl (Sr)*	*78*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	30.6	1.93	1	SW846 8082	02-May-07	03-May-07	7050115	MP
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	30.6	1.93	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	30.6	4.49	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	30.6	3.85	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	30.6	4.60	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	30.6	1.39	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	30.6	1.60	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	30.6	0.257	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	30.6	0.123	1	"	"	"	"	"
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*		*30-150 %*				"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	02-May-07	03-May-07	7050116	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*44*		*30-150 %*				"	"	"	"	"
TCLP Herbicides by SW846 1311/8151A												
Prepared by method SW846 3535												
94-75-7	2,4-D	BRL	U	µg/l	0.100	0.0190	1	SW846 1311/8151A	03-May-07	03-May-07	7050200	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/l	0.100	0.0170	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*46*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
	TCLP Extraction	Completed		N/A			1	SW846 1311	02-May-07	02-May-07	7050193	BD
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	193	4.69	1	SW846 8270C	02-May-07	04-May-07	7050117	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	193	5.86	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	193	14.9	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/kg dry	193	5.86	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/kg dry	193	12.5	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/kg dry	193	6.62	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/kg dry	193	25.8	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/kg dry	193	5.45	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/kg dry	193	7.79	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	193	3.52	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	193	37.2	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	193	22.3	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	193	7.03	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-24-28-30 SA61413-01	5762901	Soil	30-Apr-07 08:30	01-May-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	193	18.8	1	SW846 8270C	02-May-07	04-May-07	7050117	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	193	3.91	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/kg dry	193	2.75	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	193	3.11	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	193	2.34	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	193	14.1	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	193	5.10	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	193	6.27	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	193	5.45	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	193	5.10	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	193	12.1	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	193	4.69	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	193	9.38	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/kg dry	193	4.69	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	193	4.69	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	193	14.5	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	193	8.97	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	193	11.7	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	193	4.28	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	193	8.20	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	193	4.69	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	193	7.44	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	193	2.34	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	193	6.62	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	193	7.03	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	193	8.97	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	773	10.1	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	773	12.5	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/kg dry	193	8.97	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	193	3.91	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/kg dry	193	13.7	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	193	3.91	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*65*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*60*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*60*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*59*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*69*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*59*		*15-110 %*				"	"	"	"	"
TCLP Semivolatiles by SW846 1311/8270C (TCL)												
Prepared by method SW846 3535												
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	5.00	0.220	1	SW846 1311/8270C	03-May-07	03-May-07	7050201	"
121-14-2	2,4-Dinitrotoluene	BRL	U	µg/l	5.00	0.210	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	5.00	0.370	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	5.00	0.560	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL	U	µg/l	5.00	0.510	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.00	0.210	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	10.0	0.240	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-24-28-30	5762901	Soil	30-Apr-07 08:30	01-May-07
SA61413-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
TCLP Semivolatiles by SW846 1311/8270C (TCL)												
Prepared by method SW846 3535												
98-95-3	Nitrobenzene	BRL	U	µg/l	5.00	0.180	1	SW846 1311/8270C	03-May-07	03-May-07	7050201	M.B
87-86-5	Pentachlorophenol	BRL	U	µg/l	5.00	0.320	1	"	"	"	"	"
110-86-1	Pyridine	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*71*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*76*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*74*		*30-130 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*73*		*30-130 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	0.617	J	mg/kg dry	1.41	0.330	1	SW846 6010B	02-May-07	03-May-07	7050147	LR
7429-90-5	Aluminum	4,170		mg/kg dry	1.88	1.18	1	"	"	"	"	"
7440-38-2	Arsenic	2.12		mg/kg dry	1.41	0.217	1	"	"	"	"	"
7440-39-3	Barium	34.5		mg/kg dry	0.942	0.158	1	"	"	"	"	"
7440-41-7	Beryllium	0.174	J	mg/kg dry	0.471	0.105	1	"	"	"	"	"
7440-70-2	Calcium	7,050		mg/kg dry	23.6	3.78	1	"	"	"	"	"
7440-43-9	Cadmium	0.0660	J	mg/kg dry	0.471	0.0160	1	"	"	"	"	"
7440-48-4	Cobalt	9.25		mg/kg dry	0.942	0.0405	1	"	"	"	"	"
7440-47-3	Chromium	30.7		mg/kg dry	0.942	0.272	1	"	"	"	"	"
7440-50-8	Copper	16.4		mg/kg dry	0.942	0.183	1	"	"	"	"	"
7439-89-6	Iron	9,940		mg/kg dry	1.88	0.474	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/kg dry	0.0331	0.0079	1	SW846 7471A	"	03-May-07	7050149	BT
7440-09-7	Potassium	961		mg/kg dry	47.1	16.5	1	SW846 6010B	"	03-May-07	7050147	LR
7439-95-4	Magnesium	19,200		mg/kg dry	23.6	0.697	5	"	"	03-May-07	"	"
7439-96-5	Manganese	207		mg/kg dry	0.942	0.264	1	"	"	03-May-07	"	"
7440-23-5	Sodium	217		mg/kg dry	23.6	5.47	1	"	"	"	"	"
7440-02-0	Nickel	155		mg/kg dry	0.942	0.0923	1	"	"	"	"	"
7439-92-1	Lead	10.7		mg/kg dry	1.41	0.147	1	"	"	"	"	"
7440-36-0	Antimony	0.391	J	mg/kg dry	2.83	0.344	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.41	0.304	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	2.83	0.442	1	"	"	"	"	"
7440-62-2	Vanadium	15.5		mg/kg dry	1.41	0.699	1	"	"	"	"	"
7440-66-6	Zinc	25.7		mg/kg dry	0.942	0.344	1	"	"	"	"	"
TCLP Metals by EPA 1311 & 6000/7000 Series Methods												
	TCLP Extraction	Completed		N/A			1	SW846 1311	02-May-07	02-May-07	7050191	BD
7440-22-4	Silver	0.0038	J	mg/l	0.0050	0.0020	1	SW846 1311/6010B	03-May-07	03-May-07	7050262	HB
7440-38-2	Arsenic	BRL	U	mg/l	0.0150	0.0025	1	"	"	"	"	"
7440-39-3	Barium	0.499		mg/l	0.0050	0.0020	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-47-3	Chromium	0.0106		mg/l	0.0050	0.0025	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00008	1	SW846 1311/7470A	"	04-May-07	7050263	BT

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG-24-28-30 SA61413-01	5762901	Soil	30-Apr-07 08:30	01-May-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
TCLP Metals by EPA 1311 & 6000/7000 Series Methods												
7439-92-1	Lead	0.0171	J	mg/l	0.0225	0.0025	1	SW846 1311/6010B	03-May-07	03-May-07	7050262	HB
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0050	1	"	"	"	"	"
Toxicity Characteristics												
	Ignitability by Definition	Negative	U	N/A			1	SW846 1030	02-May-07	02-May-07	7050150	YM
	pH	8.65	HT2	pH Units			1	SW846 9045C	02-May-07 08:30	02-May-07	7050141	"
Reactivity Cyanide/Sulfide												
Prepared by method General Preparation												
	Reactivity	Negative	U	mg/kg dry			1	SW846 Ch. 7.3	04-May-07	04-May-07	7050343	"
	Reactive Cyanide	BRL	U	mg/kg dry	24.8	2.48	1	"	"	"	"	"
	Reactive Sulfide	BRL	U	mg/kg dry	49.5	4.95	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	89.5		%			1	SM2540 G Mod.	03-May-07	03-May-07	7050205	YM
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	0.993	0.625	1	10-204-00-1-A / SW846 9012A	03-May-07	03-May-07	7050280	rth
18496-25-8	Sulfide	0.210	J	mg/kg	9.56		1	EPA 376.2	04-May-07	04-May-07	7050362	QP

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050177 - SW846 5035A Soil (low level)										
Blank (7050177-BLK1)										
Prepared: 02-May-07 Analyzed: 04-May-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/kg wet	5.0						
Acetone	BRL	U	µg/kg wet	100						
Acrylonitrile	BRL	U	µg/kg wet	5.0						
Benzene	BRL	U	µg/kg wet	5.0						
Bromobenzene	BRL	U	µg/kg wet	5.0						
Bromochloromethane	BRL	U	µg/kg wet	5.0						
Bromodichloromethane	BRL	U	µg/kg wet	5.0						
Bromoform	BRL	U	µg/kg wet	5.0						
Bromomethane	BRL	U	µg/kg wet	10.0						
2-Butanone (MEK)	BRL	U	µg/kg wet	50.0						
n-Butylbenzene	BRL	U	µg/kg wet	5.0						
sec-Butylbenzene	BRL	U	µg/kg wet	5.0						
tert-Butylbenzene	BRL	U	µg/kg wet	5.0						
Carbon disulfide	BRL	U	µg/kg wet	25.0						
Carbon tetrachloride	BRL	U	µg/kg wet	5.0						
Chlorobenzene	BRL	U	µg/kg wet	5.0						
Chloroethane	BRL	U	µg/kg wet	10.0						
Chloroform	BRL	U	µg/kg wet	5.0						
Chloromethane	BRL	U	µg/kg wet	10.0						
2-Chlorotoluene	BRL	U	µg/kg wet	5.0						
4-Chlorotoluene	BRL	U	µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/kg wet	10.0						
Dibromochloromethane	BRL	U	µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/kg wet	5.0						
Dibromomethane	BRL	U	µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/kg wet	10.0						
1,1-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,2-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,1-Dichloroethene	BRL	U	µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						
1,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,3-Dichloropropane	BRL	U	µg/kg wet	5.0						
2,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,1-Dichloropropene	BRL	U	µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
Ethylbenzene	BRL	U	µg/kg wet	5.0						
Hexachlorobutadiene	BRL	U	µg/kg wet	5.0						
2-Hexanone (MBK)	BRL	U	µg/kg wet	50.0						
Isopropylbenzene	BRL	U	µg/kg wet	5.0						
4-Isopropyltoluene	BRL	U	µg/kg wet	5.0						
Methyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg wet	50.0						
Methylene chloride	BRL	U	µg/kg wet	50.0						
Naphthalene	BRL	U	µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050177 - SW846 5035A Soil (low level)										
Blank (7050177-BLK1)										
Prepared: 02-May-07 Analyzed: 04-May-07										
n-Propylbenzene	BRL	U	µg/kg wet	5.0						
Styrene	BRL	U	µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
Tetrachloroethene	BRL	U	µg/kg wet	5.0						
Toluene	BRL	U	µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL	U	µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL	U	µg/kg wet	5.0						
Trichloroethene	BRL	U	µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL	U	µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
Vinyl chloride	BRL	U	µg/kg wet	5.0						
m,p-Xylene	BRL	U	µg/kg wet	10.0						
o-Xylene	BRL	U	µg/kg wet	5.0						
Tetrahydrofuran	BRL	U	µg/kg wet	50.0						
Ethyl ether	BRL	U	µg/kg wet	5.0						
Tert-amyl methyl ether	BRL	U	µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
Di-isopropyl ether	BRL	U	µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/kg wet	50.0						
1,4-Dioxane	BRL	U	µg/kg wet	100						
Surrogate: 4-Bromofluorobenzene	*51.5*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*52.6*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*58.8*		µg/kg wet		*50.0*		*118*	*70-130*		
Surrogate: Dibromofluoromethane	*53.7*		µg/kg wet		*50.0*		*107*	*70-130*		
LCS (7050177-BS1)										
Prepared: 02-May-07 Analyzed: 04-May-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.2		µg/kg wet		20.0		111	70-130		
Acetone	0.0	QC2, U	µg/kg wet		20.0			1.77-175		
Acrylonitrile	23.3		µg/kg wet		20.0		116	70-130		
Benzene	23.2		µg/kg wet		20.0		116	70-130		
Bromobenzene	24.0		µg/kg wet		20.0		120	70-130		
Bromochloromethane	25.1		µg/kg wet		20.0		126	70-130		
Bromodichloromethane	22.2		µg/kg wet		20.0		111	70-130		
Bromoform	22.4		µg/kg wet		20.0		112	70-130		
Bromomethane	18.6		µg/kg wet		20.0		93	55.3-136		
2-Butanone (MEK)	11.8		µg/kg wet		20.0		59	38.8-142		
n-Butylbenzene	20.3		µg/kg wet		20.0		102	70-130		
sec-Butylbenzene	22.6		µg/kg wet		20.0		113	70-130		
tert-Butylbenzene	22.7		µg/kg wet		20.0		114	70-130		
Carbon disulfide	20.2		µg/kg wet		20.0		101	70-130		
Carbon tetrachloride	22.3		µg/kg wet		20.0		112	70-130		
Chlorobenzene	22.8		µg/kg wet		20.0		114	70-130		
Chloroethane	19.4		µg/kg wet		20.0		97	55.3-130		
Chloroform	22.5		µg/kg wet		20.0		112	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050177 - SW846 5035A Soil (low level)										
LCS (7050177-BS1)										
Prepared: 02-May-07 Analyzed: 04-May-07										
Chloromethane	23.6		µg/kg wet		20.0		118	70-130		
2-Chlorotoluene	22.4		µg/kg wet		20.0		112	70-130		
4-Chlorotoluene	21.6		µg/kg wet		20.0		108	70-130		
1,2-Dibromo-3-chloropropane	19.2		µg/kg wet		20.0		96	70-130		
Dibromochloromethane	22.4		µg/kg wet		20.0		112	64.7-139		
1,2-Dibromoethane (EDB)	23.2		µg/kg wet		20.0		116	70-130		
Dibromomethane	22.6		µg/kg wet		20.0		113	70-130		
1,2-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130		
1,3-Dichlorobenzene	21.6		µg/kg wet		20.0		108	70-130		
1,4-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130		
Dichlorodifluoromethane (Freon12)	24.5		µg/kg wet		20.0		122	34.4-167		
1,1-Dichloroethane	23.1		µg/kg wet		20.0		116	70-130		
1,2-Dichloroethane	22.1		µg/kg wet		20.0		110	70-130		
1,1-Dichloroethene	21.6		µg/kg wet		20.0		108	70-130		
cis-1,2-Dichloroethene	23.8		µg/kg wet		20.0		119	70-130		
trans-1,2-Dichloroethene	23.8		µg/kg wet		20.0		119	70-130		
1,2-Dichloropropane	22.8		µg/kg wet		20.0		114	70-130		
1,3-Dichloropropane	22.4		µg/kg wet		20.0		112	70-130		
2,2-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130		
1,1-Dichloropropene	23.3		µg/kg wet		20.0		116	70-130		
cis-1,3-Dichloropropene	21.0		µg/kg wet		20.0		105	70-130		
trans-1,3-Dichloropropene	21.3		µg/kg wet		20.0		106	70-130		
Ethylbenzene	22.5		µg/kg wet		20.0		112	70-130		
Hexachlorobutadiene	21.2		µg/kg wet		20.0		106	60.7-140		
2-Hexanone (MBK)	10.4	QC2	µg/kg wet		20.0		52	70-130		
Isopropylbenzene	21.4		µg/kg wet		20.0		107	70-130		
4-Isopropyltoluene	21.4		µg/kg wet		20.0		107	70-130		
Methyl tert-butyl ether	20.8		µg/kg wet		20.0		104	70-130		
4-Methyl-2-pentanone (MIBK)	15.3		µg/kg wet		20.0		76	46.1-145		
Methylene chloride	20.5		µg/kg wet		20.0		102	70-130		
Naphthalene	21.2		µg/kg wet		20.0		106	70-130		
n-Propylbenzene	22.5		µg/kg wet		20.0		112	70-130		
Styrene	20.5		µg/kg wet		20.0		102	70-130		
1,1,1,2-Tetrachloroethane	23.6		µg/kg wet		20.0		118	70-130		
1,1,2,2-Tetrachloroethane	21.3		µg/kg wet		20.0		106	70-130		
Tetrachloroethene	23.0		µg/kg wet		20.0		115	70-130		
Toluene	22.0		µg/kg wet		20.0		110	70-130		
1,2,3-Trichlorobenzene	22.0		µg/kg wet		20.0		110	70-130		
1,2,4-Trichlorobenzene	21.1		µg/kg wet		20.0		106	70-130		
1,1,1-Trichloroethane	22.8		µg/kg wet		20.0		114	70-130		
1,1,2-Trichloroethane	21.6		µg/kg wet		20.0		108	70-130		
Trichloroethene	23.5		µg/kg wet		20.0		118	70-130		
Trichlorofluoromethane (Freon 11)	20.7		µg/kg wet		20.0		104	56.8-140		
1,2,3-Trichloropropane	23.0		µg/kg wet		20.0		115	70-130		
1,2,4-Trimethylbenzene	22.1		µg/kg wet		20.0		110	70-130		
1,3,5-Trimethylbenzene	21.9		µg/kg wet		20.0		110	70-130		
Vinyl chloride	14.2		µg/kg wet		20.0		71	70-130		
m,p-Xylene	46.1		µg/kg wet		40.0		115	70-130		
o-Xylene	23.0		µg/kg wet		20.0		115	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050177 - SW846 5035A Soil (low level)										
LCS (7050177-BS1)										
Prepared: 02-May-07 Analyzed: 04-May-07										
Tetrahydrofuran	21.1		µg/kg wet		20.0		106	70-130		
Ethyl ether	21.9		µg/kg wet		20.0		110	65.3-130		
Tert-amyl methyl ether	23.9		µg/kg wet		20.0		120	70-130		
Ethyl tert-butyl ether	21.2		µg/kg wet		20.0		106	70-130		
Di-isopropyl ether	21.0		µg/kg wet		20.0		105	70-130		
Tert-Butanol / butyl alcohol	207		µg/kg wet		200		104	70-130		
1,4-Dioxane	261		µg/kg wet		200		130	34-155		
Surrogate: 4-Bromofluorobenzene	*52.6*		µg/kg wet		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*51.5*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.5*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*52.2*		µg/kg wet		*50.0*		*104*	*70-130*		
LCS Dup (7050177-BSD1)										
Prepared: 02-May-07 Analyzed: 04-May-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	24.0		µg/kg wet		20.0		120	70-130	8	25
Acetone	0.0	QC2, U	µg/kg wet		20.0			1.77-175		50
Acrylonitrile	22.1		µg/kg wet		20.0		110	70-130	5	25
Benzene	24.6		µg/kg wet		20.0		123	70-130	6	25
Bromobenzene	23.1		µg/kg wet		20.0		116	70-130	3	25
Bromochloromethane	27.8	QC1	µg/kg wet		20.0		139	70-130	10	25
Bromodichloromethane	24.4		µg/kg wet		20.0		122	70-130	9	25
Bromoform	21.7		µg/kg wet		20.0		108	70-130	4	25
Bromomethane	25.3		µg/kg wet		20.0		126	55.3-136	30	50
2-Butanone (MEK)	11.1		µg/kg wet		20.0		56	38.8-142	5	50
n-Butylbenzene	20.2		µg/kg wet		20.0		101	70-130	1	25
sec-Butylbenzene	22.8		µg/kg wet		20.0		114	70-130	0.9	25
tert-Butylbenzene	23.0		µg/kg wet		20.0		115	70-130	0.9	25
Carbon disulfide	22.1		µg/kg wet		20.0		110	70-130	9	25
Carbon tetrachloride	23.1		µg/kg wet		20.0		116	70-130	4	25
Chlorobenzene	22.8		µg/kg wet		20.0		114	70-130	0	25
Chloroethane	22.8		µg/kg wet		20.0		114	55.3-130	16	50
Chloroform	23.2		µg/kg wet		20.0		116	70-130	4	25
Chloromethane	23.7		µg/kg wet		20.0		118	70-130	0	25
2-Chlorotoluene	21.8		µg/kg wet		20.0		109	70-130	3	25
4-Chlorotoluene	21.3		µg/kg wet		20.0		106	70-130	2	25
1,2-Dibromo-3-chloropropane	18.0		µg/kg wet		20.0		90	70-130	6	25
Dibromochloromethane	23.4		µg/kg wet		20.0		117	64.7-139	4	50
1,2-Dibromoethane (EDB)	23.7		µg/kg wet		20.0		118	70-130	2	25
Dibromomethane	24.2		µg/kg wet		20.0		121	70-130	7	25
1,2-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	1	25
1,3-Dichlorobenzene	22.3		µg/kg wet		20.0		112	70-130	4	25
1,4-Dichlorobenzene	21.1		µg/kg wet		20.0		106	70-130	3	25
Dichlorodifluoromethane (Freon12)	21.6		µg/kg wet		20.0		108	34.4-167	12	50
1,1-Dichloroethane	23.6		µg/kg wet		20.0		118	70-130	2	25
1,2-Dichloroethane	23.3		µg/kg wet		20.0		116	70-130	5	25
1,1-Dichloroethene	22.9		µg/kg wet		20.0		114	70-130	5	25
cis-1,2-Dichloroethene	25.7		µg/kg wet		20.0		128	70-130	7	25
trans-1,2-Dichloroethene	24.8		µg/kg wet		20.0		124	70-130	4	25
1,2-Dichloropropane	25.0		µg/kg wet		20.0		125	70-130	9	25
1,3-Dichloropropane	23.4		µg/kg wet		20.0		117	70-130	4	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050177 - SW846 5035A Soil (low level)										
LCS Dup (7050177-BSD1)										
Prepared: 02-May-07 Analyzed: 04-May-07										
2,2-Dichloropropane	21.2		µg/kg wet		20.0		106	70-130	6	25
1,1-Dichloropropene	23.6		µg/kg wet		20.0		118	70-130	2	25
cis-1,3-Dichloropropene	23.3		µg/kg wet		20.0		116	70-130	10	25
trans-1,3-Dichloropropene	23.4		µg/kg wet		20.0		117	70-130	10	25
Ethylbenzene	22.7		µg/kg wet		20.0		114	70-130	2	25
Hexachlorobutadiene	19.4		µg/kg wet		20.0		97	60.7-140	9	50
2-Hexanone (MBK)	12.1	QC1	µg/kg wet		20.0		60	70-130	14	25
Isopropylbenzene	21.8		µg/kg wet		20.0		109	70-130	2	25
4-Isopropyltoluene	21.2		µg/kg wet		20.0		106	70-130	0.9	25
Methyl tert-butyl ether	22.5		µg/kg wet		20.0		112	70-130	7	25
4-Methyl-2-pentanone (MIBK)	20.2		µg/kg wet		20.0		101	46.1-145	28	50
Methylene chloride	20.0		µg/kg wet		20.0		100	70-130	2	25
Naphthalene	19.9		µg/kg wet		20.0		100	70-130	6	25
n-Propylbenzene	22.3		µg/kg wet		20.0		112	70-130	0	25
Styrene	18.4		µg/kg wet		20.0		92	70-130	10	25
1,1,1,2-Tetrachloroethane	23.0		µg/kg wet		20.0		115	70-130	3	25
1,1,2,2-Tetrachloroethane	22.6		µg/kg wet		20.0		113	70-130	6	25
Tetrachloroethene	24.0		µg/kg wet		20.0		120	70-130	4	25
Toluene	24.0		µg/kg wet		20.0		120	70-130	9	25
1,2,3-Trichlorobenzene	20.5		µg/kg wet		20.0		102	70-130	8	25
1,2,4-Trichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	6	25
1,1,1-Trichloroethane	23.3		µg/kg wet		20.0		116	70-130	2	25
1,1,2-Trichloroethane	24.1		µg/kg wet		20.0		120	70-130	11	25
Trichloroethene	24.8		µg/kg wet		20.0		124	70-130	5	25
Trichlorofluoromethane (Freon 11)	21.0		µg/kg wet		20.0		105	56.8-140	1	50
1,2,3-Trichloropropane	22.1		µg/kg wet		20.0		110	70-130	4	25
1,2,4-Trimethylbenzene	22.3		µg/kg wet		20.0		112	70-130	2	25
1,3,5-Trimethylbenzene	21.9		µg/kg wet		20.0		110	70-130	0	25
Vinyl chloride	25.0	QR2	µg/kg wet		20.0		125	70-130	55	25
m,p-Xylene	45.8		µg/kg wet		40.0		114	70-130	0.9	25
o-Xylene	22.9		µg/kg wet		20.0		114	70-130	0.9	25
Tetrahydrofuran	22.5		µg/kg wet		20.0		112	70-130	6	25
Ethyl ether	23.0		µg/kg wet		20.0		115	65.3-130	4	50
Tert-amyl methyl ether	25.5		µg/kg wet		20.0		128	70-130	6	25
Ethyl tert-butyl ether	24.0		µg/kg wet		20.0		120	70-130	12	25
Di-isopropyl ether	23.5		µg/kg wet		20.0		118	70-130	12	25
Tert-Butanol / butyl alcohol	217		µg/kg wet		200		108	70-130	4	25
1,4-Dioxane	190	QR2	µg/kg wet		200		95	34-155	31	25
Surrogate: 4-Bromofluorobenzene	*51.4*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*53.2*		µg/kg wet		*50.0*		*106*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*53.4*		µg/kg wet		*50.0*		*107*	*70-130*		
Batch 7050328 - SW846 5030 Water MS										
Blank (7050328-BLK1)										
Prepared & Analyzed: 04-May-07										
Benzene	BRL	U	µg/l	1.00						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
Carbon tetrachloride	BRL	U	µg/l	1.00						
Chlorobenzene	BRL	U	µg/l	1.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050328 - SW846 5030 Water MS										
Blank (7050328-BLK1)										
Prepared & Analyzed: 04-May-07										
Chloroform	BRL	U	µg/l	1.00						
1,2-Dichloroethane	BRL	U	µg/l	1.00						
1,1-Dichloroethene	BRL	U	µg/l	1.00						
Tetrachloroethene	BRL	U	µg/l	1.00						
Toluene	BRL	U	µg/l	1.00						
Trichloroethene	BRL	U	µg/l	1.00						
Vinyl chloride	BRL	U	µg/l	1.00						
Surrogate: 4-Bromofluorobenzene	*47.6*		µg/l		*50.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*42.0*		µg/l		*50.0*		*84*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.6*		µg/l		*50.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*44.1*		µg/l		*50.0*		*88*	*70-130*		
LCS (7050328-BS1)										
Prepared & Analyzed: 04-May-07										
Benzene	21.1		µg/l		20.0		106	70-130		
2-Butanone (MEK)	13.5	QC2	µg/l		20.0		68	70-130		
Carbon tetrachloride	17.9		µg/l		20.0		90	70-130		
Chlorobenzene	21.7		µg/l		20.0		108	70-130		
Chloroform	21.4		µg/l		20.0		107	70-130		
1,2-Dichloroethane	21.7		µg/l		20.0		108	70-130		
1,1-Dichloroethene	19.1		µg/l		20.0		96	70-130		
Tetrachloroethene	20.7		µg/l		20.0		104	70-130		
Trichloroethene	21.3		µg/l		20.0		106	70-130		
Vinyl chloride	23.9		µg/l		20.0		120	70-130		
Surrogate: 4-Bromofluorobenzene	*49.4*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*49.2*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.9*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*49.7*		µg/l		*50.0*		*99*	*70-130*		
LCS Dup (7050328-BSD1)										
Prepared & Analyzed: 04-May-07										
Benzene	18.9		µg/l		20.0		94	70-130	12	30
2-Butanone (MEK)	12.2	QC2	µg/l		20.0		61	70-130	11	30
Carbon tetrachloride	15.7		µg/l		20.0		78	70-130	14	30
Chlorobenzene	20.5		µg/l		20.0		102	70-130	6	30
Chloroform	19.2		µg/l		20.0		96	70-130	11	30
1,2-Dichloroethane	20.0		µg/l		20.0		100	70-130	8	30
1,1-Dichloroethene	16.6		µg/l		20.0		83	70-130	15	30
Tetrachloroethene	18.5		µg/l		20.0		92	70-130	12	30
Trichloroethene	19.0		µg/l		20.0		95	70-130	11	30
Vinyl chloride	21.0		µg/l		20.0		105	70-130	13	30
Surrogate: 4-Bromofluorobenzene	*48.7*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*48.2*		µg/l		*50.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.5*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*48.8*		µg/l		*50.0*		*98*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050114 - SW846 3550B										
Blank (7050114-BLK1)										
Prepared: 02-May-07 Analyzed: 03-May-07										
Aldrin	BRL	U	µg/kg wet	14.3						
a-BHC	BRL	U	µg/kg wet	14.3						
b-BHC	BRL	U	µg/kg wet	14.3						
d-BHC	BRL	U	µg/kg wet	14.3						
g-BHC (Lindane)	BRL	U	µg/kg wet	14.3						
Chlordane	BRL	U	µg/kg wet	71.5						
4,4'-DDD (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDE (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDT (p,p')	BRL	U	µg/kg wet	14.3						
Dieldrin	BRL	U	µg/kg wet	14.3						
Endosulfan I	BRL	U	µg/kg wet	14.3						
Endosulfan II	BRL	U	µg/kg wet	14.3						
Endosulfan Sulfate	BRL	U	µg/kg wet	14.3						
Endrin	BRL	U	µg/kg wet	14.3						
Endrin Aldehyde	BRL	U	µg/kg wet	14.3						
Heptachlor	BRL	U	µg/kg wet	14.3						
Methoxychlor	BRL	U	µg/kg wet	14.3						
Heptachlor Epoxide	BRL	U	µg/kg wet	14.3						
Toxaphene	BRL	U	µg/kg wet	71.5						
a-Chlordane	BRL	U	µg/kg wet	14.3						
g-Chlordane	BRL	U	µg/kg wet	14.3						
Endrin Ketone	BRL	U	µg/kg wet	14.3						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*27.4*		µg/kg wet		*28.6*		*96*	*30-150*		
LCS (7050114-BS1)										
Prepared: 02-May-07 Analyzed: 03-May-07										
Aldrin	27.0		µg/kg wet	14.3	28.6		94	40-140		
a-BHC	25.0		µg/kg wet	14.3	28.6		87	40-140		
b-BHC	22.3		µg/kg wet	14.3	28.6		78	40-140		
d-BHC	15.6		µg/kg wet	14.3	28.6		55	40-140		
g-BHC (Lindane)	24.7		µg/kg wet	14.3	28.6		86	40-140		
4,4'-DDD (p,p')	26.5		µg/kg wet	14.3	28.6		93	40-140		
4,4'-DDE (p,p')	25.3		µg/kg wet	14.3	28.6		88	40-140		
4,4'-DDT (p,p')	22.9		µg/kg wet	14.3	28.6		80	40-140		
Dieldrin	27.0		µg/kg wet	14.3	28.6		94	40-140		
Endosulfan I	27.7		µg/kg wet	14.3	28.6		97	40-140		
Endosulfan II	27.3		µg/kg wet	14.3	28.6		95	40-140		
Endosulfan Sulfate	24.3		µg/kg wet	14.3	28.6		85	40-140		
Endrin	29.1		µg/kg wet	14.3	28.6		102	40-140		
Endrin Aldehyde	29.5		µg/kg wet	14.3	28.6		103	40-140		
Heptachlor	27.1		µg/kg wet	14.3	28.6		95	40-140		
Methoxychlor	25.9		µg/kg wet	14.3	28.6		91	40-140		
Heptachlor Epoxide	28.1		µg/kg wet	14.3	28.6		98	40-140		
a-Chlordane	28.1		µg/kg wet	14.3	28.6		98	40-140		
g-Chlordane	27.2		µg/kg wet	14.3	28.6		95	40-140		
Endrin Ketone	25.1		µg/kg wet	14.3	28.6		88	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.3*		µg/kg wet		*28.6*		*53*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*22.5*		µg/kg wet		*28.6*		*79*	*40-140*		
LCS Dup (7050114-BSD1)										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050114 - SW846 3550B										
Prepared: 02-May-07 Analyzed: 03-May-07										
Aldrin	26.1		µg/kg wet	14.3	28.6		91	40-140	3	30
a-BHC	24.5		µg/kg wet	14.3	28.6		86	40-140	1	30
b-BHC	22.5		µg/kg wet	14.3	28.6		79	40-140	1	30
d-BHC	16.2		µg/kg wet	14.3	28.6		57	40-140	4	30
g-BHC (Lindane)	24.7		µg/kg wet	14.3	28.6		86	40-140	0	30
4,4'-DDD (p,p')	27.7		µg/kg wet	14.3	28.6		97	40-140	4	30
4,4'-DDE (p,p')	25.2		µg/kg wet	14.3	28.6		88	40-140	0	30
4,4'-DDT (p,p')	25.2		µg/kg wet	14.3	28.6		88	40-140	10	30
Dieldrin	25.2		µg/kg wet	14.3	28.6		88	40-140	7	30
Endosulfan I	28.2		µg/kg wet	14.3	28.6		99	40-140	2	30
Endosulfan II	27.4		µg/kg wet	14.3	28.6		96	40-140	1	30
Endosulfan Sulfate	24.9		µg/kg wet	14.3	28.6		87	40-140	2	30
Endrin	29.6		µg/kg wet	14.3	28.6		103	40-140	1	30
Endrin Aldehyde	26.4		µg/kg wet	14.3	28.6		92	40-140	11	30
Heptachlor	28.0		µg/kg wet	14.3	28.6		98	40-140	3	30
Methoxychlor	26.2		µg/kg wet	14.3	28.6		92	40-140	1	30
Heptachlor Epoxide	27.3		µg/kg wet	14.3	28.6		95	40-140	3	30
a-Chlordane	25.4		µg/kg wet	14.3	28.6		89	40-140	10	30
g-Chlordane	26.4		µg/kg wet	14.3	28.6		92	40-140	3	30
Endrin Ketone	26.4		µg/kg wet	14.3	28.6		92	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.5*		µg/kg wet		*28.6*		*51*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*25.2*		µg/kg wet		*28.6*		*88*	*40-140*		
Duplicate (7050114-DUP1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 03-May-07										
Aldrin	BRL	U	µg/kg dry	15.5		BRL				30
a-BHC	BRL	U	µg/kg dry	15.5		BRL				30
b-BHC	BRL	U	µg/kg dry	15.5		BRL				30
d-BHC	BRL	U	µg/kg dry	15.5		BRL				30
g-BHC (Lindane)	BRL	U	µg/kg dry	15.5		BRL				30
Chlordane	BRL	U	µg/kg dry	77.5		BRL				30
4,4'-DDD (p,p')	BRL	U	µg/kg dry	15.5		BRL				30
4,4'-DDE (p,p')	BRL	U	µg/kg dry	15.5		BRL				30
4,4'-DDT (p,p')	BRL	U	µg/kg dry	15.5		BRL				30
Dieldrin	BRL	U	µg/kg dry	15.5		BRL				30
Endosulfan I	BRL	U	µg/kg dry	15.5		BRL				30
Endosulfan II	BRL	U	µg/kg dry	15.5		BRL				30
Endosulfan Sulfate	BRL	U	µg/kg dry	15.5		BRL				30
Endrin	BRL	U	µg/kg dry	15.5		BRL				30
Endrin Aldehyde	BRL	U	µg/kg dry	15.5		BRL				30
Heptachlor	BRL	U	µg/kg dry	15.5		BRL				30
Methoxychlor	BRL	U	µg/kg dry	15.5		BRL				30
Heptachlor Epoxide	BRL	U	µg/kg dry	15.5		BRL				30
Toxaphene	BRL	U	µg/kg dry	77.5		BRL				30
a-Chlordane	BRL	U	µg/kg dry	15.5		BRL				30
g-Chlordane	BRL	U	µg/kg dry	15.5		BRL				30
Endrin Ketone	BRL	U	µg/kg dry	15.5		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.9*		µg/kg dry		*31.0*		*61*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*31.2*		µg/kg dry		*31.0*		*101*	*30-150*		
Matrix Spike (7050114-MS1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 03-May-07										
Aldrin	28.3		µg/kg dry	15.3	30.6	BRL	92	30-150		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050114 - SW846 3550B										
Matrix Spike (7050114-MS1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 03-May-07										
a-BHC	27.2		µg/kg dry	15.3	30.6	BRL	89	30-150		
b-BHC	23.9		µg/kg dry	15.3	30.6	BRL	78	30-150		
d-BHC	17.7		µg/kg dry	15.3	30.6	BRL	58	30-150		
g-BHC (Lindane)	26.8		µg/kg dry	15.3	30.6	BRL	88	30-150		
4,4'-DDD (p,p')	31.3		µg/kg dry	15.3	30.6	BRL	102	30-150		
4,4'-DDE (p,p')	26.9		µg/kg dry	15.3	30.6	BRL	88	30-150		
4,4'-DDT (p,p')	27.5		µg/kg dry	15.3	30.6	BRL	90	30-150		
Dieldrin	28.0		µg/kg dry	15.3	30.6	BRL	92	30-150		
Endosulfan I	30.9		µg/kg dry	15.3	30.6	BRL	101	30-150		
Endosulfan II	30.7		µg/kg dry	15.3	30.6	BRL	100	30-150		
Endosulfan Sulfate	26.1		µg/kg dry	15.3	30.6	BRL	85	30-150		
Endrin	32.2		µg/kg dry	15.3	30.6	BRL	105	30-150		
Endrin Aldehyde	29.7		µg/kg dry	15.3	30.6	BRL	97	30-150		
Heptachlor	30.4		µg/kg dry	15.3	30.6	BRL	99	30-150		
Methoxychlor	27.6		µg/kg dry	15.3	30.6	BRL	90	30-150		
Heptachlor Epoxide	30.7		µg/kg dry	15.3	30.6	BRL	100	30-150		
a-Chlordane	29.9		µg/kg dry	15.3	30.6	BRL	98	30-150		
g-Chlordane	30.3		µg/kg dry	15.3	30.6	BRL	99	30-150		
Endrin Ketone	26.8		µg/kg dry	15.3	30.6	BRL	88	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.6*		µg/kg dry		*30.6*		*58*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*33.5*		µg/kg dry		*30.6*		*109*	*30-150*		
Matrix Spike Dup (7050114-MSD1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 04-May-07										
Aldrin	28.8		µg/kg dry	15.5	30.9	BRL	93	30-150	1	30
a-BHC	25.7		µg/kg dry	15.5	30.9	BRL	83	30-150	7	30
b-BHC	23.7		µg/kg dry	15.5	30.9	BRL	77	30-150	1	30
d-BHC	17.9		µg/kg dry	15.5	30.9	BRL	58	30-150	0	30
g-BHC (Lindane)	25.8		µg/kg dry	15.5	30.9	BRL	83	30-150	6	30
4,4'-DDD (p,p')	28.3		µg/kg dry	15.5	30.9	BRL	92	30-150	10	30
4,4'-DDE (p,p')	26.7		µg/kg dry	15.5	30.9	BRL	86	30-150	2	30
4,4'-DDT (p,p')	25.2		µg/kg dry	15.5	30.9	BRL	82	30-150	9	30
Dieldrin	28.1		µg/kg dry	15.5	30.9	BRL	91	30-150	1	30
Endosulfan I	31.8		µg/kg dry	15.5	30.9	BRL	103	30-150	2	30
Endosulfan II	29.8		µg/kg dry	15.5	30.9	BRL	96	30-150	4	30
Endosulfan Sulfate	25.4		µg/kg dry	15.5	30.9	BRL	82	30-150	4	30
Endrin	32.0		µg/kg dry	15.5	30.9	BRL	104	30-150	1	30
Endrin Aldehyde	31.8		µg/kg dry	15.5	30.9	BRL	103	30-150	6	30
Heptachlor	29.8		µg/kg dry	15.5	30.9	BRL	96	30-150	3	30
Methoxychlor	27.8		µg/kg dry	15.5	30.9	BRL	90	30-150	0	30
Heptachlor Epoxide	29.4		µg/kg dry	15.5	30.9	BRL	95	30-150	5	30
a-Chlordane	28.8		µg/kg dry	15.5	30.9	BRL	93	30-150	5	50
g-Chlordane	28.8		µg/kg dry	15.5	30.9	BRL	93	30-150	6	50
Endrin Ketone	27.3		µg/kg dry	15.5	30.9	BRL	88	30-150	0	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.5*		µg/kg dry		*30.9*		*53*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.1*		µg/kg dry		*30.9*		*84*	*30-150*		
Batch 7050115 - SW846 3550B										
Blank (7050115-BLK1)										
Prepared: 02-May-07 Analyzed: 03-May-07										
Aroclor-1016	BRL	U	µg/kg wet	28.6						

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Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050115 - SW846 3550B										
Blank (7050115-BLK1)										
Prepared: 02-May-07 Analyzed: 03-May-07										
Aroclor-1016 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1221	BRL	U	µg/kg wet	28.6						
Aroclor-1221 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1232	BRL	U	µg/kg wet	28.6						
Aroclor-1232 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1242	BRL	U	µg/kg wet	28.6						
Aroclor-1242 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1248	BRL	U	µg/kg wet	28.6						
Aroclor-1248 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1254	BRL	U	µg/kg wet	28.6						
Aroclor-1254 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1260	BRL	U	µg/kg wet	28.6						
Aroclor-1260 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1262	BRL	U	µg/kg wet	28.6						
Aroclor-1262 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1268	BRL	U	µg/kg wet	28.6						
Aroclor-1268 [2C]	BRL	U	µg/kg wet	28.6						
Surrogate: Decachlorobiphenyl (Sr)	*21.4*		µg/kg wet		*28.6*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.3*		µg/kg wet		*28.6*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg wet		*28.6*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
LCS (7050115-BS1)										
Prepared: 02-May-07 Analyzed: 03-May-07										
Aroclor-1016	384		µg/kg wet	28.6	357		108	50-140		
Aroclor-1016 [2C]	377		µg/kg wet	28.6	357		106	50-140		
Aroclor-1221	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1221 [2C]	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1232	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1232 [2C]	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1242	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1242 [2C]	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1248	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1248 [2C]	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1254	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1254 [2C]	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1260	334		µg/kg wet	28.6	357		94	50-140		
Aroclor-1260 [2C]	371		µg/kg wet	28.6	357		104	50-140		
Aroclor-1262	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1262 [2C]	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1268	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1268 [2C]	BRL	U	µg/kg wet	28.6				50-140		
Surrogate: Decachlorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.3*		µg/kg wet		*28.6*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*14.3*		µg/kg wet		*28.6*		*50*	*30-150*		
LCS Dup (7050115-BSD1)										
Prepared: 02-May-07 Analyzed: 03-May-07										
Aroclor-1016	374		µg/kg wet	28.6	357		105	50-140	3	30
Aroclor-1016 [2C]	361		µg/kg wet	28.6	357		101	50-140	5	30
Aroclor-1221	BRL	U	µg/kg wet	28.6				50-140		30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050115 - SW846 3550B										
LCS Dup (7050115-BSD1)										
Prepared: 02-May-07 Analyzed: 03-May-07										
Aroclor-1221 [2C]	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1232	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1232 [2C]	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1242	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1242 [2C]	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1248	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1248 [2C]	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1254	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1254 [2C]	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1260	339		µg/kg wet	28.6	357		95	50-140	1	30
Aroclor-1260 [2C]	359		µg/kg wet	28.6	357		101	50-140	3	30
Aroclor-1262	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1262 [2C]	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1268	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1268 [2C]	BRL	U	µg/kg wet	28.6				50-140		30
Surrogate: Decachlorobiphenyl (Sr)	*20.0*		µg/kg wet		*28.6*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.7*		µg/kg wet		*28.6*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*14.3*		µg/kg wet		*28.6*		*50*	*30-150*		
Duplicate (7050115-DUP1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 03-May-07										
Aroclor-1016	BRL	U	µg/kg dry	31.0		BRL				40
Aroclor-1016 [2C]	BRL	U	µg/kg dry	31.0		BRL				40
Aroclor-1221	BRL	U	µg/kg dry	31.0		BRL				40
Aroclor-1221 [2C]	BRL	U	µg/kg dry	31.0		BRL				40
Aroclor-1232	BRL	U	µg/kg dry	31.0		BRL				40
Aroclor-1232 [2C]	BRL	U	µg/kg dry	31.0		BRL				40
Aroclor-1242	BRL	U	µg/kg dry	31.0		BRL				40
Aroclor-1242 [2C]	BRL	U	µg/kg dry	31.0		BRL				40
Aroclor-1248	BRL	U	µg/kg dry	31.0		BRL				40
Aroclor-1248 [2C]	BRL	U	µg/kg dry	31.0		BRL				40
Aroclor-1254	BRL	U	µg/kg dry	31.0		BRL				40
Aroclor-1254 [2C]	BRL	U	µg/kg dry	31.0		BRL				40
Aroclor-1260	BRL	U	µg/kg dry	31.0		BRL				40
Aroclor-1260 [2C]	BRL	U	µg/kg dry	31.0		BRL				40
Aroclor-1262	BRL	U	µg/kg dry	31.0		BRL				40
Aroclor-1262 [2C]	BRL	U	µg/kg dry	31.0		BRL				40
Aroclor-1268	BRL	U	µg/kg dry	31.0		BRL				40
Aroclor-1268 [2C]	BRL	U	µg/kg dry	31.0		BRL				40
Surrogate: Decachlorobiphenyl (Sr)	*24.8*		µg/kg dry		*31.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*29.4*		µg/kg dry		*31.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.1*		µg/kg dry		*31.0*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*17.0*		µg/kg dry		*31.0*		*55*	*30-150*		
Matrix Spike (7050115-MS1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 03-May-07										
Aroclor-1016	419		µg/kg dry	30.8	385	BRL	109	40-135		
Aroclor-1016 [2C]	402		µg/kg dry	30.8	385	BRL	104	40-135		
Aroclor-1221	BRL	U	µg/kg dry	30.8		BRL		40-140		
Aroclor-1221 [2C]	BRL	U	µg/kg dry	30.8		BRL		40-140		
Aroclor-1232	BRL	U	µg/kg dry	30.8		BRL		40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050115 - SW846 3550B										
Matrix Spike (7050115-MS1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 03-May-07										
Aroclor-1232 [2C]	BRL	U	µg/kg dry	30.8		BRL		40-140		
Aroclor-1242	BRL	U	µg/kg dry	30.8		BRL		40-140		
Aroclor-1242 [2C]	BRL	U	µg/kg dry	30.8		BRL		40-140		
Aroclor-1248	BRL	U	µg/kg dry	30.8		BRL		40-140		
Aroclor-1248 [2C]	BRL	U	µg/kg dry	30.8		BRL		40-140		
Aroclor-1254	BRL	U	µg/kg dry	30.8		BRL		40-140		
Aroclor-1254 [2C]	BRL	U	µg/kg dry	30.8		BRL		40-140		
Aroclor-1260	389		µg/kg dry	30.8	385	BRL	101	40-135		
Aroclor-1260 [2C]	397		µg/kg dry	30.8	385	BRL	103	40-135		
Aroclor-1262	BRL	U	µg/kg dry	30.8		BRL		40-140		
Aroclor-1262 [2C]	BRL	U	µg/kg dry	30.8		BRL		40-140		
Aroclor-1268	BRL	U	µg/kg dry	30.8		BRL		40-140		
Aroclor-1268 [2C]	BRL	U	µg/kg dry	30.8		BRL		40-140		
Surrogate: Decachlorobiphenyl (Sr)	*24.6*		µg/kg dry		*30.8*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*30.8*		µg/kg dry		*30.8*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg dry		*30.8*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*16.9*		µg/kg dry		*30.8*		*55*	*30-150*		
Matrix Spike Dup (7050115-MSD1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 03-May-07										
Aroclor-1016	408		µg/kg dry	30.8	385	BRL	106	40-135	3	15
Aroclor-1016 [2C]	386		µg/kg dry	30.8	385	BRL	100	40-135	4	15
Aroclor-1221	BRL	U	µg/kg dry	30.8		BRL		40-140		50
Aroclor-1221 [2C]	BRL	U	µg/kg dry	30.8		BRL		40-140		50
Aroclor-1232	BRL	U	µg/kg dry	30.8		BRL		40-140		50
Aroclor-1232 [2C]	BRL	U	µg/kg dry	30.8		BRL		40-140		50
Aroclor-1242	BRL	U	µg/kg dry	30.8		BRL		40-140		50
Aroclor-1242 [2C]	BRL	U	µg/kg dry	30.8		BRL		40-140		50
Aroclor-1248	BRL	U	µg/kg dry	30.8		BRL		40-140		50
Aroclor-1248 [2C]	BRL	U	µg/kg dry	30.8		BRL		40-140		50
Aroclor-1254	BRL	U	µg/kg dry	30.8		BRL		40-140		50
Aroclor-1254 [2C]	BRL	U	µg/kg dry	30.8		BRL		40-140		50
Aroclor-1260	376		µg/kg dry	30.8	385	BRL	98	40-135	3	20
Aroclor-1260 [2C]	399		µg/kg dry	30.8	385	BRL	104	40-135	1	20
Aroclor-1262	BRL	U	µg/kg dry	30.8		BRL		40-140		50
Aroclor-1262 [2C]	BRL	U	µg/kg dry	30.8		BRL		40-140		50
Aroclor-1268	BRL	U	µg/kg dry	30.8		BRL		40-140		50
Aroclor-1268 [2C]	BRL	U	µg/kg dry	30.8		BRL		40-140		50
Surrogate: Decachlorobiphenyl (Sr)	*23.1*		µg/kg dry		*30.8*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*30.8*		µg/kg dry		*30.8*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.5*		µg/kg dry		*30.8*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*16.9*		µg/kg dry		*30.8*		*55*	*30-150*		
Batch 7050116 - SW846 3550B										
Blank (7050116-BLK1)										
Prepared: 02-May-07 Analyzed: 03-May-07										
2,4-D	BRL	U	µg/kg wet	6.70						
2,4,5-T	BRL	U	µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL	U	µg/kg wet	6.70						
2,4-DB	BRL	U	µg/kg wet	6.70						
Dalapon	BRL	U	µg/kg wet	6.70						
Dicamba	BRL	U	µg/kg wet	6.70						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050116 - SW846 3550B										
Blank (7050116-BLK1)										
Prepared: 02-May-07 Analyzed: 03-May-07										
Dinoseb	BRL	U	µg/kg wet	6.70						
Dichlorprop	BRL	U	µg/kg wet	6.70						
MCPB	BRL	U	µg/kg wet	670						
MCPA	BRL	U	µg/kg wet	670						
MCPP	BRL	U	µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.00*		µg/kg wet		*13.3*		*60*	*30-150*		
LCS (7050116-BS1)										
Prepared: 02-May-07 Analyzed: 03-May-07										
2,4-D	19.5		µg/kg wet	6.70	33.3		59	40-140		
2,4,5-T	20.5		µg/kg wet	6.70	33.3		62	40-140		
2,4,5-TP (Silvex)	19.6		µg/kg wet	6.70	33.3		59	40-140		
2,4-DB	22.1		µg/kg wet	6.70	33.3		66	40-140		
Dalapon	13.8		µg/kg wet	6.70	33.3		41	40-140		
Dicamba	20.1		µg/kg wet	6.70	33.3		60	40-140		
Dinoseb	21.0		µg/kg wet	6.70	33.3		63	40-140		
Dichlorprop	23.4		µg/kg wet	6.70	33.3		70	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.13*		µg/kg wet		*13.3*		*46*	*30-150*		
LCS Dup (7050116-BSD1)										
Prepared: 02-May-07 Analyzed: 03-May-07										
2,4-D	22.3		µg/kg wet	6.70	33.3		67	40-140	13	25
2,4,5-T	22.3		µg/kg wet	6.70	33.3		67	40-140	8	25
2,4,5-TP (Silvex)	20.5		µg/kg wet	6.70	33.3		62	40-140	5	25
2,4-DB	22.7		µg/kg wet	6.70	33.3		68	40-140	3	25
Dalapon	13.9		µg/kg wet	6.70	33.3		42	40-140	2	25
Dicamba	19.8		µg/kg wet	6.70	33.3		59	40-140	2	25
Dinoseb	23.2		µg/kg wet	6.70	33.3		70	40-140	11	25
Dichlorprop	26.5		µg/kg wet	6.70	33.3		80	40-140	13	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.20*		µg/kg wet		*13.3*		*47*	*30-150*		
Duplicate (7050116-DUP1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 03-May-07										
2,4-D	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-T	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70		BRL				30
2,4-DB	BRL	U	µg/kg dry	6.70		BRL				30
Dalapon	BRL	U	µg/kg dry	6.70		BRL				30
Dicamba	BRL	U	µg/kg dry	6.70		BRL				30
Dinoseb	BRL	U	µg/kg dry	6.70		BRL				30
Dichlorprop	BRL	U	µg/kg dry	6.70		BRL				30
MCPB	BRL	U	µg/kg dry	670		BRL				30
MCPA	BRL	U	µg/kg dry	670		BRL				30
MCPP	BRL	U	µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.96*		µg/kg dry		*15.1*		*46*	*30-150*		
Batch 7050199 - SW846 3535										
Blank (7050199-BLK1)										
Prepared & Analyzed: 03-May-07										
Chlordane	BRL	U	µg/l	0.100						
Endrin	BRL	U	µg/l	0.020						
Heptachlor	BRL	U	µg/l	0.020						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050199 - SW846 3535										
Blank (7050199-BLK1)										
Prepared & Analyzed: 03-May-07										
Heptachlor Epoxide	BRL	U	µg/l	0.020						
g-BHC (Lindane)	BRL	U	µg/l	0.020						
Methoxychlor	BRL	U	µg/l	0.020						
Toxaphene	BRL	U	µg/l	0.100						
4,4'-DDD (p,p')	BRL	U	µg/l	0.020						
4,4'-DDE (p,p')	BRL	U	µg/l	0.020						
4,4'-DDT (p,p')	BRL	U	µg/l	0.020						
Dieldrin	BRL	U	µg/l	0.020						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0227*		µg/l		*0.0400*		*57*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0356*		µg/l		*0.0400*		*89*	*30-150*		
LCS (7050199-BS1)										
Prepared & Analyzed: 03-May-07										
Endrin	0.016		µg/l	0.010	0.0200		80	40-140		
Heptachlor	0.015		µg/l	0.010	0.0200		75	40-140		
Heptachlor Epoxide	0.015		µg/l	0.010	0.0200		75	40-140		
g-BHC (Lindane)	0.014		µg/l	0.010	0.0200		70	40-140		
Methoxychlor	0.016		µg/l	0.010	0.0200		80	40-140		
4,4'-DDD (p,p')	0.014		µg/l	0.010	0.0200		70	40-140		
4,4'-DDE (p,p')	0.014		µg/l	0.010	0.0200		70	40-140		
4,4'-DDT (p,p')	0.016		µg/l	0.010	0.0200		80	40-140		
Dieldrin	0.014		µg/l	0.010	0.0200		70	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0111*		µg/l		*0.0200*		*56*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0150*		µg/l		*0.0200*		*75*	*30-150*		
LCS Dup (7050199-BSD1)										
Prepared & Analyzed: 03-May-07										
Endrin	0.017		µg/l	0.010	0.0200		85	40-140	6	30
Heptachlor	0.015		µg/l	0.010	0.0200		75	40-140	0	30
Heptachlor Epoxide	0.015		µg/l	0.010	0.0200		75	40-140	0	30
g-BHC (Lindane)	0.013		µg/l	0.010	0.0200		65	40-140	7	30
Methoxychlor	0.017		µg/l	0.010	0.0200		85	40-140	6	30
4,4'-DDD (p,p')	0.014		µg/l	0.010	0.0200		70	40-140	0	30
4,4'-DDE (p,p')	0.014		µg/l	0.010	0.0200		70	40-140	0	30
4,4'-DDT (p,p')	0.016		µg/l	0.010	0.0200		80	40-140	0	30
Dieldrin	0.014		µg/l	0.010	0.0200		70	40-140	0	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0105*		µg/l		*0.0200*		*52*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0159*		µg/l		*0.0200*		*80*	*30-150*		
Duplicate (7050199-DUP1) **Source: SA61413-01**										
Prepared & Analyzed: 03-May-07										
Chlordane	BRL	U	µg/l	0.400		BRL				30
Endrin	BRL	U	µg/l	0.080		BRL				30
Heptachlor	BRL	U	µg/l	0.080		BRL				30
Heptachlor Epoxide	BRL	U	µg/l	0.080		BRL				30
g-BHC (Lindane)	BRL	U	µg/l	0.080		BRL				30
Methoxychlor	BRL	U	µg/l	0.080		BRL				30
Toxaphene	BRL	U	µg/l	0.400		BRL				30
4,4'-DDD (p,p')	BRL	U	µg/l	0.080		BRL				30
4,4'-DDE (p,p')	BRL	U	µg/l	0.080		BRL				30
4,4'-DDT (p,p')	BRL	U	µg/l	0.080		BRL				30
Dieldrin	BRL	U	µg/l	0.080		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050199 - SW846 3535										
Duplicate (7050199-DUP1) **Source: SA61413-01**										
Prepared & Analyzed: 03-May-07										
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0860*		µg/l		*0.160*		*54*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.123*		µg/l		*0.160*		*77*	*30-150*		
Batch 7050200 - SW846 3535										
Blank (7050200-BLK1)										
Prepared & Analyzed: 03-May-07										
2,4-D	BRL	U	µg/l	0.100						
2,4,5-TP (Silvex)	BRL	U	µg/l	0.100						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0990*		µg/l		*0.200*		*50*	*30-150*		
LCS (7050200-BS1)										
Prepared & Analyzed: 03-May-07										
2,4-D	0.351		µg/l	0.100	0.500		70	40-140		
2,4,5-TP (Silvex)	0.321		µg/l	0.100	0.500		64	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0980*		µg/l		*0.200*		*49*	*30-150*		
LCS Dup (7050200-BSD1)										
Prepared & Analyzed: 03-May-07										
2,4-D	0.379		µg/l	0.100	0.500		76	40-140	8	25
2,4,5-TP (Silvex)	0.322		µg/l	0.100	0.500		64	40-140	0	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.102*		µg/l		*0.200*		*51*	*30-150*		
Duplicate (7050200-DUP1) **Source: SA61413-01**										
Prepared & Analyzed: 03-May-07										
2,4-D	BRL	U	µg/l	0.100		BRL				30
2,4,5-TP (Silvex)	BRL	U	µg/l	0.100		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.102*		µg/l		*0.222*		*46*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050117 - SW846 3550B										
Blank (7050117-BLK1)										
Prepared: 02-May-07 Analyzed: 04-May-07										
Acenaphthene	BRL	U	µg/kg wet	330						
Acenaphthylene	BRL	U	µg/kg wet	330						
Aniline	BRL	U	µg/kg wet	330						
Anthracene	BRL	U	µg/kg wet	330						
Atrazine	BRL	U	µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL	U	µg/kg wet	330						
Benzidine	BRL	U	µg/kg wet	330						
Benzo (a) anthracene	BRL	U	µg/kg wet	330						
Benzo (a) pyrene	BRL	U	µg/kg wet	330						
Benzo (b) fluoranthene	BRL	U	µg/kg wet	330						
Benzo (g,h,i) perylene	BRL	U	µg/kg wet	330						
Benzo (k) fluoranthene	BRL	U	µg/kg wet	330						
Benzoic acid	BRL	U	µg/kg wet	330						
Benzyl alcohol	BRL	U	µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL	U	µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL	U	µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL	U	µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL	U	µg/kg wet	330						
Butyl benzyl phthalate	BRL	U	µg/kg wet	330						
Carbazole	BRL	U	µg/kg wet	330						
4-Chloro-3-methylphenol	BRL	U	µg/kg wet	330						
4-Chloroaniline	BRL	U	µg/kg wet	330						
2-Chloronaphthalene	BRL	U	µg/kg wet	330						
2-Chlorophenol	BRL	U	µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL	U	µg/kg wet	330						
Chrysene	BRL	U	µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL	U	µg/kg wet	330						
Dibenzofuran	BRL	U	µg/kg wet	330						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	330						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	330						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	330						
3,3´-Dichlorobenzidine	BRL	U	µg/kg wet	330						
2,4-Dichlorophenol	BRL	U	µg/kg wet	330						
Diethyl phthalate	BRL	U	µg/kg wet	330						
Dimethyl phthalate	BRL	U	µg/kg wet	330						
2,4-Dimethylphenol	BRL	U	µg/kg wet	330						
Di-n-butyl phthalate	BRL	U	µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL	U	µg/kg wet	330						
2,4-Dinitrophenol	BRL	U	µg/kg wet	330						
2,4-Dinitrotoluene	BRL	U	µg/kg wet	330						
2,6-Dinitrotoluene	BRL	U	µg/kg wet	330						
Di-n-octyl phthalate	BRL	U	µg/kg wet	330						
Fluoranthene	BRL	U	µg/kg wet	330						
Fluorene	BRL	U	µg/kg wet	330						
Hexachlorobenzene	BRL	U	µg/kg wet	330						
Hexachlorobutadiene	BRL	U	µg/kg wet	330						
Hexachlorocyclopentadiene	BRL	U	µg/kg wet	330						
Hexachloroethane	BRL	U	µg/kg wet	330						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050117 - SW846 3550B										
Blank (7050117-BLK1)										
Prepared: 02-May-07 Analyzed: 04-May-07										
Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg wet	330						
1-Methylnaphthalene	BRL	U	µg/kg wet	330						
Isophorone	BRL	U	µg/kg wet	330						
2-Methylnaphthalene	BRL	U	µg/kg wet	330						
2-Methylphenol	BRL	U	µg/kg wet	330						
3,4-Methylphenol	BRL	U	µg/kg wet	330						
Naphthalene	BRL	U	µg/kg wet	330						
2-Nitroaniline	BRL	U	µg/kg wet	330						
3-Nitroaniline	BRL	U	µg/kg wet	330						
4-Nitroaniline	BRL	U	µg/kg wet	1320						
Nitrobenzene	BRL	U	µg/kg wet	330						
2-Nitrophenol	BRL	U	µg/kg wet	330						
4-Nitrophenol	BRL	U	µg/kg wet	1320						
N-Nitrosodimethylamine	BRL	U	µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL	U	µg/kg wet	330						
N-Nitrosodiphenylamine	BRL	U	µg/kg wet	330						
Pentachlorophenol	BRL	U	µg/kg wet	1320						
Phenanthrene	BRL	U	µg/kg wet	330						
Phenol	BRL	U	µg/kg wet	330						
Pyrene	BRL	U	µg/kg wet	330						
Pyridine	BRL	U	µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	330						
2,4,5-Trichlorophenol	BRL	U	µg/kg wet	330						
2,4,6-Trichlorophenol	BRL	U	µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*4090*		µg/kg wet		*6670*		*61*	*30-130*		
Surrogate: 2-Fluorophenol	*4410*		µg/kg wet		*6670*		*66*	*15-110*		
Surrogate: Nitrobenzene-d5	*4340*		µg/kg wet		*6670*		*65*	*30-130*		
Surrogate: Phenol-d5	*4370*		µg/kg wet		*6670*		*66*	*15-110*		
Surrogate: Terphenyl-dl4	*4430*		µg/kg wet		*6670*		*66*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*4610*		µg/kg wet		*6670*		*69*	*15-110*		
LCS (7050117-BS1)										
Prepared: 02-May-07 Analyzed: 04-May-07										
Acenaphthene	4210		µg/kg wet	330	6670		63	40-130		
Acenaphthylene	4070		µg/kg wet	330	6670		61	40-130		
Aniline	5400		µg/kg wet	330	6670		81	40-130		
Anthracene	5270		µg/kg wet	330	6670		79	40-130		
Atrazine	13100	QC2	µg/kg wet	330	6670		196	40-130		
Azobenzene/Diphenyldiazine	4300		µg/kg wet	330	6670		64	40-130		
Benzidine	2810		µg/kg wet	330	6670		42	0-130		
Benzo (a) anthracene	4540		µg/kg wet	330	6670		68	40-130		
Benzo (a) pyrene	4510		µg/kg wet	330	6670		68	40-130		
Benzo (b) fluoranthene	4620		µg/kg wet	330	6670		69	40-130		
Benzo (g,h,i) perylene	4390		µg/kg wet	330	6670		66	40-130		
Benzo (k) fluoranthene	4450		µg/kg wet	330	6670		67	40-130		
Benzoic acid	5740		µg/kg wet	330	6670		86	6.16-130		
Benzyl alcohol	4750		µg/kg wet	330	6670		71	40-130		
Bis(2-chloroethoxy)methane	4510		µg/kg wet	330	6670		68	40-130		
Bis(2-chloroethyl)ether	4470		µg/kg wet	330	6670		67	40-130		
Bis(2-chloroisopropyl)ether	4690		µg/kg wet	330	6670		70	40-130		
Bis(2-ethylhexyl)phthalate	4540		µg/kg wet	330	6670		68	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050117 - SW846 3550B										
LCS (7050117-BS1)										
Prepared: 02-May-07 Analyzed: 04-May-07										
4-Bromophenyl phenyl ether	4530		µg/kg wet	330	6670		68	40-130		
Butyl benzyl phthalate	4620		µg/kg wet	330	6670		69	40-130		
Carbazole	4680		µg/kg wet	330	6670		70	40-130		
4-Chloro-3-methylphenol	4290		µg/kg wet	330	6670		64	40-130		
4-Chloroaniline	3770		µg/kg wet	330	6670		57	40-130		
2-Chloronaphthalene	4390		µg/kg wet	330	6670		66	40-130		
2-Chlorophenol	3950		µg/kg wet	330	6670		59	40-130		
4-Chlorophenyl phenyl ether	4460		µg/kg wet	330	6670		67	40-130		
Chrysene	4540		µg/kg wet	330	6670		68	40-130		
Dibenzo (a,h) anthracene	4540		µg/kg wet	330	6670		68	40-130		
Dibenzofuran	3940		µg/kg wet	330	6670		59	40-130		
1,2-Dichlorobenzene	5070		µg/kg wet	330	6670		76	40-130		
1,3-Dichlorobenzene	3990		µg/kg wet	330	6670		60	40-130		
1,4-Dichlorobenzene	3910		µg/kg wet	330	6670		59	40-130		
3,3´-Dichlorobenzidine	4800		µg/kg wet	330	6670		72	40-130		
2,4-Dichlorophenol	4080		µg/kg wet	330	6670		61	40-130		
Diethyl phthalate	4340		µg/kg wet	330	6670		65	40-130		
Dimethyl phthalate	3830		µg/kg wet	330	6670		57	40-130		
2,4-Dimethylphenol	4020		µg/kg wet	330	6670		60	40-130		
Di-n-butyl phthalate	5530		µg/kg wet	330	6670		83	40-130		
4,6-Dinitro-2-methylphenol	3700		µg/kg wet	330	6670		55	40-130		
2,4-Dinitrophenol	2890		µg/kg wet	330	6670		43	40-130		
2,4-Dinitrotoluene	5290		µg/kg wet	330	6670		79	40-130		
2,6-Dinitrotoluene	5170		µg/kg wet	330	6670		78	40-130		
Di-n-octyl phthalate	4460		µg/kg wet	330	6670		67	40-130		
Fluoranthene	4360		µg/kg wet	330	6670		65	40-130		
Fluorene	4240		µg/kg wet	330	6670		64	40-130		
Hexachlorobenzene	4440		µg/kg wet	330	6670		67	40-130		
Hexachlorobutadiene	4390		µg/kg wet	330	6670		66	40-130		
Hexachlorocyclopentadiene	4040		µg/kg wet	330	6670		61	40-130		
Hexachloroethane	4600		µg/kg wet	330	6670		69	40-130		
Indeno (1,2,3-cd) pyrene	4860		µg/kg wet	330	6670		73	40-130		
Isophorone	4710		µg/kg wet	330	6670		71	40-130		
1-Methylnaphthalene	4250		µg/kg wet	330	6670		64	40-140		
2-Methylnaphthalene	4320		µg/kg wet	330	6670		65	40-130		
2-Methylphenol	4340		µg/kg wet	330	6670		65	40-130		
3,4-Methylphenol	4320		µg/kg wet	330	6670		65	40-130		
Naphthalene	4510		µg/kg wet	330	6670		68	40-130		
2-Nitroaniline	4970		µg/kg wet	330	6670		75	40-130		
3-Nitroaniline	3380		µg/kg wet	330	6670		51	40-130		
4-Nitroaniline	5650		µg/kg wet	1320	6670		85	40-130		
Nitrobenzene	4410		µg/kg wet	330	6670		66	40-130		
2-Nitrophenol	4270		µg/kg wet	330	6670		64	40-130		
4-Nitrophenol	5000		µg/kg wet	1320	6670		75	40-130		
N-Nitrosodimethylamine	4380		µg/kg wet	330	6670		66	40-130		
N-Nitrosodi-n-propylamine	4250		µg/kg wet	330	6670		64	40-130		
N-Nitrosodiphenylamine	4370		µg/kg wet	330	6670		66	40-130		
Pentachlorophenol	4830		µg/kg wet	1320	6670		72	40-130		
Phenanthrene	4700		µg/kg wet	330	6670		70	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050117 - SW846 3550B										
LCS (7050117-BS1)										
Prepared: 02-May-07 Analyzed: 04-May-07										
Phenol	3790		µg/kg wet	330	6670		57	40-130		
Pyrene	4350		µg/kg wet	330	6670		65	40-130		
Pyridine	2760		µg/kg wet	330	6670		41	40-130		
1,2,4-Trichlorobenzene	4470		µg/kg wet	330	6670		67	40-130		
2,4,5-Trichlorophenol	4340		µg/kg wet	330	6670		65	40-130		
2,4,6-Trichlorophenol	3410		µg/kg wet	330	6670		51	40-130		
Surrogate: 2-Fluorobiphenyl	*4450*		µg/kg wet		*13300*		*33*	*30-130*		
Surrogate: 2-Fluorophenol	*4160*		µg/kg wet		*13300*		*31*	*15-110*		
Surrogate: Nitrobenzene-d5	*4680*		µg/kg wet		*13300*		*35*	*30-130*		
Surrogate: Phenol-d5	*3740*		µg/kg wet		*13300*		*28*	*15-110*		
Surrogate: Terphenyl-dl4	*4550*		µg/kg wet		*13300*		*34*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*4870*		µg/kg wet		*13300*		*37*	*15-110*		
Duplicate (7050117-DUP1) **Source: SA61379-03**										
Prepared: 02-May-07 Analyzed: 04-May-07										
Acenaphthene	BRL	U	µg/kg wet	177		BRL				50
Acenaphthylene	BRL	U	µg/kg wet	177		BRL				50
Aniline	BRL	U	µg/kg wet	177		BRL				50
Anthracene	BRL	U	µg/kg wet	177		BRL				50
Atrazine	BRL	U	µg/kg wet	177		BRL				50
Azobenzene/Diphenyldiazine	BRL	U	µg/kg wet	177		BRL				50
Benzidine	BRL	U	µg/kg wet	177		BRL				50
Benzo (a) anthracene	BRL	U	µg/kg wet	177		BRL				50
Benzo (a) pyrene	BRL	U	µg/kg wet	177		BRL				50
Benzo (b) fluoranthene	BRL	U	µg/kg wet	177		BRL				50
Benzo (g,h,i) perylene	BRL	U	µg/kg wet	177		BRL				50
Benzo (k) fluoranthene	BRL	U	µg/kg wet	177		BRL				50
Benzoic acid	BRL	U	µg/kg wet	177		BRL				50
Benzyl alcohol	BRL	U	µg/kg wet	177		BRL				50
Bis(2-chloroethoxy)methane	BRL	U	µg/kg wet	177		BRL				50
Bis(2-chloroethyl)ether	BRL	U	µg/kg wet	177		BRL				50
Bis(2-chloroisopropyl)ether	BRL	U	µg/kg wet	177		BRL				50
Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg wet	177		BRL				50
4-Bromophenyl phenyl ether	BRL	U	µg/kg wet	177		BRL				50
Butyl benzyl phthalate	BRL	U	µg/kg wet	177		BRL				50
Carbazole	BRL	U	µg/kg wet	177		BRL				50
4-Chloro-3-methylphenol	BRL	U	µg/kg wet	177		BRL				50
4-Chloroaniline	BRL	U	µg/kg wet	177		BRL				50
2-Chloronaphthalene	BRL	U	µg/kg wet	177		BRL				50
2-Chlorophenol	BRL	U	µg/kg wet	177		BRL				50
4-Chlorophenyl phenyl ether	BRL	U	µg/kg wet	177		BRL				50
Chrysene	BRL	U	µg/kg wet	177		BRL				50
Dibenzo (a,h) anthracene	BRL	U	µg/kg wet	177		BRL				50
Dibenzofuran	BRL	U	µg/kg wet	177		BRL				50
1,2-Dichlorobenzene	BRL	U	µg/kg wet	177		BRL				50
1,3-Dichlorobenzene	BRL	U	µg/kg wet	177		BRL				50
1,4-Dichlorobenzene	BRL	U	µg/kg wet	177		BRL				50
3,3´-Dichlorobenzidine	BRL	U	µg/kg wet	177		BRL				50
2,4-Dichlorophenol	BRL	U	µg/kg wet	177		BRL				50
Diethyl phthalate	BRL	U	µg/kg wet	177		BRL				50
Dimethyl phthalate	BRL	U	µg/kg wet	177		BRL				50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050117 - SW846 3550B										
Duplicate (7050117-DUP1) **Source: SA61379-03**										
Prepared: 02-May-07 Analyzed: 04-May-07										
2,4-Dimethylphenol	BRL	U	µg/kg wet	177		BRL				50
Di-n-butyl phthalate	BRL	U	µg/kg wet	177		BRL				50
4,6-Dinitro-2-methylphenol	BRL	U	µg/kg wet	177		BRL				50
2,4-Dinitrophenol	BRL	U	µg/kg wet	177		BRL				50
2,4-Dinitrotoluene	BRL	U	µg/kg wet	177		BRL				50
2,6-Dinitrotoluene	BRL	U	µg/kg wet	177		BRL				50
Di-n-octyl phthalate	BRL	U	µg/kg wet	177		BRL				50
Fluoranthene	BRL	U	µg/kg wet	177		BRL				50
Fluorene	BRL	U	µg/kg wet	177		BRL				50
Hexachlorobenzene	BRL	U	µg/kg wet	177		BRL				50
Hexachlorobutadiene	BRL	U	µg/kg wet	177		BRL				50
Hexachlorocyclopentadiene	BRL	U	µg/kg wet	177		BRL				50
Hexachloroethane	BRL	U	µg/kg wet	177		BRL				50
Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg wet	177		BRL				50
Isophorone	BRL	U	µg/kg wet	177		BRL				50
1-Methylnaphthalene	BRL	U	µg/kg wet	177		BRL				50
2-Methylnaphthalene	BRL	U	µg/kg wet	177		BRL				50
2-Methylphenol	BRL	U	µg/kg wet	177		BRL				50
3,4-Methylphenol	BRL	U	µg/kg wet	177		BRL				50
Naphthalene	BRL	U	µg/kg wet	177		BRL				50
2-Nitroaniline	BRL	U	µg/kg wet	177		BRL				50
3-Nitroaniline	BRL	U	µg/kg wet	177		BRL				50
4-Nitroaniline	BRL	U	µg/kg wet	707		BRL				50
Nitrobenzene	BRL	U	µg/kg wet	177		BRL				50
2-Nitrophenol	BRL	U	µg/kg wet	177		BRL				50
4-Nitrophenol	BRL	U	µg/kg wet	707		BRL				50
N-Nitrosodimethylamine	BRL	U	µg/kg wet	177		BRL				50
N-Nitrosodi-n-propylamine	BRL	U	µg/kg wet	177		BRL				50
N-Nitrosodiphenylamine	BRL	U	µg/kg wet	177		BRL				50
Pentachlorophenol	BRL	U	µg/kg wet	707		BRL				50
Phenanthrene	BRL	U	µg/kg wet	177		BRL				50
Phenol	BRL	U	µg/kg wet	177		BRL				50
Pyrene	BRL	U	µg/kg wet	177		BRL				50
Pyridine	BRL	U	µg/kg wet	177		BRL				50
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	177		BRL				50
2,4,5-Trichlorophenol	BRL	U	µg/kg wet	177		BRL				50
2,4,6-Trichlorophenol	BRL	U	µg/kg wet	177		BRL				50
Surrogate: 2-Fluorobiphenyl	*1050*		µg/kg wet		*1780*		*59*	*30-130*		
Surrogate: 2-Fluorophenol	*928*		µg/kg wet		*1780*		*52*	*15-110*		
Surrogate: Nitrobenzene-d5	*926*		µg/kg wet		*1780*		*52*	*30-130*		
Surrogate: Phenol-d5	*931*		µg/kg wet		*1780*		*52*	*15-110*		
Surrogate: Terphenyl-dl4	*1100*		µg/kg wet		*1780*		*62*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*976*		µg/kg wet		*1780*		*55*	*15-110*		
Matrix Spike (7050117-MS1) **Source: SA61379-03**										
Prepared: 02-May-07 Analyzed: 04-May-07										
Acenaphthene	1720		µg/kg wet	174	3510	BRL	49	40-140		
4-Chloro-3-methylphenol	3240		µg/kg wet	174	7020	BRL	46	30-130		
2-Chlorophenol	3140		µg/kg wet	174	7020	BRL	45	30-130		
1,4-Dichlorobenzene	1690		µg/kg wet	174	3510	BRL	48	40-140		
2,4-Dinitrotoluene	1920		µg/kg wet	174	3510	BRL	55	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050117 - SW846 3550B										
Matrix Spike (7050117-MS1) **Source: SA61379-03**										
Prepared: 02-May-07 Analyzed: 04-May-07										
4-Nitrophenol	3680		µg/kg wet	695	7020	BRL	52	30-130		
N-Nitrosodi-n-propylamine	2510		µg/kg wet	174	3510	BRL	72	40-140		
Pentachlorophenol	3320		µg/kg wet	695	7020	BRL	47	30-130		
Phenol	3200		µg/kg wet	174	7020	BRL	46	30-130		
Pyrene	1930		µg/kg wet	174	3510	BRL	55	40-140		
1,2,4-Trichlorobenzene	1810		µg/kg wet	174	3510	BRL	52	40-140		
Surrogate: 2-Fluorobiphenyl	*1860*		µg/kg wet		*3510*		*53*	*30-130*		
Surrogate: 2-Fluorophenol	*1780*		µg/kg wet		*3510*		*51*	*15-110*		
Surrogate: Nitrobenzene-d5	*1910*		µg/kg wet		*3510*		*54*	*30-130*		
Surrogate: Phenol-d5	*1610*		µg/kg wet		*3510*		*46*	*15-110*		
Surrogate: Terphenyl-dl4	*2040*		µg/kg wet		*3510*		*58*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2060*		µg/kg wet		*3510*		*59*	*15-110*		
Matrix Spike Dup (7050117-MSD1) **Source: SA61379-03**										
Prepared: 02-May-07 Analyzed: 04-May-07										
Acenaphthene	1750		µg/kg wet	176	3560	BRL	49	40-140	0	30
4-Chloro-3-methylphenol	3270		µg/kg wet	176	7120	BRL	46	30-130	0	30
2-Chlorophenol	3130		µg/kg wet	176	7120	BRL	44	30-130	2	30
1,4-Dichlorobenzene	1700		µg/kg wet	176	3560	BRL	48	40-140	0	30
2,4-Dinitrotoluene	1980		µg/kg wet	176	3560	BRL	56	40-140	2	30
4-Nitrophenol	3690		µg/kg wet	705	7120	BRL	52	30-130	0	30
N-Nitrosodi-n-propylamine	2500		µg/kg wet	176	3560	BRL	70	40-140	3	30
Pentachlorophenol	3380		µg/kg wet	705	7120	BRL	47	30-130	0	30
Phenol	3200		µg/kg wet	176	7120	BRL	45	30-130	2	30
Pyrene	1970		µg/kg wet	176	3560	BRL	55	40-140	0	30
1,2,4-Trichlorobenzene	1810		µg/kg wet	176	3560	BRL	51	40-140	2	30
Surrogate: 2-Fluorobiphenyl	*1910*		µg/kg wet		*3560*		*54*	*30-130*		
Surrogate: 2-Fluorophenol	*1820*		µg/kg wet		*3560*		*51*	*15-110*		
Surrogate: Nitrobenzene-d5	*1990*		µg/kg wet		*3560*		*56*	*30-130*		
Surrogate: Phenol-d5	*1650*		µg/kg wet		*3560*		*46*	*15-110*		
Surrogate: Terphenyl-dl4	*2130*		µg/kg wet		*3560*		*60*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2130*		µg/kg wet		*3560*		*60*	*15-110*		
Batch 7050201 - SW846 3535										
Blank (7050201-BLK1)										
Prepared & Analyzed: 03-May-07										
1,4-Dichlorobenzene	BRL	U	µg/l	5.00						
2,4-Dinitrotoluene	BRL	U	µg/l	5.00						
Hexachlorobenzene	BRL	U	µg/l	5.00						
Hexachlorobutadiene	BRL	U	µg/l	5.00						
Hexachloroethane	BRL	U	µg/l	5.00						
2-Methylphenol	BRL	U	µg/l	5.00						
3,4-Methylphenol	BRL	U	µg/l	10.0						
Nitrobenzene	BRL	U	µg/l	5.00						
Pentachlorophenol	BRL	U	µg/l	5.00						
Pyridine	BRL	U	µg/l	5.00						
2,4,5-Trichlorophenol	BRL	U	µg/l	5.00						
2,4,6-Trichlorophenol	BRL	U	µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*283*		µg/l		*400*		*71*	*30-130*		
Surrogate: 2-Fluorophenol	*298*		µg/l		*400*		*74*	*15-110*		
Surrogate: Nitrobenzene-d5	*290*		µg/l		*400*		*72*	*30-130*		
Surrogate: Terphenyl-dl4	*291*		µg/l		*400*		*73*	*30-130*		
LCS (7050201-BS1)										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050201 - SW846 3535										
Prepared & Analyzed: 03-May-07										
1,4-Dichlorobenzene	272		µg/l	5.00	400		68	40-140		
2,4-Dinitrotoluene	347		µg/l	5.00	400		87	40-140		
Hexachlorobenzene	323		µg/l	5.00	400		81	40-140		
Hexachlorobutadiene	303		µg/l	5.00	400		76	40-140		
Hexachloroethane	279		µg/l	5.00	400		70	40-140		
2-Methylphenol	254		µg/l	5.00	400		64	30-130		
3,4-Methylphenol	293		µg/l	10.0	400		73	40-130		
Nitrobenzene	316		µg/l	5.00	400		79	40-140		
Pentachlorophenol	283		µg/l	5.00	400		71	30-130		
Pyridine	231		µg/l	5.00	400		58	40-140		
2,4,5-Trichlorophenol	281		µg/l	5.00	400		70	30-130		
2,4,6-Trichlorophenol	256		µg/l	5.00	400		64	30-130		
Surrogate: 2-Fluorobiphenyl	*292*		µg/l		*800*		*36*	*30-130*		
Surrogate: 2-Fluorophenol	*227*		µg/l		*800*		*28*	*15-110*		
Surrogate: Nitrobenzene-d5	*294*		µg/l		*800*		*37*	*30-130*		
Surrogate: Terphenyl-dl4	*295*		µg/l		*800*		*37*	*30-130*		
Duplicate (7050201-DUP1) **Source: SA61413-01**										
Prepared & Analyzed: 03-May-07										
1,4-Dichlorobenzene	BRL	U	µg/l	5.00		BRL				50
2,4-Dinitrotoluene	BRL	U	µg/l	5.00		BRL				50
Hexachlorobenzene	BRL	U	µg/l	5.00		BRL				50
Hexachlorobutadiene	BRL	U	µg/l	5.00		BRL				50
Hexachloroethane	BRL	U	µg/l	5.00		BRL				50
2-Methylphenol	BRL	U	µg/l	5.00		BRL				50
3,4-Methylphenol	BRL	U	µg/l	10.0		BRL				50
Nitrobenzene	BRL	U	µg/l	5.00		BRL				50
Pentachlorophenol	BRL	U	µg/l	5.00		BRL				50
Pyridine	BRL	U	µg/l	5.00		BRL				50
2,4,5-Trichlorophenol	BRL	U	µg/l	5.00		BRL				50
2,4,6-Trichlorophenol	BRL	U	µg/l	5.00		BRL				50
Surrogate: 2-Fluorobiphenyl	*261*		µg/l		*400*		*65*	*30-130*		
Surrogate: 2-Fluorophenol	*284*		µg/l		*400*		*71*	*15-110*		
Surrogate: Nitrobenzene-d5	*249*		µg/l		*400*		*62*	*30-130*		
Surrogate: Terphenyl-dl4	*286*		µg/l		*400*		*72*	*30-130*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050147 - SW846 3050B										
Blank (7050147-BLK1)										
Prepared: 02-May-07 Analyzed: 03-May-07										
Iron	3.93	QB1	mg/kg wet	1.98						
Lead	0.935	J	mg/kg wet	1.48						
Magnesium	1.40	J	mg/kg wet	4.95						
Potassium	58.7	QB1	mg/kg wet	49.5						
Antimony	BRL	U	mg/kg wet	2.97						
Sodium	12.7	J	mg/kg wet	24.7						
Manganese	BRL	U	mg/kg wet	0.990						
Thallium	BRL	U	mg/kg wet	2.97						
Vanadium	BRL	U	mg/kg wet	1.48						
Selenium	BRL	U	mg/kg wet	1.48						
Zinc	1.99	QB1	mg/kg wet	0.990						
Nickel	BRL	U	mg/kg wet	0.990						
Cobalt	BRL	U	mg/kg wet	0.990						
Calcium	6.41	J	mg/kg wet	24.7						
Arsenic	BRL	U	mg/kg wet	1.48						
Aluminum	2.41	QB1	mg/kg wet	1.98						
Beryllium	BRL	U	mg/kg wet	0.495						
Cadmium	BRL	U	mg/kg wet	0.495						
Chromium	BRL	U	mg/kg wet	0.990						
Copper	BRL	U	mg/kg wet	0.990						
Silver	0.525	J	mg/kg wet	1.48						
Barium	BRL	U	mg/kg wet	0.990						
Duplicate (7050147-DUP1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 03-May-07										
Thallium	BRL	U	mg/kg dry	3.11		BRL				20
Zinc	28.8		mg/kg dry	1.04		25.7			11	20
Magnesium	19400		mg/kg dry	26.0		19200			1	20
Nickel	159		mg/kg dry	1.04		155			3	20
Antimony	BRL	U	mg/kg dry	3.11		0.391				20
Selenium	BRL	U	mg/kg dry	1.56		BRL				20
Vanadium	14.0		mg/kg dry	1.56		15.5			10	20
Manganese	231		mg/kg dry	1.04		207			11	20
Potassium	975		mg/kg dry	51.9		961			1	20
Iron	9700		mg/kg dry	2.08		9940			2	20
Sodium	353	QR6	mg/kg dry	26.0		217			48	20
Lead	12.7		mg/kg dry	1.56		10.7			17	20
Copper	16.6		mg/kg dry	1.04		16.4			1	20
Chromium	29.8		mg/kg dry	1.04		30.7			3	20
Cobalt	9.23		mg/kg dry	1.04		9.25			0.2	20
Calcium	16100	QM2	mg/kg dry	26.0		7050			78	20
Beryllium	0.145	J	mg/kg dry	0.519		0.174			18	20
Arsenic	1.97		mg/kg dry	1.56		2.12			7	20
Aluminum	4720		mg/kg dry	2.08		4170			12	20
Silver	0.644	J	mg/kg dry	1.56		0.617			4	20
Cadmium	BRL	U	mg/kg dry	0.519		0.0660				20
Barium	36.4		mg/kg dry	1.04		34.5			5	20
Matrix Spike (7050147-MS1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 03-May-07										
Thallium	114		mg/kg dry	3.13	131	BRL	87	75-125		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050147 - SW846 3050B										
Matrix Spike (7050147-MS1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 03-May-07										
Nickel	295		mg/kg dry	1.04	131	155	107	75-125		
Potassium	2970	QM8	mg/kg dry	52.2	1310	961	153	75-125		
Lead	125		mg/kg dry	1.57	131	10.7	87	75-125		
Sodium	1210	QM4X	mg/kg dry	26.1	653	217	152	75-125		
Manganese	437	QM8	mg/kg dry	1.04	131	207	176	75-125		
Magnesium	16100	QM2	mg/kg dry	26.1	131	19200	NR	75-125		
Selenium	112		mg/kg dry	1.57	131	BRL	85	75-125		
Vanadium	135		mg/kg dry	1.57	131	15.5	91	75-125		
Antimony	71.7	QM8	mg/kg dry	3.13	131	0.391	54	75-125		
Zinc	139		mg/kg dry	1.04	131	25.7	86	75-125		
Iron	10700	QM2	mg/kg dry	2.09	131	9940	580	75-125		
Cobalt	127		mg/kg dry	1.04	131	9.25	90	75-125		
Silver	76.9	QM8	mg/kg dry	1.57	131	0.617	58	75-125		
Aluminum	7830	QM2	mg/kg dry	2.09	131	4170	NR	75-125		
Calcium	9830	QM2	mg/kg dry	26.1	653	7050	426	75-125		
Copper	145		mg/kg dry	1.04	131	16.4	98	75-125		
Cadmium	119		mg/kg dry	0.522	131	0.0660	91	75-125		
Arsenic	117		mg/kg dry	1.57	131	2.12	88	75-125		
Chromium	163		mg/kg dry	1.04	131	30.7	101	75-125		
Beryllium	119		mg/kg dry	0.522	131	0.174	91	75-125		
Barium	175		mg/kg dry	1.04	131	34.5	107	75-125		
Matrix Spike Dup (7050147-MSD1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 03-May-07										
Manganese	376	QM8	mg/kg dry	0.994	124	207	136	75-125	15	35
Lead	119		mg/kg dry	1.49	124	10.7	87	75-125	5	35
Magnesium	44100	QM2	mg/kg dry	24.9	124	19200	NR	75-125	93	35
Iron	16400	QM2	mg/kg dry	1.99	124	9940	NR	75-125	42	35
Potassium	2710	QM8	mg/kg dry	49.7	1240	961	141	75-125	9	35
Selenium	109		mg/kg dry	1.49	124	BRL	88	75-125	3	35
Vanadium	129		mg/kg dry	1.49	124	15.5	92	75-125	5	35
Sodium	1030	QM4X	mg/kg dry	24.9	622	217	131	75-125	16	35
Nickel	500	QM4X, QR7	mg/kg dry	0.994	124	155	278	75-125	52	35
Zinc	134		mg/kg dry	0.994	124	25.7	87	75-125	4	35
Antimony	67.5	QM8	mg/kg dry	2.98	124	0.391	54	75-125	6	35
Thallium	112		mg/kg dry	2.98	124	BRL	90	75-125	2	35
Copper	133		mg/kg dry	0.994	124	16.4	94	75-125	9	35
Cadmium	115		mg/kg dry	0.497	124	0.0660	93	75-125	3	35
Cobalt	130		mg/kg dry	0.994	124	9.25	97	75-125	2	35
Aluminum	6710	QM2	mg/kg dry	1.99	124	4170	NR	75-125	15	35
Chromium	206	QM8	mg/kg dry	0.994	124	30.7	141	75-125	23	35
Silver	85.7	QM8	mg/kg dry	1.49	124	0.617	69	75-125	11	35
Beryllium	116		mg/kg dry	0.497	124	0.174	93	75-125	3	35
Arsenic	115		mg/kg dry	1.49	124	2.12	91	75-125	2	35
Calcium	7130	QM2	mg/kg dry	24.9	622	7050	13	75-125	32	35
Barium	155		mg/kg dry	0.994	124	34.5	97	75-125	12	35
Post Spike (7050147-PS1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 03-May-07										
Thallium	118		mg/kg dry	3.07	128	BRL	92	80-120		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050147 - SW846 3050B										
Post Spike (7050147-PS1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 03-May-07										
Selenium	115		mg/kg dry	1.53	128	BRL	90	80-120		
Zinc	133		mg/kg dry	1.02	128	25.7	84	80-120		
Antimony	107		mg/kg dry	3.07	128	0.391	83	80-120		
Vanadium	133		mg/kg dry	1.53	128	15.5	92	80-120		
Iron	10600	QM2	mg/kg dry	2.04	128	9940	516	80-120		
Manganese	360		mg/kg dry	1.02	128	207	120	80-120		
Sodium	853		mg/kg dry	25.6	639	217	100	80-120		
Nickel	314	QC1	mg/kg dry	1.02	128	155	124	80-120		
Potassium	2100		mg/kg dry	51.1	1280	961	89	80-120		
Magnesium	24000	QM2	mg/kg dry	25.6	128	19200	NR	80-120		
Lead	121		mg/kg dry	1.53	128	10.7	86	80-120		
Copper	146		mg/kg dry	1.02	128	16.4	101	80-120		
Arsenic	120		mg/kg dry	1.53	128	2.12	92	80-120		
Aluminum	4810	QM2	mg/kg dry	2.04	128	4170	500	80-120		
Silver	112		mg/kg dry	1.53	128	0.617	87	80-120		
Calcium	11200	QM2	mg/kg dry	25.6	639	7050	649	80-120		
Chromium	153		mg/kg dry	1.02	128	30.7	96	80-120		
Cobalt	126		mg/kg dry	1.02	128	9.25	91	80-120		
Cadmium	121		mg/kg dry	0.511	128	0.0660	94	80-120		
Beryllium	120		mg/kg dry	0.511	128	0.174	94	80-120		
Barium	198	QC1	mg/kg dry	1.02	128	34.5	128	80-120		
Reference (7050147-SRM1)										
Prepared: 02-May-07 Analyzed: 03-May-07										
Manganese	184		mg/kg wet	1.00	193		95	81.5-118.5		
Sodium	220		mg/kg wet	25.0	192		115	64.1-135.9		
Nickel	47.1		mg/kg wet	1.00	51.4		92	81-120.6		
Zinc	52.8		mg/kg wet	1.00	58.9		90	79.1-121.4		
Lead	53.7		mg/kg wet	1.50	60.4		89	78.4-120.8		
Vanadium	58.2		mg/kg wet	1.50	65.0		90	77.1-123.3		
Thallium	78.8		mg/kg wet	3.00	85.6		92	77.6-122.4		
Antimony	15.1		mg/kg wet	3.00	56.9		27	0-210.6		
Selenium	61.2		mg/kg wet	1.50	69.5		88	77.5-122.5		
Iron	6940		mg/kg wet	2.00	8410		83	53.2-146.1		
Potassium	1440		mg/kg wet	50.0	1220		118	73.3-126.8		
Magnesium	1520		mg/kg wet	5.00	1300		117	78-122		
Arsenic	69.0		mg/kg wet	1.50	76.0		91	76.8-123.2		
Beryllium	56.6		mg/kg wet	0.500	51.4		110	82.1-118.6		
Chromium	55.2		mg/kg wet	1.00	60.4		91	80.5-119.2		
Aluminum	4860		mg/kg wet	2.00	4590		106	52.8-146.9		
Silver	38.3		mg/kg wet	1.50	48.7		79	66.3-133.3		
Copper	39.9		mg/kg wet	1.00	41.8		95	78.2-121.7		
Calcium	3820		mg/kg wet	25.0	3450		111	80.7-119.3		
Cobalt	30.9		mg/kg wet	1.00	33.9		91	81.3-118.7		
Cadmium	44.9		mg/kg wet	0.500	48.0		94	80.1-119.6		
Barium	152		mg/kg wet	1.00	137		111	82-118		
Reference (7050147-SRM2)										
Prepared: 02-May-07 Analyzed: 03-May-07										
Zinc	53.5		mg/kg wet	1.00	59.1		91	79.1-121.4		
Iron	6700		mg/kg wet	2.00	8430		79	53.2-146.1		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050147 - SW846 3050B										
Reference (7050147-SRM2)										
Prepared: 02-May-07 Analyzed: 03-May-07										
Vanadium	57.6		mg/kg wet	1.50	65.1		88	77.1-123.3		
Selenium	62.6		mg/kg wet	1.50	69.7		90	77.5-122.5		
Potassium	1170		mg/kg wet	50.0	1230		95	73.3-126.8		
Magnesium	1270		mg/kg wet	5.00	1310		97	78-122		
Sodium	178		mg/kg wet	25.0	193		92	64.1-135.9		
Nickel	47.1		mg/kg wet	1.00	51.5		91	81-120.6		
Lead	57.6		mg/kg wet	1.50	60.6		95	78.4-120.8		
Thallium	78.6		mg/kg wet	3.00	85.8		92	77.6-122.4		
Antimony	13.5		mg/kg wet	3.00	57.0		24	0-210.6		
Manganese	186		mg/kg wet	1.00	194		96	81.5-118.5		
Silver	36.0		mg/kg wet	1.50	48.9		74	66.3-133.3		
Aluminum	4640		mg/kg wet	2.00	4600		101	52.8-146.9		
Calcium	3340		mg/kg wet	25.0	3460		97	80.7-119.3		
Cadmium	45.5		mg/kg wet	0.500	48.1		95	80.1-119.6		
Copper	40.4		mg/kg wet	1.00	41.9		96	78.2-121.7		
Chromium	55.2		mg/kg wet	1.00	60.6		91	80.5-119.2		
Cobalt	31.2		mg/kg wet	1.00	34.0		92	81.3-118.7		
Beryllium	47.5		mg/kg wet	0.500	51.5		92	82.1-118.6		
Arsenic	69.4		mg/kg wet	1.50	76.2		91	76.8-123.2		
Barium	127		mg/kg wet	1.00	137		93	82-118		
Batch 7050149 - EPA200/SW7000 Series										
Blank (7050149-BLK1)										
Prepared: 02-May-07 Analyzed: 03-May-07										
Mercury	BRL	U	mg/kg wet	0.0298						
Duplicate (7050149-DUP1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 03-May-07										
Mercury	BRL	U	mg/kg dry	0.0334		BRL				20
Matrix Spike (7050149-MS1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 03-May-07										
Mercury	0.421		mg/kg dry	0.0329	0.457	BRL	92	75-125		
Matrix Spike Dup (7050149-MSD1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 03-May-07										
Mercury	0.418		mg/kg dry	0.0329	0.457	BRL	91	75-125	0.7	35
Post Spike (7050149-PS1) **Source: SA61413-01**										
Prepared: 02-May-07 Analyzed: 03-May-07										
Mercury	0.460		mg/kg dry	0.0327	0.454	BRL	101	85-115		
Reference (7050149-SRM1)										
Prepared: 02-May-07 Analyzed: 03-May-07										
Mercury	1.33		mg/kg wet	0.0300	1.49		89	66-132.6		

TCLP Metals by EPA 1311 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050262 - SW846 3010A										
Blank (7050262-BLK1)										
Prepared & Analyzed: 03-May-07										
Selenium	BRL	U	mg/l	0.0150						
Lead	0.0096	J	mg/l	0.0225						
Chromium	BRL	U	mg/l	0.0050						
Silver	0.0072	QB2	mg/l	0.0050						
Arsenic	BRL	U	mg/l	0.0150						
Cadmium	BRL	U	mg/l	0.0025						
Barium	0.0036	J	mg/l	0.0050						
LCS (7050262-BS1)										
Prepared & Analyzed: 03-May-07										
Selenium	1.14		mg/l	0.0150	1.25		91	78.9-116		
Lead	1.14		mg/l	0.0225	1.25		91	74.1-104		
Arsenic	1.13		mg/l	0.0150	1.25		90	82.5-110		
Chromium	1.24		mg/l	0.0050	1.25		99	82-107		
Cadmium	1.23		mg/l	0.0025	1.25		98	81.6-115		
Silver	1.43	QC3	mg/l	0.0050	1.25		114	69.2-113		
Barium	1.26		mg/l	0.0050	1.25		101	86-117		
LCS Dup (7050262-BSD1)										
Prepared & Analyzed: 03-May-07										
Selenium	1.12		mg/l	0.0150	1.25		90	78.9-116	2	20
Lead	1.13		mg/l	0.0225	1.25		90	74.1-104	0.9	20
Arsenic	1.12		mg/l	0.0150	1.25		90	82.5-110	0.9	20
Silver	1.15	QR5	mg/l	0.0050	1.25		92	69.2-113	22	20
Cadmium	1.22		mg/l	0.0025	1.25		98	81.6-115	0.8	20
Chromium	1.23		mg/l	0.0050	1.25		98	82-107	0.8	20
Barium	1.25		mg/l	0.0050	1.25		100	86-117	0.8	20
Duplicate (7050262-DUP1) **Source: SA61413-01**										
Prepared & Analyzed: 03-May-07										
Lead	0.0179	J	mg/l	0.0225		0.0171			5	20
Selenium	BRL	U	mg/l	0.0150		BRL				20
Arsenic	BRL	U	mg/l	0.0150		BRL				20
Chromium	0.0064	QR6	mg/l	0.0050		0.0106			49	20
Cadmium	BRL	U	mg/l	0.0025		BRL				20
Silver	0.0030	QR4, J	mg/l	0.0050		0.0038			24	20
Barium	0.484		mg/l	0.0050		0.499			3	20
Matrix Spike (7050262-MS1) **Source: SA61413-01**										
Prepared & Analyzed: 03-May-07										
Selenium	1.13		mg/l	0.0150	1.25	BRL	90	79.9-113		
Lead	1.15		mg/l	0.0225	1.25	0.0171	91	68.9-106		
Cadmium	1.18		mg/l	0.0025	1.25	BRL	94	63.8-121		
Arsenic	1.12		mg/l	0.0150	1.25	BRL	90	82.9-109		
Silver	1.06		mg/l	0.0050	1.25	0.0038	84	70.4-112		
Chromium	1.21		mg/l	0.0050	1.25	0.0106	96	81-103		
Barium	1.70		mg/l	0.0050	1.25	0.499	96	84.5-116		
Matrix Spike Dup (7050262-MSD1) **Source: SA61413-01**										
Prepared & Analyzed: 03-May-07										
Lead	1.16		mg/l	0.0225	1.25	0.0171	91	68.9-106	0.9	35
Selenium	1.14		mg/l	0.0150	1.25	BRL	91	79.9-113	0.9	35

TCLP Metals by EPA 1311 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050262 - SW846 3010A										
Matrix Spike Dup (7050262-MSD1) **Source: SA61413-01**										
Prepared & Analyzed: 03-May-07										
Cadmium	1.20		mg/l	0.0025	1.25	BRL	96	63.8-121	2	35
Arsenic	1.14		mg/l	0.0150	1.25	BRL	91	82.9-109	2	35
Silver	1.11		mg/l	0.0050	1.25	0.0038	88	70.4-112	5	35
Chromium	1.18		mg/l	0.0050	1.25	0.0106	94	81-103	3	35
Barium	1.66		mg/l	0.0050	1.25	0.499	93	84.5-116	2	35
Post Spike (7050262-PS1) **Source: SA61413-01**										
Prepared & Analyzed: 03-May-07										
Lead	1.13		mg/l	0.0225	1.25	0.0171	89	69.1-106		
Selenium	1.14		mg/l	0.0150	1.25	BRL	91	80.7-114		
Chromium	1.21		mg/l	0.0050	1.25	0.0106	96	79.2-107		
Cadmium	1.18		mg/l	0.0025	1.25	BRL	94	70.9-117		
Arsenic	1.13		mg/l	0.0150	1.25	BRL	90	72.8-117		
Silver	1.29		mg/l	0.0050	1.25	0.0038	103	67.7-120		
Barium	1.74		mg/l	0.0050	1.25	0.499	99	84.7-117		
Batch 7050263 - EPA200/SW7000 Series										
Blank (7050263-BLK1)										
Prepared: 03-May-07 Analyzed: 04-May-07										
Mercury	BRL	U	mg/l	0.00020						
LCS (7050263-BS1)										
Prepared: 03-May-07 Analyzed: 04-May-07										
Mercury	0.00215		mg/l	0.00020	0.00250		86	63.3-124		
Duplicate (7050263-DUP1) **Source: SA61413-01**										
Prepared: 03-May-07 Analyzed: 04-May-07										
Mercury	BRL	U	mg/l	0.00020		BRL				20
Matrix Spike (7050263-MS1) **Source: SA61413-01**										
Prepared: 03-May-07 Analyzed: 04-May-07										
Mercury	0.00229		mg/l	0.00020	0.00250	BRL	92	53.1-126		
Matrix Spike Dup (7050263-MSD1) **Source: SA61413-01**										
Prepared: 03-May-07 Analyzed: 04-May-07										
Mercury	0.00209		mg/l	0.00020	0.00250	BRL	84	53.1-126	9	35
Post Spike (7050263-PS1) **Source: SA61413-01**										
Prepared: 03-May-07 Analyzed: 04-May-07										
Mercury	0.00209	QC1	mg/l	0.00020	0.00250	BRL	84	85-115		

Toxicity Characteristics - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050141 - General Preparation										
Duplicate (7050141-DUP1) **Source: SA61380-01**										
Prepared & Analyzed: 02-May-07										
pH	4.98		pH Units			5.02			0.8	5
Reference (7050141-SRM1)										
Prepared & Analyzed: 02-May-07										
pH	7.02		pH Units		7.00		100	90-110		
Batch 7050150 - General Preparation										
Duplicate (7050150-DUP1) **Source: SA61413-01**										
Prepared & Analyzed: 02-May-07										
Ignitability by Definition	Negative	U	N/A			Negative				35
Batch 7050343 - General Preparation										
Blank (7050343-BLK1)										
Prepared & Analyzed: 04-May-07										
Reactivity	Negative	U	mg/kg wet							
Reactive Cyanide	BRL	U	mg/kg wet	25.0						
Reactive Sulfide	BRL	U	mg/kg wet	50.0						
Duplicate (7050343-DUP1) **Source: SA61352-01**										
Prepared & Analyzed: 04-May-07										
Reactivity	Negative	U	mg/kg wet			0.00				200
Reactive Cyanide	BRL	U	mg/kg wet	24.8		BRL				20
Reactive Sulfide	BRL	U	mg/kg wet	49.5		BRL				20

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050205 - General Preparation										
Duplicate (7050205-DUP1) **Source: SA61337-07**										
Prepared & Analyzed: 03-May-07										
% Solids	92.9		%			93.7			0.9	20
Batch 7050280 - SW846 9010										
Blank (7050280-BLK1)										
Prepared & Analyzed: 03-May-07										
Cyanide (total)	BRL	U	mg/kg wet	1.00						
LCS (7050280-BS1)										
Prepared & Analyzed: 03-May-07										
Cyanide (total)	29.4		mg/kg wet	1.00	30.0		98	90-110		
LCS (7050280-BS2)										
Prepared & Analyzed: 03-May-07										
Cyanide (total)	75.4		mg/kg wet	1.00	80.0		94	90-110		
Duplicate (7050280-DUP1) **Source: SA61413-01**										
Prepared & Analyzed: 03-May-07										
Cyanide (total)	BRL	U	mg/kg dry	0.956		BRL				35
Matrix Spike (7050280-MS1) **Source: SA61413-01**										
Prepared & Analyzed: 03-May-07										
Cyanide (total)	10.8		mg/kg dry	1.08	10.8	BRL	100	75-125		
Matrix Spike Dup (7050280-MSD1) **Source: SA61413-01**										
Prepared & Analyzed: 03-May-07										
Cyanide (total)	11.4		mg/kg dry	1.11	11.1	BRL	103	75-125	5	35
Reference (7050280-SRM1)										
Prepared & Analyzed: 03-May-07										
Cyanide (total)	192		mg/kg wet	4.20	240		80	40-160		
Batch 7050362 - General Preparation										
Blank (7050362-BLK1)										
Prepared & Analyzed: 04-May-07										
Sulfide	0.0150	J	mg/kg	1.00						
LCS (7050362-BS1)										
Prepared & Analyzed: 04-May-07										
Sulfide	0.482	J	mg/kg	1.00	0.500		96	80-120		
Duplicate (7050362-DUP1) **Source: SA61413-01**										
Prepared & Analyzed: 04-May-07										
Sulfide	0.229	J	mg/kg	9.56		0.210			9	35
Matrix Spike (7050362-MS1) **Source: SA61413-01**										
Prepared & Analyzed: 04-May-07										
Sulfide	1.55	J	mg/kg	2.67	1.33	0.210	101	70-130		

Notes and Definitions

Comp	Completed
HT2	This sample was received outside the EPA recommended holding time for the analysis specified.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
Neg	Negative
O01	This compound is a common laboratory contaminant.
QB1	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
QB2	The method blank contains analyte at a concentration above the MRL, however no reportable concentration is present in the sample.
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QC3	The spike recovery is outside acceptable limits for the LCS. The batch was accepted based upon the MS and/or MSD meeting the LCS limits criteria.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR4	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
QR5	RPD out of acceptance range.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
QR7	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for batch duplicate.
U	Analyte included in the analysis, but not detected
vex1	Lab extracted
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

Report Date:
03-May-07 10:31

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
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Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: 166-218 Myrtle Ave - Brooklyn, NY
Project 5762901

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA61260-01	LEG 24-0-2	Soil	26-Apr-07 12:30	27-Apr-07 11:05

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 38 pages of analytical data plus Chain of Custody document(s).
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New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 24-0-2	5762901	Soil	26-Apr-07 12:30	27-Apr-07
SA61260-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
	TCLP Extraction	Completed		N/A			1	SW846 1311	28-Apr-07	28-Apr-07	7041901	BD
	VOC Extraction	Lab extracted		N/A			1	VOC	27-Apr-07	27-Apr-07	7041885	"
Volatile Organic Compounds			VOC8									
Prepared by method SW846 5030 Soil (high level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	54.8	22.5	50	SW 846 8260B	02-May-07	02-May-07	7050160	jro
67-64-1	Acetone	BRL	U	µg/kg dry	1100	480	50	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	54.8	6.0	50	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	54.8	4.9	50	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	548	38.9	50	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	274	4.9	50	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	54.8	5.5	50	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	54.8	7.1	50	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	110	12.1	50	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	54.8	4.4	50	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	54.8	8.2	50	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	54.8	12.6	50	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	54.8	5.5	50	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	54.8	7.7	50	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	54.8	3.8	50	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	54.8	4.9	50	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	54.8	4.4	50	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	54.8	5.5	50	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	54.8	4.9	50	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	54.8	6.6	50	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	548	6.0	50	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/kg dry	548	26.3	50	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	54.8	8.8	50	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	54.8	3.3	50	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	54.8	8.8	50	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	54.8	4.4	50	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	54.8	6.6	50	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	54.8	6.0	50	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	54.8	5.5	50	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	54.8	6.6	50	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	110	12.6	50	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	54.8	9.9	50	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*79*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*95*		*70-130 %*				"	"	"	"	"
TCLP Volatile Organic Compounds by 8260B (TCL)												
Prepared by method SW846 5030 Water MS												
71-43-2	Benzene	BRL	U	µg/l	5.00	2.85	5	SW846 1311/8260B	01-May-07	01-May-07	7050047	eq
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	50.0	12.2	5	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	5.00	2.90	5	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	5.00	2.60	5	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	5.00	4.00	5	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	5.00	2.10	5	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	5.00	2.95	5	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	5.00	2.55	5	"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 24-0-2 SA61260-01	5762901	Soil	26-Apr-07 12:30	27-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
TCLP Volatile Organic Compounds by 8260B (TCL)												
Prepared by method SW846 5030 Water MS												
108-88-3	Toluene	BRL	U	µg/l	5.00	3.20	5	SW846 1311/8260B	01-May-07	01-May-07	7050047	eq
79-01-6	Trichloroethene	BRL	U	µg/l	5.00	2.30	5	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	5.00	4.30	5	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*93*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*104*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
	TCLP Extraction	Completed		N/A			1	SW846 1311	28-Apr-07	28-Apr-07	7041899	BD
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	14.5	0.122	1	SW846 8081A	30-Apr-07	02-May-07	7041915	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	14.5	0.232	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	14.5	0.237	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	14.5	0.180	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	14.5	0.164	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	72.7	0.811	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	2.32	J	µg/kg dry	14.5	0.339	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	14.5	0.337	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	13.4	J	µg/kg dry	14.5	0.310	1	"	"	"	"	"
60-57-1	Dieldrin	BRL	U	µg/kg dry	14.5	0.220	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	14.5	0.595	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	14.5	0.523	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	14.5	0.379	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	14.5	0.496	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	14.5	0.392	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	14.5	0.149	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	14.5	0.221	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	14.5	0.221	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	14.5	0.549	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	14.5	0.977	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*103*		*30-150 %*				"	"	"	"	"
TCLP Pesticides by SW846 1311/8081A												
Prepared by method SW846 3535												
57-74-9	Chlordane	BRL	U	µg/l	0.400	0.064	1	SW846 1311/8081A	30-Apr-07	30-Apr-07	7041905	"
72-20-8	Endrin	BRL	U	µg/l	0.080	0.040	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/l	0.080	0.032	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/l	0.080	0.012	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/l	0.400	0.128	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
60-57-1	Dieldrin	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 24-0-2	5762901	Soil	26-Apr-07 12:30	27-Apr-07
SA61260-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GC												
TCLP Pesticides by SW846 1311/8081A												
Prepared by method SW846 3535												
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*52*		*30-150 %*				SW846 1311/8081A	30-Apr-07	30-Apr-07	7041905	TG
2051-24-3	*Decachlorobiphenyl (Sr)*	*82*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	30.9	1.94	1	SW846 8082	30-Apr-07	01-May-07	7041914	SM
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	30.9	1.94	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	30.9	4.53	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	30.9	3.88	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	30.9	4.64	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	30.9	1.40	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	30.9	1.62	1	"	"	"	"	"
37324-23-5	Aroclor-1262	15.4	J	µg/kg dry	30.9	0.259	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	30.9	0.124	1	"	"	"	"	"
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*		*30-150 %*				"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	30-Apr-07	02-May-07	7041931	MP
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*		*30-150 %*				"	"	"	"	"
TCLP Herbicides by SW846 1311/8151A												
Prepared by method SW846 3535												
94-75-7	2,4-D	BRL	U	µg/l	0.100	0.0190	1	SW846 1311/8151A	30-Apr-07	30-Apr-07	7041907	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/l	0.100	0.0170	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*43*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
	TCLP Extraction	Completed		N/A			1	SW846 1311	28-Apr-07	28-Apr-07	7041899	BD
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3545A												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	2940	71.3	5	SW846 8270C	27-Apr-07	01-May-07	7041849	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	2940	89.1	5	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	2940	226	5	"	"	"	"	"
120-12-7	Anthracene	1,090	J	µg/kg dry	2940	89.1	5	"	"	"	"	"
56-55-3	Benzo (a) anthracene	4,740		µg/kg dry	2940	190	5	"	"	"	"	"
50-32-8	Benzo (a) pyrene	4,140		µg/kg dry	2940	101	5	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	3,290		µg/kg dry	2940	392	5	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	2,150	J	µg/kg dry	2940	82.9	5	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	4,090		µg/kg dry	2940	119	5	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	2940	53.5	5	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	2940	565	5	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	2940	339	5	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	2940	107	5	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 24-0-2 SA61260-01	5762901	Soil	26-Apr-07 12:30	27-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3545A												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	2940	285	5	SW846 8270C	27-Apr-07	01-May-07	7041849	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	2940	59.5	5	"	"	"	"	"
218-01-9	Chrysene	4,730		µg/kg dry	2940	41.9	5	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	2940	47.2	5	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	2940	35.7	5	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	2940	214	5	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	2940	77.6	5	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	2940	95.4	5	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	2940	82.9	5	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	2940	77.6	5	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	2940	185	5	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	2940	71.3	5	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	2940	143	5	"	"	"	"	"
206-44-0	Fluoranthene	8,210		µg/kg dry	2940	71.3	5	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	2940	71.3	5	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	2940	220	5	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	2,160	J	µg/kg dry	2940	136	5	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	2940	178	5	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	2940	65.1	5	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	2940	125	5	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	2940	71.3	5	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	2940	113	5	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	2940	35.7	5	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	2940	101	5	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	2940	107	5	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	2940	136	5	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	11800	154	5	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	11800	190	5	"	"	"	"	"
85-01-8	Phenanthrene	3,650		µg/kg dry	2940	136	5	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	2940	59.5	5	"	"	"	"	"
129-00-0	Pyrene	8,850		µg/kg dry	2940	209	5	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	2940	59.5	5	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*100*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*101*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*87*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*76*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*101*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*74*		*15-110 %*				"	"	"	"	"
TCLP Semivolatiles by SW846 1311/8270C (TCL)												
Prepared by method SW846 3535												
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	5.00	0.220	1	SW846 1311/8270C	30-Apr-07	30-Apr-07	7041906	"
121-14-2	2,4-Dinitrotoluene	BRL	U	µg/l	5.00	0.210	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	5.00	0.370	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	5.00	0.560	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL	U	µg/l	5.00	0.510	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.00	0.210	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	10.0	0.240	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 24-0-2 SA61260-01	5762901	Soil	26-Apr-07 12:30	27-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
TCLP Semivolatiles by SW846 1311/8270C (TCL)												
Prepared by method SW846 3535												
98-95-3	Nitrobenzene	BRL	U	µg/l	5.00	0.180	1	SW846 1311/8270C	30-Apr-07	30-Apr-07	7041906	M.B
87-86-5	Pentachlorophenol	BRL	U	µg/l	5.00	0.320	1	"	"	"	"	"
110-86-1	Pyridine	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*52*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*57*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*52*		*30-130 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*54*		*30-130 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	14.4		mg/kg dry	1.49	0.348	1	SW846 6010B	30-Apr-07	02-May-07	7041999	HB
7429-90-5	Aluminum	5,230		mg/kg dry	1.99	1.24	1	"	"	"	"	"
7440-38-2	Arsenic	11.0		mg/kg dry	1.49	0.228	1	"	"	"	"	"
7440-39-3	Barium	381		mg/kg dry	0.993	0.167	1	"	"	"	"	"
7440-41-7	Beryllium	0.328	J	mg/kg dry	0.497	0.110	1	"	"	"	"	"
7440-70-2	Calcium	14,500		mg/kg dry	24.8	3.98	1	"	"	"	"	"
7440-43-9	Cadmium	0.899		mg/kg dry	0.497	0.0169	1	"	"	"	"	"
7440-48-4	Cobalt	5.24		mg/kg dry	0.993	0.0427	1	"	"	"	"	"
7440-47-3	Chromium	18.2	J	mg/kg dry	18.9	0.287	1	"	"	"	"	"
7440-50-8	Copper	73.6		mg/kg dry	0.993	0.193	1	"	"	"	"	"
7439-89-6	Iron	10,900		mg/kg dry	1.99	0.500	1	"	"	"	"	"
7439-97-6	Mercury	1.76		mg/kg dry	0.0316	0.0076	1	SW846 7471A	"	02-May-07	7042000	BT
7440-09-7	Potassium	785		mg/kg dry	49.7	17.4	1	SW846 6010B	"	02-May-07	7041999	HB
7439-95-4	Magnesium	7,490		mg/kg dry	4.97	0.147	1	"	"	"	"	"
7439-96-5	Manganese	186		mg/kg dry	0.993	0.278	1	"	"	"	"	"
7440-23-5	Sodium	326		mg/kg dry	32.3	5.77	1	"	"	"	"	"
7440-02-0	Nickel	25.0		mg/kg dry	3.08	0.0974	1	"	"	"	"	"
7439-92-1	Lead	705		mg/kg dry	1.49	0.155	1	"	"	"	"	"
7440-36-0	Antimony	0.507	J	mg/kg dry	2.98	0.363	1	"	"	"	"	"
7782-49-2	Selenium	0.646	J	mg/kg dry	1.49	0.321	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	2.98	0.466	1	"	"	"	"	"
7440-62-2	Vanadium	25.3		mg/kg dry	1.49	0.737	1	"	"	"	"	"
7440-66-6	Zinc	265		mg/kg dry	0.993	0.363	1	"	"	"	"	"
TCLP Metals by EPA 1311 & 6000/7000 Series Methods												
	TCLP Extraction	Completed		N/A			1	SW846 1311	28-Apr-07	28-Apr-07	7041900	BD
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0020	1	SW846 1311/6010B	30-Apr-07	01-May-07	7041954	HB
7440-38-2	Arsenic	BRL	U	mg/l	0.0150	0.0025	1	"	"	"	"	"
7440-39-3	Barium	0.950		mg/l	0.0050	0.0020	1	"	"	"	"	"
7440-43-9	Cadmium	0.0042		mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-47-3	Chromium	0.0059		mg/l	0.0050	0.0025	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00008	1	SW846 1311/7470A	01-May-07	01-May-07	7041956	BT

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 24-0-2 SA61260-01	5762901	Soil	26-Apr-07 12:30	27-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
TCLP Metals by EPA 1311 & 6000/7000 Series Methods												
7439-92-1	Lead	0.944		mg/l	0.0075	0.0025	1	SW846 1311/6010B	30-Apr-07	01-May-07	7041954	HB
7782-49-2	Selenium	0.0072	J	mg/l	0.0150	0.0050	1	"	"	"	"	"
Toxicity Characteristics												
	Ignitability by Definition	Negative	U	N/A			1	SW846 1030	02-May-07	02-May-07	7050150	YM
	pH	8.02	HT2	pH Units			1	SW846 9045C	30-Apr-07 17:30	30-Apr-07	7041996	"
Reactivity Cyanide/Sulfide												
Prepared by method General Preparation												
	Reactivity	Negative	U	mg/kg dry			1	SW846 Ch. 7.3	02-May-07	02-May-07	7050174	"
	Reactive Cyanide	4.76	J	mg/kg dry	24.8	2.48	1	"	"	"	"	"
	Reactive Sulfide	BRL	U	mg/kg dry	49.7	4.97	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	91.8		%			1	SM2540 G Mod.	01-May-07	01-May-07	7050052	BD
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.01	0.633	1	10-204-00-1-A / SW846 9012A	01-May-07	01-May-07	7050096	rthom
18496-25-8	Sulfide	0.00800	J	mg/kg	1.00		1	EPA 376.2	01-May-07	01-May-07	7050172	QP

Volatile Organic Compounds - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050047 - SW846 5030 Water MS										
Blank (7050047-BLK1)										
Prepared & Analyzed: 01-May-07										
Benzene	BRL	U	µg/l	1.00						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
Carbon tetrachloride	BRL	U	µg/l	1.00						
Chlorobenzene	BRL	U	µg/l	1.00						
Chloroform	BRL	U	µg/l	1.00						
1,2-Dichloroethane	BRL	U	µg/l	1.00						
1,1-Dichloroethene	BRL	U	µg/l	1.00						
Tetrachloroethene	BRL	U	µg/l	1.00						
Toluene	BRL	U	µg/l	1.00						
Trichloroethene	BRL	U	µg/l	1.00						
Vinyl chloride	BRL	U	µg/l	1.00						
Surrogate: 4-Bromofluorobenzene	*46.4*		µg/l		*50.0*		*93*	*70-130*		
Surrogate: Toluene-d8	*51.1*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*58.2*		µg/l		*50.0*		*116*	*70-130*		
Surrogate: Dibromofluoromethane	*55.3*		µg/l		*50.0*		*111*	*70-130*		
LCS (7050047-BS1)										
Prepared & Analyzed: 01-May-07										
Benzene	22.2		µg/l		20.0		111	70-130		
2-Butanone (MEK)	17.9		µg/l		20.0		90	70-130		
Carbon tetrachloride	22.9		µg/l		20.0		114	70-130		
Chlorobenzene	21.6		µg/l		20.0		108	70-130		
Chloroform	21.5		µg/l		20.0		108	70-130		
1,2-Dichloroethane	23.2		µg/l		20.0		116	70-130		
1,1-Dichloroethene	21.5		µg/l		20.0		108	70-130		
Tetrachloroethene	21.8		µg/l		20.0		109	70-130		
Trichloroethene	22.2		µg/l		20.0		111	70-130		
Vinyl chloride	24.1		µg/l		20.0		120	70-130		
Surrogate: 4-Bromofluorobenzene	*52.8*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*51.0*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.0*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*51.7*		µg/l		*50.0*		*103*	*70-130*		
LCS Dup (7050047-BSD1)										
Prepared & Analyzed: 01-May-07										
Benzene	21.5		µg/l		20.0		108	70-130	3	30
2-Butanone (MEK)	17.5		µg/l		20.0		88	70-130	2	30
Carbon tetrachloride	21.9		µg/l		20.0		110	70-130	4	30
Chlorobenzene	20.7		µg/l		20.0		104	70-130	4	30
Chloroform	20.8		µg/l		20.0		104	70-130	4	30
1,2-Dichloroethane	22.6		µg/l		20.0		113	70-130	3	30
1,1-Dichloroethene	20.0		µg/l		20.0		100	70-130	8	30
Tetrachloroethene	20.5		µg/l		20.0		102	70-130	7	30
Trichloroethene	21.3		µg/l		20.0		106	70-130	5	30
Vinyl chloride	22.6		µg/l		20.0		113	70-130	6	30
Surrogate: 4-Bromofluorobenzene	*52.3*		µg/l		*50.0*		*105*	*70-130*		
Surrogate: Toluene-d8	*50.7*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.8*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*51.8*		µg/l		*50.0*		*104*	*70-130*		
Matrix Spike (7050047-MS1) **Source: SA61213-07**										
Prepared & Analyzed: 01-May-07										
Benzene	18.3		µg/l		20.0	BRL	92	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050047 - SW846 5030 Water MS										
Matrix Spike (7050047-MS1) **Source: SA61213-07**										
Prepared & Analyzed: 01-May-07										
Chlorobenzene	19.6		µg/l		20.0	BRL	98	70-130		
1,1-Dichloroethene	20.4		µg/l		20.0	BRL	102	70-130		
Toluene	19.4		µg/l		20.0	BRL	97	70-130		
Trichloroethene	18.3		µg/l		20.0	BRL	92	70-130		
Surrogate: 4-Bromofluorobenzene	*46.4*		µg/l		*50.0*		*93*	*70-130*		
Surrogate: Toluene-d8	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.8*		µg/l		*50.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*53.4*		µg/l		*50.0*		*107*	*70-130*		
Matrix Spike Dup (7050047-MSD1) **Source: SA61213-07**										
Prepared & Analyzed: 01-May-07										
Benzene	18.7		µg/l		20.0	BRL	94	70-130	2	30
Chlorobenzene	20.1		µg/l		20.0	BRL	100	70-130	2	30
1,1-Dichloroethene	20.9		µg/l		20.0	BRL	104	70-130	2	30
Toluene	20.1		µg/l		20.0	BRL	100	70-130	3	30
Trichloroethene	18.7		µg/l		20.0	BRL	94	70-130	2	30
Surrogate: 4-Bromofluorobenzene	*46.3*		µg/l		*50.0*		*93*	*70-130*		
Surrogate: Toluene-d8	*50.1*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*55.2*		µg/l		*50.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*52.6*		µg/l		*50.0*		*105*	*70-130*		
Batch 7050160 - SW846 5030 Soil (high level)										
Blank (7050160-BLK1)										
Prepared & Analyzed: 02-May-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/kg wet	1.0						
Acetone	BRL	U	µg/kg wet	20.0						
Acrylonitrile	BRL	U	µg/kg wet	1.0						
Benzene	BRL	U	µg/kg wet	1.0						
Bromobenzene	BRL	U	µg/kg wet	1.0						
Bromochloromethane	BRL	U	µg/kg wet	1.0						
Bromodichloromethane	BRL	U	µg/kg wet	1.0						
Bromoform	BRL	U	µg/kg wet	1.0						
Bromomethane	BRL	U	µg/kg wet	2.0						
2-Butanone (MEK)	BRL	U	µg/kg wet	10.0						
n-Butylbenzene	BRL	U	µg/kg wet	1.0						
sec-Butylbenzene	BRL	U	µg/kg wet	1.0						
tert-Butylbenzene	BRL	U	µg/kg wet	1.0						
Carbon disulfide	BRL	U	µg/kg wet	5.0						
Carbon tetrachloride	BRL	U	µg/kg wet	1.0						
Chlorobenzene	BRL	U	µg/kg wet	1.0						
Chloroethane	BRL	U	µg/kg wet	2.0						
Chloroform	BRL	U	µg/kg wet	1.0						
Chloromethane	BRL	U	µg/kg wet	2.0						
2-Chlorotoluene	BRL	U	µg/kg wet	1.0						
4-Chlorotoluene	BRL	U	µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/kg wet	2.0						
Dibromochloromethane	BRL	U	µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/kg wet	1.0						
Dibromomethane	BRL	U	µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050160 - SW846 5030 Soil (high level)										
Blank (7050160-BLK1)										
Prepared & Analyzed: 02-May-07										
Dichlorodifluoromethane (Freon12)	BRL	U	µg/kg wet	2.0						
1,1-Dichloroethane	BRL	U	µg/kg wet	1.0						
1,2-Dichloroethane	BRL	U	µg/kg wet	1.0						
1,1-Dichloroethene	BRL	U	µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/kg wet	1.0						
1,2-Dichloropropane	BRL	U	µg/kg wet	1.0						
1,3-Dichloropropane	BRL	U	µg/kg wet	1.0						
2,2-Dichloropropane	BRL	U	µg/kg wet	1.0						
1,1-Dichloropropene	BRL	U	µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL	U	µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL	U	µg/kg wet	1.0						
Ethylbenzene	BRL	U	µg/kg wet	1.0						
Hexachlorobutadiene	BRL	U	µg/kg wet	1.0						
2-Hexanone (MBK)	BRL	U	µg/kg wet	10.0						
Isopropylbenzene	BRL	U	µg/kg wet	1.0						
4-Isopropyltoluene	BRL	U	µg/kg wet	1.0						
Methyl tert-butyl ether	BRL	U	µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg wet	10.0						
Methylene chloride	BRL	U	µg/kg wet	10.0						
Naphthalene	BRL	U	µg/kg wet	1.0						
n-Propylbenzene	BRL	U	µg/kg wet	1.0						
Styrene	BRL	U	µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/kg wet	1.0						
Tetrachloroethene	BRL	U	µg/kg wet	1.0						
Toluene	BRL	U	µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL	U	µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL	U	µg/kg wet	1.0						
Trichloroethene	BRL	U	µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL	U	µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/kg wet	1.0						
Vinyl chloride	BRL	U	µg/kg wet	1.0						
m,p-Xylene	BRL	U	µg/kg wet	2.0						
o-Xylene	BRL	U	µg/kg wet	1.0						
Tetrahydrofuran	BRL	U	µg/kg wet	10.0						
Ethyl ether	BRL	U	µg/kg wet	1.0						
Tert-amyl methyl ether	BRL	U	µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL	U	µg/kg wet	1.0						
Di-isopropyl ether	BRL	U	µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/kg wet	10.0						
1,4-Dioxane	BRL	U	µg/kg wet	20.0						
Surrogate: 4-Bromofluorobenzene	*47.2*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*48.4*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*42.0*		µg/kg wet		*50.0*		*84*	*70-130*		
Surrogate: Dibromofluoromethane	*49.6*		µg/kg wet		*50.0*		*99*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050160 - SW846 5030 Soil (high level)										
LCS (7050160-BS1)										
Prepared & Analyzed: 02-May-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.8		µg/kg wet		20.0		104	70-130		
Acetone	15.6		µg/kg wet		20.0		78	1.77-175		
Acrylonitrile	20.3		µg/kg wet		20.0		102	70-130		
Benzene	18.8		µg/kg wet		20.0		94	70-130		
Bromobenzene	24.6		µg/kg wet		20.0		123	70-130		
Bromochloromethane	23.4		µg/kg wet		20.0		117	70-130		
Bromodichloromethane	19.0		µg/kg wet		20.0		95	70-130		
Bromoform	21.6		µg/kg wet		20.0		108	70-130		
Bromomethane	13.4		µg/kg wet		20.0		67	55.3-136		
2-Butanone (MEK)	14.4		µg/kg wet		20.0		72	38.8-142		
n-Butylbenzene	12.5	QC2	µg/kg wet		20.0		62	70-130		
sec-Butylbenzene	19.0		µg/kg wet		20.0		95	70-130		
tert-Butylbenzene	24.0		µg/kg wet		20.0		120	70-130		
Carbon disulfide	17.6		µg/kg wet		20.0		88	70-130		
Carbon tetrachloride	19.4		µg/kg wet		20.0		97	70-130		
Chlorobenzene	22.6		µg/kg wet		20.0		113	70-130		
Chloroethane	18.7		µg/kg wet		20.0		94	55.3-130		
Chloroform	17.8		µg/kg wet		20.0		89	70-130		
Chloromethane	16.8		µg/kg wet		20.0		84	70-130		
2-Chlorotoluene	20.2		µg/kg wet		20.0		101	70-130		
4-Chlorotoluene	20.3		µg/kg wet		20.0		102	70-130		
1,2-Dibromo-3-chloropropane	14.2		µg/kg wet		20.0		71	70-130		
Dibromochloromethane	21.0		µg/kg wet		20.0		105	64.7-139		
1,2-Dibromoethane (EDB)	21.2		µg/kg wet		20.0		106	70-130		
Dibromomethane	19.3		µg/kg wet		20.0		96	70-130		
1,2-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130		
1,3-Dichlorobenzene	23.9		µg/kg wet		20.0		120	70-130		
1,4-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
Dichlorodifluoromethane (Freon12)	14.6		µg/kg wet		20.0		73	34.4-167		
1,1-Dichloroethane	18.5		µg/kg wet		20.0		92	70-130		
1,2-Dichloroethane	17.2		µg/kg wet		20.0		86	70-130		
1,1-Dichloroethene	19.7		µg/kg wet		20.0		98	70-130		
cis-1,2-Dichloroethene	21.3		µg/kg wet		20.0		106	70-130		
trans-1,2-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130		
1,2-Dichloropropane	18.9		µg/kg wet		20.0		94	70-130		
1,3-Dichloropropane	19.0		µg/kg wet		20.0		95	70-130		
2,2-Dichloropropane	17.8		µg/kg wet		20.0		89	70-130		
1,1-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130		
cis-1,3-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130		
trans-1,3-Dichloropropene	19.5		µg/kg wet		20.0		98	70-130		
Ethylbenzene	21.3		µg/kg wet		20.0		106	70-130		
Hexachlorobutadiene	17.8		µg/kg wet		20.0		89	60.7-140		
2-Hexanone (MBK)	12.7	QC2	µg/kg wet		20.0		64	70-130		
Isopropylbenzene	20.4		µg/kg wet		20.0		102	70-130		
4-Isopropyltoluene	16.7		µg/kg wet		20.0		84	70-130		
Methyl tert-butyl ether	19.0		µg/kg wet		20.0		95	70-130		
4-Methyl-2-pentanone (MIBK)	17.2		µg/kg wet		20.0		86	46.1-145		
Methylene chloride	20.4		µg/kg wet		20.0		102	70-130		
Naphthalene	18.6		µg/kg wet		20.0		93	70-130		
n-Propylbenzene	17.9		µg/kg wet		20.0		90	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050160 - SW846 5030 Soil (high level)										
LCS (7050160-BS1)										
Prepared & Analyzed: 02-May-07										
Styrene	22.4		µg/kg wet		20.0		112	70-130		
1,1,1,2-Tetrachloroethane	22.3		µg/kg wet		20.0		112	70-130		
1,1,2,2-Tetrachloroethane	20.0		µg/kg wet		20.0		100	70-130		
Tetrachloroethene	23.9		µg/kg wet		20.0		120	70-130		
Toluene	19.6		µg/kg wet		20.0		98	70-130		
1,2,3-Trichlorobenzene	18.7		µg/kg wet		20.0		94	70-130		
1,2,4-Trichlorobenzene	17.9		µg/kg wet		20.0		90	70-130		
1,1,1-Trichloroethane	18.3		µg/kg wet		20.0		92	70-130		
1,1,2-Trichloroethane	20.3		µg/kg wet		20.0		102	70-130		
Trichloroethene	20.2		µg/kg wet		20.0		101	70-130		
Trichlorofluoromethane (Freon 11)	16.4		µg/kg wet		20.0		82	56.8-140		
1,2,3-Trichloropropane	22.0		µg/kg wet		20.0		110	70-130		
1,2,4-Trimethylbenzene	18.3		µg/kg wet		20.0		92	70-130		
1,3,5-Trimethylbenzene	20.4		µg/kg wet		20.0		102	70-130		
Vinyl chloride	19.2		µg/kg wet		20.0		96	70-130		
m,p-Xylene	45.3		µg/kg wet		40.0		113	70-130		
o-Xylene	22.9		µg/kg wet		20.0		114	70-130		
Tetrahydrofuran	18.1		µg/kg wet		20.0		90	70-130		
Ethyl ether	19.6		µg/kg wet		20.0		98	65.3-130		
Tert-amyl methyl ether	16.3		µg/kg wet		20.0		82	70-130		
Ethyl tert-butyl ether	18.5		µg/kg wet		20.0		92	70-130		
Di-isopropyl ether	17.5		µg/kg wet		20.0		88	70-130		
Tert-Butanol / butyl alcohol	173		µg/kg wet		200		86	70-130		
1,4-Dioxane	189		µg/kg wet		200		94	34-155		
Surrogate: 4-Bromofluorobenzene	*48.4*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*49.2*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*41.1*		µg/kg wet		*50.0*		*82*	*70-130*		
Surrogate: Dibromofluoromethane	*50.1*		µg/kg wet		*50.0*		*100*	*70-130*		
LCS Dup (7050160-BSD1)										
Prepared & Analyzed: 02-May-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.0		µg/kg wet		20.0		95	70-130	9	25
Acetone	15.6		µg/kg wet		20.0		78	1.77-175	0	50
Acrylonitrile	19.5		µg/kg wet		20.0		98	70-130	4	25
Benzene	18.2		µg/kg wet		20.0		91	70-130	3	25
Bromobenzene	24.0		µg/kg wet		20.0		120	70-130	2	25
Bromochloromethane	22.8		µg/kg wet		20.0		114	70-130	3	25
Bromodichloromethane	18.2		µg/kg wet		20.0		91	70-130	4	25
Bromoform	21.4		µg/kg wet		20.0		107	70-130	0.9	25
Bromomethane	12.9		µg/kg wet		20.0		64	55.3-136	5	50
2-Butanone (MEK)	15.4		µg/kg wet		20.0		77	38.8-142	7	50
n-Butylbenzene	12.2	QC2	µg/kg wet		20.0		61	70-130	2	25
sec-Butylbenzene	17.9		µg/kg wet		20.0		90	70-130	5	25
tert-Butylbenzene	22.5		µg/kg wet		20.0		112	70-130	7	25
Carbon disulfide	17.0		µg/kg wet		20.0		85	70-130	3	25
Carbon tetrachloride	18.2		µg/kg wet		20.0		91	70-130	6	25
Chlorobenzene	22.0		µg/kg wet		20.0		110	70-130	3	25
Chloroethane	17.7		µg/kg wet		20.0		88	55.3-130	7	50
Chloroform	17.0		µg/kg wet		20.0		85	70-130	5	25
Chloromethane	15.8		µg/kg wet		20.0		79	70-130	6	25
2-Chlorotoluene	18.9		µg/kg wet		20.0		94	70-130	7	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050160 - SW846 5030 Soil (high level)										
LCS Dup (7050160-BSD1)										
Prepared & Analyzed: 02-May-07										
4-Chlorotoluene	19.4		µg/kg wet		20.0		97	70-130	5	25
1,2-Dibromo-3-chloropropane	14.3		µg/kg wet		20.0		72	70-130	1	25
Dibromochloromethane	21.0		µg/kg wet		20.0		105	64.7-139	0	50
1,2-Dibromoethane (EDB)	20.8		µg/kg wet		20.0		104	70-130	2	25
Dibromomethane	19.0		µg/kg wet		20.0		95	70-130	1	25
1,2-Dichlorobenzene	19.4		µg/kg wet		20.0		97	70-130	4	25
1,3-Dichlorobenzene	23.0		µg/kg wet		20.0		115	70-130	4	25
1,4-Dichlorobenzene	18.6		µg/kg wet		20.0		93	70-130	4	25
Dichlorodifluoromethane (Freon12)	13.7		µg/kg wet		20.0		68	34.4-167	7	50
1,1-Dichloroethane	17.4		µg/kg wet		20.0		87	70-130	6	25
1,2-Dichloroethane	16.9		µg/kg wet		20.0		84	70-130	2	25
1,1-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130	4	25
cis-1,2-Dichloroethene	20.6		µg/kg wet		20.0		103	70-130	3	25
trans-1,2-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130	5	25
1,2-Dichloropropane	18.2		µg/kg wet		20.0		91	70-130	3	25
1,3-Dichloropropane	18.8		µg/kg wet		20.0		94	70-130	1	25
2,2-Dichloropropane	17.0		µg/kg wet		20.0		85	70-130	5	25
1,1-Dichloropropene	18.2		µg/kg wet		20.0		91	70-130	5	25
cis-1,3-Dichloropropene	18.7		µg/kg wet		20.0		94	70-130	2	25
trans-1,3-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130	2	25
Ethylbenzene	20.4		µg/kg wet		20.0		102	70-130	4	25
Hexachlorobutadiene	16.6		µg/kg wet		20.0		83	60.7-140	7	50
2-Hexanone (MBK)	12.8	QC2	µg/kg wet		20.0		64	70-130	0	25
Isopropylbenzene	19.3		µg/kg wet		20.0		96	70-130	6	25
4-Isopropyltoluene	15.9		µg/kg wet		20.0		80	70-130	5	25
Methyl tert-butyl ether	18.6		µg/kg wet		20.0		93	70-130	2	25
4-Methyl-2-pentanone (MIBK)	16.9		µg/kg wet		20.0		84	46.1-145	2	50
Methylene chloride	19.2		µg/kg wet		20.0		96	70-130	6	25
Naphthalene	18.2		µg/kg wet		20.0		91	70-130	2	25
n-Propylbenzene	17.2		µg/kg wet		20.0		86	70-130	5	25
Styrene	21.7		µg/kg wet		20.0		108	70-130	4	25
1,1,1,2-Tetrachloroethane	21.6		µg/kg wet		20.0		108	70-130	4	25
1,1,2,2-Tetrachloroethane	19.3		µg/kg wet		20.0		96	70-130	4	25
Tetrachloroethene	22.6		µg/kg wet		20.0		113	70-130	6	25
Toluene	18.4		µg/kg wet		20.0		92	70-130	6	25
1,2,3-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130	0	25
1,2,4-Trichlorobenzene	17.8		µg/kg wet		20.0		89	70-130	1	25
1,1,1-Trichloroethane	17.2		µg/kg wet		20.0		86	70-130	7	25
1,1,2-Trichloroethane	19.6		µg/kg wet		20.0		98	70-130	4	25
Trichloroethene	19.4		µg/kg wet		20.0		97	70-130	4	25
Trichlorofluoromethane (Freon 11)	15.4		µg/kg wet		20.0		77	56.8-140	6	50
1,2,3-Trichloropropane	21.7		µg/kg wet		20.0		108	70-130	2	25
1,2,4-Trimethylbenzene	17.7		µg/kg wet		20.0		88	70-130	4	25
1,3,5-Trimethylbenzene	19.4		µg/kg wet		20.0		97	70-130	5	25
Vinyl chloride	17.8		µg/kg wet		20.0		89	70-130	8	25
m,p-Xylene	43.7		µg/kg wet		40.0		109	70-130	4	25
o-Xylene	21.9		µg/kg wet		20.0		110	70-130	4	25
Tetrahydrofuran	17.5		µg/kg wet		20.0		88	70-130	2	25
Ethyl ether	18.6		µg/kg wet		20.0		93	65.3-130	5	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050160 - SW846 5030 Soil (high level)										
LCS Dup (7050160-BSD1)										
Prepared & Analyzed: 02-May-07										
Tert-amyl methyl ether	15.2		µg/kg wet		20.0		76	70-130	8	25
Ethyl tert-butyl ether	18.1		µg/kg wet		20.0		90	70-130	2	25
Di-isopropyl ether	17.2		µg/kg wet		20.0		86	70-130	2	25
Tert-Butanol / butyl alcohol	166		µg/kg wet		200		83	70-130	4	25
1,4-Dioxane	189		µg/kg wet		200		94	34-155	0	25
Surrogate: 4-Bromofluorobenzene	*49.9*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*49.4*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*41.8*		µg/kg wet		*50.0*		*84*	*70-130*		
Surrogate: Dibromofluoromethane	*49.1*		µg/kg wet		*50.0*		*98*	*70-130*		
Matrix Spike (7050160-MS1) **Source: SA61233-16**										
Prepared & Analyzed: 02-May-07										
Benzene	14.7		µg/kg dry		20.0	BRL	74	70-130		
Chlorobenzene	20.0		µg/kg dry		20.0	BRL	100	70-130		
1,1-Dichloroethene	17.0		µg/kg dry		20.0	2.82	71	70-130		
Toluene	16.1		µg/kg dry		20.0	BRL	80	70-130		
Trichloroethene	15.4		µg/kg dry		20.0	BRL	77	70-130		
Surrogate: 4-Bromofluorobenzene	*47.6*		µg/kg dry		*50.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*49.7*		µg/kg dry		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*37.8*		µg/kg dry		*50.0*		*76*	*70-130*		
Surrogate: Dibromofluoromethane	*45.3*		µg/kg dry		*50.0*		*91*	*70-130*		
Matrix Spike Dup (7050160-MSD1) **Source: SA61233-16**										
Prepared & Analyzed: 02-May-07										
Benzene	14.7		µg/kg dry		20.0	BRL	74	70-130	0	30
Chlorobenzene	20.2		µg/kg dry		20.0	BRL	101	70-130	1	30
1,1-Dichloroethene	16.1	QC1	µg/kg dry		20.0	2.82	66	70-130	7	30
Toluene	15.7		µg/kg dry		20.0	BRL	78	70-130	3	30
Trichloroethene	15.2		µg/kg dry		20.0	BRL	76	70-130	1	30
Surrogate: 4-Bromofluorobenzene	*47.4*		µg/kg dry		*50.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*49.5*		µg/kg dry		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*36.9*		µg/kg dry		*50.0*		*74*	*70-130*		
Surrogate: Dibromofluoromethane	*44.8*		µg/kg dry		*50.0*		*90*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041905 - SW846 3535										
Blank (7041905-BLK1)										
Prepared & Analyzed: 30-Apr-07										
Chlordane	BRL	U	µg/l	0.050						
Endrin	BRL	U	µg/l	0.010						
Heptachlor	BRL	U	µg/l	0.010						
Heptachlor Epoxide	BRL	U	µg/l	0.010						
g-BHC (Lindane)	BRL	U	µg/l	0.010						
Methoxychlor	BRL	U	µg/l	0.010						
Toxaphene	BRL	U	µg/l	0.050						
4,4'-DDD (p,p')	BRL	U	µg/l	0.010						
4,4'-DDE (p,p')	BRL	U	µg/l	0.010						
4,4'-DDT (p,p')	BRL	U	µg/l	0.010						
Dieldrin	BRL	U	µg/l	0.010						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0101*		µg/l		*0.0200*		*50*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0159*		µg/l		*0.0200*		*80*	*30-150*		
LCS (7041905-BS1)										
Prepared & Analyzed: 30-Apr-07										
Endrin	0.017		µg/l	0.010	0.0200		85	40-140		
Heptachlor	0.016		µg/l	0.010	0.0200		80	40-140		
Heptachlor Epoxide	0.015		µg/l	0.010	0.0200		75	40-140		
g-BHC (Lindane)	0.016		µg/l	0.010	0.0200		80	40-140		
Methoxychlor	0.016		µg/l	0.010	0.0200		80	40-140		
4,4'-DDD (p,p')	0.013		µg/l	0.010	0.0200		65	40-140		
4,4'-DDE (p,p')	0.014		µg/l	0.010	0.0200		70	40-140		
4,4'-DDT (p,p')	0.017		µg/l	0.010	0.0200		85	40-140		
Dieldrin	0.015		µg/l	0.010	0.0200		75	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0103*		µg/l		*0.0200*		*52*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0159*		µg/l		*0.0200*		*80*	*30-150*		
LCS Dup (7041905-BSD1)										
Prepared & Analyzed: 30-Apr-07										
Endrin	0.019		µg/l	0.010	0.0200		95	40-140	11	30
Heptachlor	0.016		µg/l	0.010	0.0200		80	40-140	0	30
Heptachlor Epoxide	0.016		µg/l	0.010	0.0200		80	40-140	6	30
g-BHC (Lindane)	0.016		µg/l	0.010	0.0200		80	40-140	0	30
Methoxychlor	0.018		µg/l	0.010	0.0200		90	40-140	12	30
4,4'-DDD (p,p')	0.017		µg/l	0.010	0.0200		85	40-140	27	30
4,4'-DDE (p,p')	0.015		µg/l	0.010	0.0200		75	40-140	7	30
4,4'-DDT (p,p')	0.019		µg/l	0.010	0.0200		95	40-140	11	30
Dieldrin	0.015		µg/l	0.010	0.0200		75	40-140	0	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0105*		µg/l		*0.0200*		*52*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0197*		µg/l		*0.0200*		*98*	*30-150*		
Duplicate (7041905-DUP1) **Source: SA61288-02**										
Prepared & Analyzed: 30-Apr-07										
Chlordane	BRL	U	µg/l	0.200		BRL				30
Endrin	BRL	U	µg/l	0.040		BRL				30
Heptachlor	BRL	U	µg/l	0.040		BRL				30
Heptachlor Epoxide	BRL	U	µg/l	0.040		BRL				30
g-BHC (Lindane)	BRL	U	µg/l	0.040		BRL				30
Methoxychlor	BRL	U	µg/l	0.040		BRL				30
Toxaphene	BRL	U	µg/l	0.200		BRL				30
4,4'-DDD (p,p')	BRL	U	µg/l	0.040		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041905 - SW846 3535										
Duplicate (7041905-DUP1) **Source: SA61288-02**										
Prepared & Analyzed: 30-Apr-07										
4,4'-DDE (p,p')	BRL	U	µg/l	0.040		BRL				30
4,4'-DDT (p,p')	BRL	U	µg/l	0.040		BRL				30
Dieldrin	BRL	U	µg/l	0.040		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0363*		µg/l		*0.0800*		*45*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0601*		µg/l		*0.0800*		*75*	*30-150*		
Batch 7041907 - SW846 3535										
Blank (7041907-BLK1)										
Prepared & Analyzed: 30-Apr-07										
2,4-D	BRL	U	µg/l	0.100						
2,4,5-TP (Silvex)	BRL	U	µg/l	0.100						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.100*		µg/l		*0.200*		*50*	*30-150*		
LCS (7041907-BS1)										
Prepared & Analyzed: 30-Apr-07										
2,4-D	0.428		µg/l	0.100	0.500		86	40-140		
2,4,5-TP (Silvex)	0.334		µg/l	0.100	0.500		67	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0990*		µg/l		*0.200*		*50*	*30-150*		
LCS Dup (7041907-BSD1)										
Prepared & Analyzed: 30-Apr-07										
2,4-D	0.413		µg/l	0.100	0.500		83	40-140	4	25
2,4,5-TP (Silvex)	0.328		µg/l	0.100	0.500		66	40-140	2	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0980*		µg/l		*0.200*		*49*	*30-150*		
Duplicate (7041907-DUP1) **Source: SA61288-02**										
Prepared & Analyzed: 30-Apr-07										
2,4-D	BRL	U	µg/l	0.100		BRL				30
2,4,5-TP (Silvex)	BRL	U	µg/l	0.100		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.101*		µg/l		*0.250*		*40*	*30-150*		
Batch 7041914 - SW846 3550B										
Blank (7041914-BLK1)										
Prepared: 30-Apr-07 Analyzed: 01-May-07										
Aroclor-1016	BRL	U	µg/kg wet	28.6						
Aroclor-1016 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1221	BRL	U	µg/kg wet	28.6						
Aroclor-1221 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1232	BRL	U	µg/kg wet	28.6						
Aroclor-1232 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1242	BRL	U	µg/kg wet	28.6						
Aroclor-1242 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1248	BRL	U	µg/kg wet	28.6						
Aroclor-1248 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1254	BRL	U	µg/kg wet	28.6						
Aroclor-1254 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1260	BRL	U	µg/kg wet	28.6						
Aroclor-1260 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1262	BRL	U	µg/kg wet	28.6						
Aroclor-1262 [2C]	BRL	U	µg/kg wet	28.6						
Aroclor-1268	BRL	U	µg/kg wet	28.6						
Aroclor-1268 [2C]	BRL	U	µg/kg wet	28.6						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041914 - SW846 3550B										
Blank (7041914-BLK1)										
Prepared: 30-Apr-07 Analyzed: 01-May-07										
Surrogate: Decachlorobiphenyl (Sr)	*22.9*		µg/kg wet		*28.6*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.3*		µg/kg wet		*28.6*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*28.6*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
LCS (7041914-BS1)										
Prepared: 30-Apr-07 Analyzed: 01-May-07										
Aroclor-1016	417		µg/kg wet	28.6	357		117	50-140		
Aroclor-1016 [2C]	400		µg/kg wet	28.6	357		112	50-140		
Aroclor-1221	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1221 [2C]	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1232	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1232 [2C]	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1242	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1242 [2C]	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1248	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1248 [2C]	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1254	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1254 [2C]	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1260	391		µg/kg wet	28.6	357		110	50-140		
Aroclor-1260 [2C]	426		µg/kg wet	28.6	357		119	50-140		
Aroclor-1262	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1262 [2C]	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1268	BRL	U	µg/kg wet	28.6				50-140		
Aroclor-1268 [2C]	BRL	U	µg/kg wet	28.6				50-140		
Surrogate: Decachlorobiphenyl (Sr)	*22.9*		µg/kg wet		*28.6*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.7*		µg/kg wet		*28.6*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
LCS Dup (7041914-BSD1)										
Prepared: 30-Apr-07 Analyzed: 01-May-07										
Aroclor-1016	420		µg/kg wet	28.6	357		118	50-140	0.9	30
Aroclor-1016 [2C]	403		µg/kg wet	28.6	357		113	50-140	0.9	30
Aroclor-1221	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1221 [2C]	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1232	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1232 [2C]	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1242	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1242 [2C]	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1248	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1248 [2C]	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1254	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1254 [2C]	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1260	387		µg/kg wet	28.6	357		108	50-140	2	30
Aroclor-1260 [2C]	409		µg/kg wet	28.6	357		115	50-140	3	30
Aroclor-1262	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1262 [2C]	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1268	BRL	U	µg/kg wet	28.6				50-140		30
Aroclor-1268 [2C]	BRL	U	µg/kg wet	28.6				50-140		30
Surrogate: Decachlorobiphenyl (Sr)	*22.9*		µg/kg wet		*28.6*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.7*		µg/kg wet		*28.6*		*90*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041914 - SW846 3550B										
LCS Dup (7041914-BSD1)										
Prepared: 30-Apr-07 Analyzed: 01-May-07										
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*14.3*		µg/kg wet		*28.6*		*50*	*30-150*		
Batch 7041915 - SW846 3550B										
Blank (7041915-BLK1)										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Aldrin	BRL	U	µg/kg wet	14.3						
a-BHC	BRL	U	µg/kg wet	14.3						
b-BHC	BRL	U	µg/kg wet	14.3						
d-BHC	BRL	U	µg/kg wet	14.3						
g-BHC (Lindane)	BRL	U	µg/kg wet	14.3						
Chlordane	BRL	U	µg/kg wet	71.5						
4,4'-DDD (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDE (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDT (p,p')	BRL	U	µg/kg wet	14.3						
Dieldrin	BRL	U	µg/kg wet	14.3						
Endosulfan I	BRL	U	µg/kg wet	14.3						
Endosulfan II	BRL	U	µg/kg wet	14.3						
Endosulfan Sulfate	BRL	U	µg/kg wet	14.3						
Endrin	BRL	U	µg/kg wet	14.3						
Endrin Aldehyde	BRL	U	µg/kg wet	14.3						
Heptachlor	BRL	U	µg/kg wet	14.3						
Methoxychlor	BRL	U	µg/kg wet	14.3						
Heptachlor Epoxide	BRL	U	µg/kg wet	14.3						
Toxaphene	BRL	U	µg/kg wet	71.5						
a-Chlordane	BRL	U	µg/kg wet	14.3						
g-Chlordane	BRL	U	µg/kg wet	14.3						
Endrin Ketone	BRL	U	µg/kg wet	14.3						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.1*		µg/kg wet		*28.6*		*56*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.1*		µg/kg wet		*28.6*		*74*	*30-150*		
LCS (7041915-BS1)										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Aldrin	24.5		µg/kg wet	14.3	28.6		86	40-140		
a-BHC	23.0		µg/kg wet	14.3	28.6		80	40-140		
b-BHC	20.5		µg/kg wet	14.3	28.6		72	40-140		
d-BHC	15.7		µg/kg wet	14.3	28.6		55	40-140		
g-BHC (Lindane)	22.9		µg/kg wet	14.3	28.6		80	40-140		
4,4'-DDD (p,p')	21.4		µg/kg wet	14.3	28.6		75	40-140		
4,4'-DDE (p,p')	22.8		µg/kg wet	14.3	28.6		80	40-140		
4,4'-DDT (p,p')	23.4		µg/kg wet	14.3	28.6		82	40-140		
Dieldrin	23.1		µg/kg wet	14.3	28.6		81	40-140		
Endosulfan I	25.3		µg/kg wet	14.3	28.6		88	40-140		
Endosulfan II	27.2		µg/kg wet	14.3	28.6		95	40-140		
Endosulfan Sulfate	22.7		µg/kg wet	14.3	28.6		79	40-140		
Endrin	28.3		µg/kg wet	14.3	28.6		99	40-140		
Endrin Aldehyde	28.7		µg/kg wet	14.3	28.6		100	40-140		
Heptachlor	26.0		µg/kg wet	14.3	28.6		91	40-140		
Methoxychlor	25.0		µg/kg wet	14.3	28.6		87	40-140		
Heptachlor Epoxide	25.0		µg/kg wet	14.3	28.6		87	40-140		
a-Chlordane	24.6		µg/kg wet	14.3	28.6		86	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041915 - SW846 3550B										
LCS (7041915-BS1)										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
g-Chlordane	25.2		µg/kg wet	14.3	28.6		88	40-140		
Endrin Ketone	23.1		µg/kg wet	14.3	28.6		81	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.9*		µg/kg wet		*28.6*		*56*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*22.3*		µg/kg wet		*28.6*		*78*	*40-140*		
LCS Dup (7041915-BSD1)										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Aldrin	24.6		µg/kg wet	14.3	28.6		86	40-140	0	30
a-BHC	24.3		µg/kg wet	14.3	28.6		85	40-140	6	30
b-BHC	21.3		µg/kg wet	14.3	28.6		74	40-140	3	30
d-BHC	15.9		µg/kg wet	14.3	28.6		56	40-140	2	30
g-BHC (Lindane)	24.3		µg/kg wet	14.3	28.6		85	40-140	6	30
4,4'-DDD (p,p')	22.0		µg/kg wet	14.3	28.6		77	40-140	3	30
4,4'-DDE (p,p')	22.8		µg/kg wet	14.3	28.6		80	40-140	0	30
4,4'-DDT (p,p')	24.6		µg/kg wet	14.3	28.6		86	40-140	5	30
Dieldrin	23.4		µg/kg wet	14.3	28.6		82	40-140	1	30
Endosulfan I	26.7		µg/kg wet	14.3	28.6		93	40-140	6	30
Endosulfan II	25.9		µg/kg wet	14.3	28.6		91	40-140	4	30
Endosulfan Sulfate	23.1		µg/kg wet	14.3	28.6		81	40-140	2	30
Endrin	27.0		µg/kg wet	14.3	28.6		94	40-140	5	30
Endrin Aldehyde	28.7		µg/kg wet	14.3	28.6		100	40-140	0	30
Heptachlor	26.0		µg/kg wet	14.3	28.6		91	40-140	0	30
Methoxychlor	24.3		µg/kg wet	14.3	28.6		85	40-140	2	30
Heptachlor Epoxide	25.7		µg/kg wet	14.3	28.6		90	40-140	3	30
a-Chlordane	24.1		µg/kg wet	14.3	28.6		84	40-140	2	30
g-Chlordane	24.6		µg/kg wet	14.3	28.6		86	40-140	2	30
Endrin Ketone	24.8		µg/kg wet	14.3	28.6		87	40-140	7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.0*		µg/kg wet		*28.6*		*56*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*23.8*		µg/kg wet		*28.6*		*83*	*40-140*		
Duplicate (7041915-DUP1) **Source: SA61260-01**										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Aldrin	BRL	U	µg/kg dry	14.4		BRL				30
a-BHC	BRL	U	µg/kg dry	14.4		BRL				30
b-BHC	BRL	U	µg/kg dry	14.4		BRL				30
d-BHC	BRL	U	µg/kg dry	14.4		BRL				30
g-BHC (Lindane)	BRL	U	µg/kg dry	14.4		BRL				30
Chlordane	BRL	U	µg/kg dry	72.2		BRL				30
4,4'-DDD (p,p')	2.56	J	µg/kg dry	14.4		2.32			10	30
4,4'-DDE (p,p')	BRL	U	µg/kg dry	14.4		BRL				30
4,4'-DDT (p,p')	13.5	J	µg/kg dry	14.4		13.4			0.7	30
Dieldrin	BRL	U	µg/kg dry	14.4		BRL				30
Endosulfan I	BRL	U	µg/kg dry	14.4		BRL				30
Endosulfan II	BRL	U	µg/kg dry	14.4		BRL				30
Endosulfan Sulfate	BRL	U	µg/kg dry	14.4		BRL				30
Endrin	BRL	U	µg/kg dry	14.4		BRL				30
Endrin Aldehyde	BRL	U	µg/kg dry	14.4		BRL				30
Heptachlor	BRL	U	µg/kg dry	14.4		BRL				30
Methoxychlor	BRL	U	µg/kg dry	14.4		BRL				30
Heptachlor Epoxide	BRL	U	µg/kg dry	14.4		BRL				30
Toxaphene	BRL	U	µg/kg dry	72.2		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041915 - SW846 3550B										
Duplicate (7041915-DUP1) **Source: SA61260-01**										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
a-Chlordane	BRL	U	µg/kg dry	14.4		BRL				30
g-Chlordane	BRL	U	µg/kg dry	14.4		BRL				30
Endrin Ketone	BRL	U	µg/kg dry	14.4		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg dry		*28.9*		*69*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.3*		µg/kg dry		*28.9*		*88*	*30-150*		
Batch 7041931 - SW846 3550B										
Blank (7041931-BLK1)										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
2,4-D	BRL	U	µg/kg wet	6.70						
2,4,5-T	BRL	U	µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL	U	µg/kg wet	6.70						
2,4-DB	BRL	U	µg/kg wet	6.70						
Dalapon	BRL	U	µg/kg wet	6.70						
Dicamba	BRL	U	µg/kg wet	6.70						
Dinoseb	BRL	U	µg/kg wet	6.70						
Dichlorprop	BRL	U	µg/kg wet	6.70						
MCPB	BRL	U	µg/kg wet	670						
MCPA	BRL	U	µg/kg wet	670						
MCPP	BRL	U	µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.33*		µg/kg wet		*13.3*		*48*	*30-150*		
LCS (7041931-BS1)										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
2,4-D	22.9		µg/kg wet	6.70	33.3		69	40-140		
2,4,5-T	19.8		µg/kg wet	6.70	33.3		59	40-140		
2,4,5-TP (Silvex)	21.3		µg/kg wet	6.70	33.3		64	40-140		
2,4-DB	20.2		µg/kg wet	6.70	33.3		61	40-140		
Dalapon	18.9		µg/kg wet	6.70	33.3		57	40-140		
Dicamba	22.8		µg/kg wet	6.70	33.3		68	40-140		
Dinoseb	19.2		µg/kg wet	6.70	33.3		58	40-140		
Dichlorprop	20.9		µg/kg wet	6.70	33.3		63	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.27*		µg/kg wet		*13.3*		*47*	*30-150*		
LCS Dup (7041931-BSD1)										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
2,4-D	23.0		µg/kg wet	6.70	33.3		69	40-140	0	25
2,4,5-T	20.5		µg/kg wet	6.70	33.3		62	40-140	5	25
2,4,5-TP (Silvex)	19.7		µg/kg wet	6.70	33.3		59	40-140	8	25
2,4-DB	19.9		µg/kg wet	6.70	33.3		60	40-140	2	25
Dalapon	18.5		µg/kg wet	6.70	33.3		56	40-140	2	25
Dicamba	21.3		µg/kg wet	6.70	33.3		64	40-140	6	25
Dinoseb	23.2		µg/kg wet	6.70	33.3		70	40-140	19	25
Dichlorprop	20.5		µg/kg wet	6.70	33.3		62	40-140	2	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.00*		µg/kg wet		*13.3*		*45*	*30-150*		
Duplicate (7041931-DUP1) **Source: SA61260-01**										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
2,4-D	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-T	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70		BRL				30
2,4-DB	BRL	U	µg/kg dry	6.70		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041931 - SW846 3550B										
Duplicate (7041931-DUP1) **Source: SA61260-01**										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Dalapon	BRL	U	µg/kg dry	6.70		BRL				30
Dicamba	BRL	U	µg/kg dry	6.70		BRL				30
Dinoseb	BRL	U	µg/kg dry	6.70		BRL				30
Dichlorprop	BRL	U	µg/kg dry	6.70		BRL				30
MCPB	BRL	U	µg/kg dry	670		BRL				30
MCPA	BRL	U	µg/kg dry	670		BRL				30
MCPP	BRL	U	µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*7.37*		µg/kg dry		*15.0*		*49*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041849 - SW846 3545A										
Blank (7041849-BLK1)										
Prepared: 27-Apr-07 Analyzed: 01-May-07										
Acenaphthene	BRL	U	µg/kg wet	165						
Acenaphthylene	BRL	U	µg/kg wet	165						
Aniline	BRL	U	µg/kg wet	165						
Anthracene	BRL	U	µg/kg wet	165						
Atrazine	BRL	U	µg/kg wet	165						
Azobenzene/Diphenyldiazine	BRL	U	µg/kg wet	165						
Benzidine	BRL	U	µg/kg wet	165						
Benzo (a) anthracene	BRL	U	µg/kg wet	165						
Benzo (a) pyrene	BRL	U	µg/kg wet	165						
Benzo (b) fluoranthene	BRL	U	µg/kg wet	165						
Benzo (g,h,i) perylene	BRL	U	µg/kg wet	165						
Benzo (k) fluoranthene	BRL	U	µg/kg wet	165						
Benzoic acid	BRL	U	µg/kg wet	165						
Benzyl alcohol	BRL	U	µg/kg wet	165						
Bis(2-chloroethoxy)methane	BRL	U	µg/kg wet	165						
Bis(2-chloroethyl)ether	BRL	U	µg/kg wet	165						
Bis(2-chloroisopropyl)ether	BRL	U	µg/kg wet	165						
Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg wet	165						
4-Bromophenyl phenyl ether	BRL	U	µg/kg wet	165						
Butyl benzyl phthalate	BRL	U	µg/kg wet	165						
Carbazole	BRL	U	µg/kg wet	165						
4-Chloro-3-methylphenol	BRL	U	µg/kg wet	165						
4-Chloroaniline	BRL	U	µg/kg wet	165						
2-Chloronaphthalene	BRL	U	µg/kg wet	165						
2-Chlorophenol	BRL	U	µg/kg wet	165						
4-Chlorophenyl phenyl ether	BRL	U	µg/kg wet	165						
Chrysene	BRL	U	µg/kg wet	165						
Dibenzo (a,h) anthracene	BRL	U	µg/kg wet	165						
Dibenzofuran	BRL	U	µg/kg wet	165						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	165						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	165						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	165						
3,3´-Dichlorobenzidine	BRL	U	µg/kg wet	165						
2,4-Dichlorophenol	BRL	U	µg/kg wet	165						
Diethyl phthalate	BRL	U	µg/kg wet	165						
Dimethyl phthalate	BRL	U	µg/kg wet	165						
2,4-Dimethylphenol	BRL	U	µg/kg wet	165						
Di-n-butyl phthalate	BRL	U	µg/kg wet	165						
4,6-Dinitro-2-methylphenol	BRL	U	µg/kg wet	165						
2,4-Dinitrophenol	BRL	U	µg/kg wet	165						
2,4-Dinitrotoluene	BRL	U	µg/kg wet	165						
2,6-Dinitrotoluene	BRL	U	µg/kg wet	165						
Di-n-octyl phthalate	BRL	U	µg/kg wet	165						
Fluoranthene	BRL	U	µg/kg wet	165						
Fluorene	BRL	U	µg/kg wet	165						
Hexachlorobenzene	BRL	U	µg/kg wet	165						
Hexachlorobutadiene	BRL	U	µg/kg wet	165						
Hexachlorocyclopentadiene	BRL	U	µg/kg wet	165						
Hexachloroethane	BRL	U	µg/kg wet	165						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041849 - SW846 3545A										
Blank (7041849-BLK1)										
Prepared: 27-Apr-07 Analyzed: 01-May-07										
Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg wet	165						
Isophorone	BRL	U	µg/kg wet	165						
1-Methylnaphthalene	BRL	U	µg/kg wet	165						
2-Methylnaphthalene	BRL	U	µg/kg wet	165						
2-Methylphenol	BRL	U	µg/kg wet	165						
3,4-Methylphenol	BRL	U	µg/kg wet	165						
Naphthalene	BRL	U	µg/kg wet	165						
2-Nitroaniline	BRL	U	µg/kg wet	165						
3-Nitroaniline	BRL	U	µg/kg wet	165						
4-Nitroaniline	BRL	U	µg/kg wet	660						
Nitrobenzene	BRL	U	µg/kg wet	165						
2-Nitrophenol	BRL	U	µg/kg wet	165						
4-Nitrophenol	BRL	U	µg/kg wet	660						
N-Nitrosodimethylamine	BRL	U	µg/kg wet	165						
N-Nitrosodi-n-propylamine	BRL	U	µg/kg wet	165						
N-Nitrosodiphenylamine	BRL	U	µg/kg wet	165						
Pentachlorophenol	BRL	U	µg/kg wet	660						
Phenanthrene	BRL	U	µg/kg wet	165						
Phenol	BRL	U	µg/kg wet	165						
Pyrene	BRL	U	µg/kg wet	165						
Pyridine	BRL	U	µg/kg wet	165						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	165						
2,4,5-Trichlorophenol	BRL	U	µg/kg wet	165						
2,4,6-Trichlorophenol	BRL	U	µg/kg wet	165						
Surrogate: 2-Fluorobiphenyl	*2640*		µg/kg wet		*3330*		*79*	*30-130*		
Surrogate: 2-Fluorophenol	*2900*		µg/kg wet		*3330*		*87*	*15-110*		
Surrogate: Nitrobenzene-d5	*2720*		µg/kg wet		*3330*		*82*	*30-130*		
Surrogate: Phenol-d5	*2870*		µg/kg wet		*3330*		*86*	*15-110*		
Surrogate: Terphenyl-dl4	*2750*		µg/kg wet		*3330*		*83*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2620*		µg/kg wet		*3330*		*79*	*15-110*		
LCS (7041849-BS1)										
Prepared: 27-Apr-07 Analyzed: 01-May-07										
Acenaphthene	2450		µg/kg wet	165	3330		74	40-130		
Acenaphthylene	2680		µg/kg wet	165	3330		80	40-130		
Aniline	3300		µg/kg wet	165	3330		99	40-130		
Anthracene	2740		µg/kg wet	165	3330		82	40-130		
Atrazine	3640		µg/kg wet	165	3330		109	40-130		
Azobenzene/Diphenyldiazine	3000		µg/kg wet	165	3330		90	40-130		
Benzidine	218		µg/kg wet	165	3330		7	0-130		
Benzo (a) anthracene	2550		µg/kg wet	165	3330		77	40-130		
Benzo (a) pyrene	2600		µg/kg wet	165	3330		78	40-130		
Benzo (b) fluoranthene	2640		µg/kg wet	165	3330		79	40-130		
Benzo (g,h,i) perylene	2710		µg/kg wet	165	3330		81	40-130		
Benzo (k) fluoranthene	2290		µg/kg wet	165	3330		69	40-130		
Benzoic acid	3200		µg/kg wet	165	3330		96	6.16-130		
Benzyl alcohol	2500		µg/kg wet	165	3330		75	40-130		
Bis(2-chloroethoxy)methane	2520		µg/kg wet	165	3330		76	40-130		
Bis(2-chloroethyl)ether	2570		µg/kg wet	165	3330		77	40-130		
Bis(2-chloroisopropyl)ether	2820		µg/kg wet	165	3330		85	40-130		
Bis(2-ethylhexyl)phthalate	2550		µg/kg wet	165	3330		77	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041849 - SW846 3545A										
LCS (7041849-BS1)										
Prepared: 27-Apr-07 Analyzed: 01-May-07										
4-Bromophenyl phenyl ether	2580		µg/kg wet	165	3330		77	40-130		
Butyl benzyl phthalate	2520		µg/kg wet	165	3330		76	40-130		
Carbazole	3510		µg/kg wet	165	3330		105	40-130		
4-Chloro-3-methylphenol	2520		µg/kg wet	165	3330		76	40-130		
4-Chloroaniline	1970		µg/kg wet	165	3330		59	40-130		
2-Chloronaphthalene	2480		µg/kg wet	165	3330		74	40-130		
2-Chlorophenol	2090		µg/kg wet	165	3330		63	40-130		
4-Chlorophenyl phenyl ether	2490		µg/kg wet	165	3330		75	40-130		
Chrysene	2550		µg/kg wet	165	3330		77	40-130		
Dibenzo (a,h) anthracene	2880		µg/kg wet	165	3330		86	40-130		
Dibenzofuran	2600		µg/kg wet	165	3330		78	40-130		
1,2-Dichlorobenzene	2130		µg/kg wet	165	3330		64	40-130		
1,3-Dichlorobenzene	2050		µg/kg wet	165	3330		62	40-130		
1,4-Dichlorobenzene	2140		µg/kg wet	165	3330		64	40-130		
3,3´-Dichlorobenzidine	2410		µg/kg wet	165	3330		72	40-130		
2,4-Dichlorophenol	2260		µg/kg wet	165	3330		68	40-130		
Diethyl phthalate	2560		µg/kg wet	165	3330		77	40-130		
Dimethyl phthalate	2530		µg/kg wet	165	3330		76	40-130		
2,4-Dimethylphenol	2220		µg/kg wet	165	3330		67	40-130		
Di-n-butyl phthalate	2560		µg/kg wet	165	3330		77	40-130		
4,6-Dinitro-2-methylphenol	3030		µg/kg wet	165	3330		91	40-130		
2,4-Dinitrophenol	3230		µg/kg wet	165	3330		97	40-130		
2,4-Dinitrotoluene	3080		µg/kg wet	165	3330		92	40-130		
2,6-Dinitrotoluene	2910		µg/kg wet	165	3330		87	40-130		
Di-n-octyl phthalate	2650		µg/kg wet	165	3330		80	40-130		
Fluoranthene	2700		µg/kg wet	165	3330		81	40-130		
Fluorene	2510		µg/kg wet	165	3330		75	40-130		
Hexachlorobenzene	2510		µg/kg wet	165	3330		75	40-130		
Hexachlorobutadiene	2240		µg/kg wet	165	3330		67	40-130		
Hexachlorocyclopentadiene	2710		µg/kg wet	165	3330		81	40-130		
Hexachloroethane	2160		µg/kg wet	165	3330		65	40-130		
Indeno (1,2,3-cd) pyrene	2670		µg/kg wet	165	3330		80	40-130		
Isophorone	2580		µg/kg wet	165	3330		77	40-130		
1-Methylnaphthalene	2360		µg/kg wet	165	3330		71	40-140		
2-Methylnaphthalene	2390		µg/kg wet	165	3330		72	40-130		
2-Methylphenol	2160		µg/kg wet	165	3330		65	40-130		
3,4-Methylphenol	2510		µg/kg wet	165	3330		75	40-130		
Naphthalene	2490		µg/kg wet	165	3330		75	40-130		
2-Nitroaniline	3150		µg/kg wet	165	3330		95	40-130		
3-Nitroaniline	2430		µg/kg wet	165	3330		73	40-130		
4-Nitroaniline	4360	QC2	µg/kg wet	660	3330		131	40-130		
Nitrobenzene	2540		µg/kg wet	165	3330		76	40-130		
2-Nitrophenol	2360		µg/kg wet	165	3330		71	40-130		
4-Nitrophenol	3050		µg/kg wet	660	3330		92	40-130		
N-Nitrosodimethylamine	3250		µg/kg wet	165	3330		98	40-130		
N-Nitrosodi-n-propylamine	1470		µg/kg wet	165	3330		44	40-130		
N-Nitrosodiphenylamine	2820		µg/kg wet	165	3330		85	40-130		
Pentachlorophenol	2910		µg/kg wet	660	3330		87	40-130		
Phenanthrene	2510		µg/kg wet	165	3330		75	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041849 - SW846 3545A										
LCS (7041849-BS1)										
Prepared: 27-Apr-07 Analyzed: 01-May-07										
Phenol	2270		µg/kg wet	165	3330		68	40-130		
Pyrene	2310		µg/kg wet	165	3330		69	40-130		
Pyridine	815	QC2	µg/kg wet	165	3330		24	40-130		
1,2,4-Trichlorobenzene	2250		µg/kg wet	165	3330		68	40-130		
2,4,5-Trichlorophenol	2460		µg/kg wet	165	3330		74	40-130		
2,4,6-Trichlorophenol	2180		µg/kg wet	165	3330		65	40-130		
Surrogate: 2-Fluorobiphenyl	*4560*		µg/kg wet		*6670*		*68*	*30-130*		
Surrogate: 2-Fluorophenol	*4660*		µg/kg wet		*6670*		*70*	*15-110*		
Surrogate: Nitrobenzene-d5	*5520*		µg/kg wet		*6670*		*83*	*30-130*		
Surrogate: Phenol-d5	*4540*		µg/kg wet		*6670*		*68*	*15-110*		
Surrogate: Terphenyl-dl4	*4650*		µg/kg wet		*6670*		*70*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*5920*		µg/kg wet		*6670*		*89*	*15-110*		
Duplicate (7041849-DUP1) **Source: SA61267-15**										
Prepared: 27-Apr-07 Analyzed: 01-May-07										
Acenaphthene	BRL	U	µg/kg dry	786		BRL				50
Acenaphthylene	BRL	U	µg/kg dry	786		BRL				50
Aniline	BRL	U	µg/kg dry	786		BRL				50
Anthracene	BRL	U	µg/kg dry	786		BRL				50
Atrazine	BRL	U	µg/kg dry	786		BRL				50
Azobenzene/Diphenyldiazine	BRL	U	µg/kg dry	786		BRL				50
Benzidine	BRL	U	µg/kg dry	786		BRL				50
Benzo (a) anthracene	BRL	U	µg/kg dry	786		BRL				50
Benzo (a) pyrene	BRL	U	µg/kg dry	786		BRL				50
Benzo (b) fluoranthene	BRL	U	µg/kg dry	786		BRL				50
Benzo (g,h,i) perylene	BRL	U	µg/kg dry	786		BRL				50
Benzo (k) fluoranthene	BRL	U	µg/kg dry	786		BRL				50
Benzoic acid	BRL	U	µg/kg dry	786		BRL				50
Benzyl alcohol	BRL	U	µg/kg dry	786		BRL				50
Bis(2-chloroethoxy)methane	BRL	U	µg/kg dry	786		BRL				50
Bis(2-chloroethyl)ether	BRL	U	µg/kg dry	786		BRL				50
Bis(2-chloroisopropyl)ether	BRL	U	µg/kg dry	786		BRL				50
Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	786		BRL				50
4-Bromophenyl phenyl ether	BRL	U	µg/kg dry	786		BRL				50
Butyl benzyl phthalate	BRL	U	µg/kg dry	786		BRL				50
Carbazole	BRL	U	µg/kg dry	786		BRL				50
4-Chloro-3-methylphenol	BRL	U	µg/kg dry	786		BRL				50
4-Chloroaniline	BRL	U	µg/kg dry	786		BRL				50
2-Chloronaphthalene	BRL	U	µg/kg dry	786		BRL				50
2-Chlorophenol	BRL	U	µg/kg dry	786		BRL				50
4-Chlorophenyl phenyl ether	BRL	U	µg/kg dry	786		BRL				50
Chrysene	BRL	U	µg/kg dry	786		BRL				50
Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	786		BRL				50
Dibenzofuran	BRL	U	µg/kg dry	786		BRL				50
1,2-Dichlorobenzene	BRL	U	µg/kg dry	786		BRL				50
1,3-Dichlorobenzene	BRL	U	µg/kg dry	786		BRL				50
1,4-Dichlorobenzene	BRL	U	µg/kg dry	786		BRL				50
3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	786		BRL				50
2,4-Dichlorophenol	BRL	U	µg/kg dry	786		BRL				50
Diethyl phthalate	BRL	U	µg/kg dry	786		BRL				50
Dimethyl phthalate	BRL	U	µg/kg dry	786		BRL				50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041849 - SW846 3545A										
Duplicate (7041849-DUP1) **Source: SA61267-15**										
Prepared: 27-Apr-07 Analyzed: 01-May-07										
2,4-Dimethylphenol	BRL	U	µg/kg dry	786		BRL				50
Di-n-butyl phthalate	BRL	U	µg/kg dry	786		BRL				50
4,6-Dinitro-2-methylphenol	BRL	U	µg/kg dry	786		BRL				50
2,4-Dinitrophenol	BRL	U	µg/kg dry	786		BRL				50
2,4-Dinitrotoluene	BRL	U	µg/kg dry	786		BRL				50
2,6-Dinitrotoluene	BRL	U	µg/kg dry	786		BRL				50
Di-n-octyl phthalate	BRL	U	µg/kg dry	786		BRL				50
Fluoranthene	BRL	U	µg/kg dry	786		BRL				50
Fluorene	BRL	U	µg/kg dry	786		BRL				50
Hexachlorobenzene	BRL	U	µg/kg dry	786		BRL				50
Hexachlorobutadiene	BRL	U	µg/kg dry	786		BRL				50
Hexachlorocyclopentadiene	BRL	U	µg/kg dry	786		BRL				50
Hexachloroethane	BRL	U	µg/kg dry	786		BRL				50
Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	786		BRL				50
Isophorone	BRL	U	µg/kg dry	786		BRL				50
1-Methylnaphthalene	BRL	U	µg/kg dry	786		BRL				50
2-Methylnaphthalene	BRL	U	µg/kg dry	786		BRL				50
2-Methylphenol	BRL	U	µg/kg dry	786		BRL				50
3,4-Methylphenol	BRL	U	µg/kg dry	786		BRL				50
Naphthalene	BRL	U	µg/kg dry	786		BRL				50
2-Nitroaniline	BRL	U	µg/kg dry	786		BRL				50
3-Nitroaniline	BRL	U	µg/kg dry	786		BRL				50
4-Nitroaniline	BRL	U	µg/kg dry	3150		BRL				50
Nitrobenzene	BRL	U	µg/kg dry	786		BRL				50
2-Nitrophenol	BRL	U	µg/kg dry	786		BRL				50
4-Nitrophenol	BRL	U	µg/kg dry	3150		BRL				50
N-Nitrosodimethylamine	BRL	U	µg/kg dry	786		BRL				50
N-Nitrosodi-n-propylamine	BRL	U	µg/kg dry	786		BRL				50
N-Nitrosodiphenylamine	BRL	U	µg/kg dry	786		BRL				50
Pentachlorophenol	BRL	U	µg/kg dry	3150		BRL				50
Phenanthrene	BRL	U	µg/kg dry	786		BRL				50
Phenol	BRL	U	µg/kg dry	786		BRL				50
Pyrene	BRL	U	µg/kg dry	786		BRL				50
Pyridine	BRL	U	µg/kg dry	786		BRL				50
1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	786		BRL				50
2,4,5-Trichlorophenol	BRL	U	µg/kg dry	786		BRL				50
2,4,6-Trichlorophenol	BRL	U	µg/kg dry	786		BRL				50
Surrogate: 2-Fluorobiphenyl	*5810*		µg/kg dry		*7940*		*73*	*30-130*		
Surrogate: 2-Fluorophenol	*6310*		µg/kg dry		*7940*		*79*	*15-110*		
Surrogate: Nitrobenzene-d5	*5450*		µg/kg dry		*7940*		*69*	*30-130*		
Surrogate: Phenol-d5	*6000*		µg/kg dry		*7940*		*76*	*15-110*		
Surrogate: Terphenyl-dl4	*6010*		µg/kg dry		*7940*		*76*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*5070*		µg/kg dry		*7940*		*64*	*15-110*		
Matrix Spike (7041849-MS1) **Source: SA61267-15**										
Prepared: 27-Apr-07 Analyzed: 01-May-07										
Acenaphthene	5030		µg/kg dry	386	7800	BRL	64	40-140		
4-Chloro-3-methylphenol	9850		µg/kg dry	386	15600	BRL	63	30-130		
2-Chlorophenol	9350		µg/kg dry	386	15600	BRL	60	30-130		
1,4-Dichlorobenzene	4850		µg/kg dry	386	7800	BRL	62	40-140		
2,4-Dinitrotoluene	5670		µg/kg dry	386	7800	BRL	73	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041849 - SW846 3545A										
Matrix Spike (7041849-MS1) **Source: SA61267-15**										
Prepared: 27-Apr-07 Analyzed: 01-May-07										
4-Nitrophenol	6550		µg/kg dry	1550	15600	BRL	42	30-130		
N-Nitrosodi-n-propylamine	5240		µg/kg dry	386	7800	BRL	67	40-140		
Pentachlorophenol	9920		µg/kg dry	1550	15600	BRL	64	30-130		
Phenol	9360		µg/kg dry	386	15600	BRL	60	30-130		
Pyrene	5150		µg/kg dry	386	7800	BRL	66	40-140		
1,2,4-Trichlorobenzene	4580		µg/kg dry	386	7800	BRL	59	40-140		
Surrogate: 2-Fluorobiphenyl	*5320*		µg/kg dry		*7800*		*68*	*30-130*		
Surrogate: 2-Fluorophenol	*4960*		µg/kg dry		*7800*		*64*	*15-110*		
Surrogate: Nitrobenzene-d5	*5280*		µg/kg dry		*7800*		*68*	*30-130*		
Surrogate: Phenol-d5	*4860*		µg/kg dry		*7800*		*62*	*15-110*		
Surrogate: Terphenyl-dl4	*5540*		µg/kg dry		*7800*		*71*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*5610*		µg/kg dry		*7800*		*72*	*15-110*		
Matrix Spike Dup (7041849-MSD1) **Source: SA61267-15**										
Prepared: 27-Apr-07 Analyzed: 01-May-07										
Acenaphthene	5100		µg/kg dry	385	7770	BRL	66	40-140	3	30
4-Chloro-3-methylphenol	9900		µg/kg dry	385	15500	BRL	64	30-130	2	30
2-Chlorophenol	9440		µg/kg dry	385	15500	BRL	61	30-130	2	30
1,4-Dichlorobenzene	4830		µg/kg dry	385	7770	BRL	62	40-140	0	30
2,4-Dinitrotoluene	5610		µg/kg dry	385	7770	BRL	72	40-140	1	30
4-Nitrophenol	6490		µg/kg dry	1540	15500	BRL	42	30-130	0	30
N-Nitrosodi-n-propylamine	5230		µg/kg dry	385	7770	BRL	67	40-140	0	30
Pentachlorophenol	9810		µg/kg dry	1540	15500	BRL	63	30-130	2	30
Phenol	9270		µg/kg dry	385	15500	BRL	60	30-130	0	30
Pyrene	5250		µg/kg dry	385	7770	BRL	68	40-140	3	30
1,2,4-Trichlorobenzene	4600		µg/kg dry	385	7770	BRL	59	40-140	0	30
Surrogate: 2-Fluorobiphenyl	*5500*		µg/kg dry		*7770*		*71*	*30-130*		
Surrogate: 2-Fluorophenol	*5020*		µg/kg dry		*7770*		*65*	*15-110*		
Surrogate: Nitrobenzene-d5	*5460*		µg/kg dry		*7770*		*70*	*30-130*		
Surrogate: Phenol-d5	*4960*		µg/kg dry		*7770*		*64*	*15-110*		
Surrogate: Terphenyl-dl4	*5780*		µg/kg dry		*7770*		*74*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*5730*		µg/kg dry		*7770*		*74*	*15-110*		
Batch 7041906 - SW846 3535										
Blank (7041906-BLK1)										
Prepared & Analyzed: 30-Apr-07										
1,4-Dichlorobenzene	BRL	U	µg/l	5.00						
2,4-Dinitrotoluene	BRL	U	µg/l	5.00						
Hexachlorobenzene	BRL	U	µg/l	5.00						
Hexachlorobutadiene	BRL	U	µg/l	5.00						
Hexachloroethane	BRL	U	µg/l	5.00						
2-Methylphenol	BRL	U	µg/l	5.00						
3,4-Methylphenol	BRL	U	µg/l	10.0						
Nitrobenzene	BRL	U	µg/l	5.00						
Pentachlorophenol	BRL	U	µg/l	5.00						
Pyridine	BRL	U	µg/l	5.00						
2,4,5-Trichlorophenol	BRL	U	µg/l	5.00						
2,4,6-Trichlorophenol	BRL	U	µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*365*		µg/l		*400*		*91*	*30-130*		
Surrogate: 2-Fluorophenol	*401*		µg/l		*400*		*100*	*15-110*		
Surrogate: Nitrobenzene-d5	*364*		µg/l		*400*		*91*	*30-130*		
Surrogate: Terphenyl-dl4	*399*		µg/l		*400*		*100*	*30-130*		
LCS (7041906-BS1)										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041906 - SW846 3535										
Prepared & Analyzed: 30-Apr-07										
1,4-Dichlorobenzene	284		µg/l	5.00	400		71	40-140		
2,4-Dinitrotoluene	388		µg/l	5.00	400		97	40-140		
Hexachlorobenzene	340		µg/l	5.00	400		85	40-140		
Hexachlorobutadiene	304		µg/l	5.00	400		76	40-140		
Hexachloroethane	292		µg/l	5.00	400		73	40-140		
2-Methylphenol	287		µg/l	5.00	400		72	30-130		
3,4-Methylphenol	332		µg/l	10.0	400		83	40-130		
Nitrobenzene	343		µg/l	5.00	400		86	40-140		
Pentachlorophenol	368		µg/l	5.00	400		92	30-130		
Pyridine	183		µg/l	5.00	400		46	40-140		
2,4,5-Trichlorophenol	322		µg/l	5.00	400		80	30-130		
2,4,6-Trichlorophenol	296		µg/l	5.00	400		74	30-130		
Surrogate: 2-Fluorobiphenyl	*237*		µg/l		*800*		*30*	*30-130*		
Surrogate: 2-Fluorophenol	*194*		µg/l		*800*		*24*	*15-110*		
Surrogate: Nitrobenzene-d5	*236*		µg/l		*800*		*30*	*30-130*		
Surrogate: Terphenyl-dl4	*233*		µg/l		*800*		*29*	*30-130*		
Duplicate (7041906-DUP1) **Source: SA61270-01**										
Prepared & Analyzed: 30-Apr-07										
1,4-Dichlorobenzene	BRL	U	µg/l	5.00		BRL				50
2,4-Dinitrotoluene	BRL	U	µg/l	5.00		BRL				50
Hexachlorobenzene	BRL	U	µg/l	5.00		BRL				50
Hexachlorobutadiene	BRL	U	µg/l	5.00		BRL				50
Hexachloroethane	BRL	U	µg/l	5.00		BRL				50
2-Methylphenol	BRL	U	µg/l	5.00		BRL				50
3,4-Methylphenol	BRL	U	µg/l	10.0		BRL				50
Nitrobenzene	BRL	U	µg/l	5.00		BRL				50
Pentachlorophenol	BRL	U	µg/l	5.00		BRL				50
Pyridine	BRL	U	µg/l	5.00		BRL				50
2,4,5-Trichlorophenol	BRL	U	µg/l	5.00		BRL				50
2,4,6-Trichlorophenol	BRL	U	µg/l	5.00		BRL				50
Surrogate: 2-Fluorobiphenyl	*292*		µg/l		*400*		*73*	*30-130*		
Surrogate: 2-Fluorophenol	*321*		µg/l		*400*		*80*	*15-110*		
Surrogate: Nitrobenzene-d5	*286*		µg/l		*400*		*72*	*30-130*		
Surrogate: Terphenyl-dl4	*315*		µg/l		*400*		*79*	*30-130*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041999 - SW846 3050B										
Blank (7041999-BLK1)										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Iron	19.9	QB1	mg/kg wet	1.67						
Potassium	15.7	J	mg/kg wet	41.7						
Thallium	BRL	U	mg/kg wet	2.50						
Lead	BRL	U	mg/kg wet	1.25						
Antimony	BRL	U	mg/kg wet	2.50						
Selenium	BRL	U	mg/kg wet	1.25						
Sodium	26.7	J	mg/kg wet	27.1						
Manganese	0.471	J	mg/kg wet	0.834						
Nickel	2.51	J	mg/kg wet	2.59						
Magnesium	0.989	J	mg/kg wet	4.17						
Zinc	0.363	J	mg/kg wet	0.834						
Vanadium	BRL	U	mg/kg wet	1.25						
Beryllium	BRL	U	mg/kg wet	0.417						
Chromium	4.25	J	mg/kg wet	13.4						
Copper	BRL	U	mg/kg wet	0.834						
Cobalt	0.0584	J	mg/kg wet	0.834						
Cadmium	BRL	U	mg/kg wet	0.417						
Calcium	BRL	U	mg/kg wet	20.9						
Arsenic	BRL	U	mg/kg wet	1.25						
Aluminum	1.69	QB1	mg/kg wet	1.67						
Silver	BRL	U	mg/kg wet	1.25						
Barium	BRL	U	mg/kg wet	0.834						
Duplicate (7041999-DUP1) **Source: SA61310-01**										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Lead	5.69		mg/kg dry	1.51		5.76			1	20
Zinc	18.9		mg/kg dry	1.01		19.0			0.5	20
Selenium	BRL	U	mg/kg dry	1.51		BRL				20
Antimony	0.373	J	mg/kg dry	3.02		0.434			15	20
Potassium	610		mg/kg dry	50.4		555			9	20
Thallium	BRL	U	mg/kg dry	3.02		BRL				20
Magnesium	4040		mg/kg dry	5.04		3590			12	20
Manganese	178		mg/kg dry	1.01		171			4	20
Vanadium	12.4		mg/kg dry	1.51		13.3			7	20
Nickel	11.1		mg/kg dry	3.12		10.5			6	20
Sodium	259		mg/kg dry	32.7		298			14	20
Iron	9250		mg/kg dry	2.02		8500			8	20
Cobalt	3.53		mg/kg dry	1.01		3.25			8	20
Chromium	15.8	J	mg/kg dry	16.1		16.8			6	20
Arsenic	1.52	QR1	mg/kg dry	1.51		1.03			38	20
Calcium	7720	QM2	mg/kg dry	25.2		12700			49	20
Aluminum	3700		mg/kg dry	2.02		4160			12	20
Beryllium	0.181	QR4, J	mg/kg dry	0.504		0.235			26	20
Copper	16.8	QR6	mg/kg dry	1.01		12.1			33	20
Cadmium	0.287	J	mg/kg dry	0.504		0.262			9	20
Silver	11.1		mg/kg dry	1.51		12.1			9	20
Barium	26.3		mg/kg dry	1.01		26.4			0.4	20
Matrix Spike (7041999-MS1) **Source: SA61260-01**										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Lead	832		mg/kg dry	1.44	120	705	106	75-125		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041999 - SW846 3050B										
Matrix Spike (7041999-MS1) **Source: SA61260-01**										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Magnesium	7170	QM2	mg/kg dry	4.80	120	7490	NR	75-125		
Antimony	73.8	QM8	mg/kg dry	2.88	120	0.507	61	75-125		
Sodium	1020		mg/kg dry	31.2	600	326	116	75-125		
Selenium	104		mg/kg dry	1.44	120	0.646	86	75-125		
Thallium	93.5		mg/kg dry	2.88	120	BRL	78	75-125		
Manganese	338	QM8	mg/kg dry	0.960	120	186	127	75-125		
Vanadium	142		mg/kg dry	1.44	120	25.3	97	75-125		
Potassium	2490	QM8	mg/kg dry	48.0	1200	785	142	75-125		
Zinc	386		mg/kg dry	0.960	120	265	101	75-125		
Iron	13400	QM2	mg/kg dry	1.92	120	10900	NR	75-125		
Nickel	126		mg/kg dry	2.98	120	25.0	84	75-125		
Aluminum	8560	QM2	mg/kg dry	1.92	120	5230	NR	75-125		
Cadmium	106		mg/kg dry	0.480	120	0.899	88	75-125		
Copper	203		mg/kg dry	0.960	120	73.6	108	75-125		
Chromium	125		mg/kg dry	0.960	120	18.2	89	75-125		
Cobalt	109		mg/kg dry	0.960	120	5.24	86	75-125		
Silver	102	QM8	mg/kg dry	1.44	120	14.4	73	75-125		
Calcium	14500	QM2	mg/kg dry	24.0	600	14500	0	75-125		
Arsenic	115		mg/kg dry	1.44	120	11.0	87	75-125		
Beryllium	104		mg/kg dry	0.480	120	0.328	86	75-125		
Barium	494		mg/kg dry	0.960	120	381	94	75-125		
Matrix Spike Dup (7041999-MSD1) **Source: SA61260-01**										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Potassium	2340	QM8	mg/kg dry	48.0	1200	785	130	75-125	6	35
Magnesium	5450	QM2	mg/kg dry	4.80	120	7490	NR	75-125	27	35
Zinc	339	QM8	mg/kg dry	0.960	120	265	62	75-125	13	35
Vanadium	140		mg/kg dry	1.44	120	25.3	96	75-125	1	35
Iron	10700	QM2	mg/kg dry	1.92	120	10900	NR	75-125	22	35
Manganese	290		mg/kg dry	0.960	120	186	87	75-125	15	35
Sodium	963		mg/kg dry	31.2	600	326	106	75-125	6	35
Lead	906	QM4X	mg/kg dry	1.44	120	705	168	75-125	9	35
Thallium	97.6		mg/kg dry	2.88	120	BRL	81	75-125	4	35
Antimony	85.7	QM8	mg/kg dry	2.88	120	0.507	71	75-125	15	35
Nickel	124		mg/kg dry	2.98	120	25.0	82	75-125	2	35
Selenium	106		mg/kg dry	1.44	120	0.646	88	75-125	2	35
Cobalt	110		mg/kg dry	0.960	120	5.24	87	75-125	0.9	35
Chromium	130		mg/kg dry	0.960	120	18.2	93	75-125	4	35
Copper	190		mg/kg dry	0.960	120	73.6	97	75-125	7	35
Cadmium	108		mg/kg dry	0.480	120	0.899	89	75-125	2	35
Arsenic	115		mg/kg dry	1.44	120	11.0	87	75-125	0	35
Beryllium	105		mg/kg dry	0.480	120	0.328	87	75-125	1	35
Calcium	10600	QM2	mg/kg dry	24.0	600	14500	NR	75-125	31	35
Aluminum	7020	QM2	mg/kg dry	1.92	120	5230	NR	75-125	20	35
Silver	108		mg/kg dry	1.44	120	14.4	78	75-125	6	35
Barium	387	QM7	mg/kg dry	0.960	120	381	5	75-125	24	35
Post Spike (7041999-PS1) **Source: SA61260-01**										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Thallium	113		mg/kg dry	3.24	135	BRL	84	80-120		
Nickel	145		mg/kg dry	3.35	135	25.0	89	80-120		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041999 - SW846 3050B										
Post Spike (7041999-PS1) **Source: SA61260-01**										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Vanadium	159		mg/kg dry	1.62	135	25.3	99	80-120		
Zinc	405		mg/kg dry	1.08	135	265	104	80-120		
Lead	784	QM4X	mg/kg dry	1.62	135	705	59	80-120		
Antimony	125		mg/kg dry	3.24	135	0.507	92	80-120		
Selenium	123		mg/kg dry	1.62	135	0.646	91	80-120		
Sodium	891		mg/kg dry	35.2	676	326	84	80-120		
Magnesium	6410	QM2	mg/kg dry	5.41	135	7490	NR	80-120		
Manganese	330		mg/kg dry	1.08	135	186	107	80-120		
Potassium	2090		mg/kg dry	54.1	1350	785	97	80-120		
Iron	13000	QM2	mg/kg dry	2.16	135	10900	NR	80-120		
Copper	219		mg/kg dry	1.08	135	73.6	108	80-120		
Silver	132		mg/kg dry	1.62	135	14.4	87	80-120		
Cobalt	126		mg/kg dry	1.08	135	5.24	89	80-120		
Chromium	140		mg/kg dry	1.08	135	18.2	90	80-120		
Calcium	13600	QM2	mg/kg dry	27.0	676	14500	NR	80-120		
Aluminum	6010	QM2	mg/kg dry	2.16	135	5230	578	80-120		
Arsenic	135		mg/kg dry	1.62	135	11.0	92	80-120		
Cadmium	124		mg/kg dry	0.541	135	0.899	91	80-120		
Beryllium	122		mg/kg dry	0.541	135	0.328	90	80-120		
Barium	448	QC1	mg/kg dry	1.08	135	381	50	80-120		
Reference (7041999-SRM1)										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Thallium	75.7		mg/kg wet	3.00	87.3		87	77.6-122.4		
Magnesium	1230		mg/kg wet	5.00	1330		92	78-122		
Lead	56.1		mg/kg wet	1.50	61.6		91	78.4-120.8		
Selenium	63.6		mg/kg wet	1.50	70.9		90	77.5-122.5		
Manganese	185		mg/kg wet	1.00	197		94	81.5-118.5		
Sodium	210		mg/kg wet	32.5	196		107	64.1-135.9		
Zinc	53.7		mg/kg wet	1.00	60.1		89	79.1-121.4		
Antimony	23.6		mg/kg wet	3.00	58.0		41	0-210.6		
Potassium	1170		mg/kg wet	50.0	1250		94	73.3-126.8		
Iron	6820		mg/kg wet	2.00	8580		79	53.2-146.1		
Vanadium	61.4		mg/kg wet	1.50	66.3		93	77.1-123.3		
Nickel	50.0		mg/kg wet	3.10	52.4		95	81-120.6		
Cobalt	31.0		mg/kg wet	1.00	34.6		90	81.3-118.7		
Beryllium	47.0		mg/kg wet	0.500	52.4		90	82.1-118.6		
Cadmium	44.3		mg/kg wet	0.500	48.9		91	80.1-119.6		
Arsenic	70.0		mg/kg wet	1.50	77.6		90	76.8-123.2		
Calcium	3390		mg/kg wet	25.0	3520		96	80.7-119.3		
Aluminum	4450		mg/kg wet	2.00	4680		95	52.8-146.9		
Silver	52.8		mg/kg wet	1.50	49.7		106	66.3-133.3		
Chromium	61.4		mg/kg wet	1.00	61.6		100	80.5-119.2		
Copper	41.0		mg/kg wet	1.00	42.6		96	78.2-121.7		
Barium	131		mg/kg wet	1.00	140		94	82-118		
Reference (7041999-SRM2)										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Lead	59.2		mg/kg wet	1.50	60.7		98	78.4-120.8		
Antimony	21.9		mg/kg wet	3.00	57.2		38	0-210.6		
Selenium	61.6		mg/kg wet	1.50	69.8		88	77.5-122.5		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041999 - SW846 3050B										
Reference (7041999-SRM2)										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Zinc	51.6		mg/kg wet	1.00	59.2		87	79.1-121.4		
Manganese	186		mg/kg wet	1.00	194		96	81.5-118.5		
Sodium	200		mg/kg wet	32.5	193		104	64.1-135.9		
Nickel	48.8		mg/kg wet	3.10	51.6		95	81-120.6		
Thallium	74.9		mg/kg wet	3.00	86.0		87	77.6-122.4		
Vanadium	58.8		mg/kg wet	1.50	65.3		90	77.1-123.3		
Magnesium	1210		mg/kg wet	5.00	1310		92	78-122		
Iron	6500		mg/kg wet	2.00	8450		77	53.2-146.1		
Potassium	1140		mg/kg wet	50.0	1230		93	73.3-126.8		
Copper	38.3		mg/kg wet	1.00	42.0		91	78.2-121.7		
Arsenic	68.6		mg/kg wet	1.50	76.4		90	76.8-123.2		
Beryllium	45.0		mg/kg wet	0.500	51.6		87	82.1-118.6		
Cadmium	43.9		mg/kg wet	0.500	48.2		91	80.1-119.6		
Calcium	3500		mg/kg wet	25.0	3470		101	80.7-119.3		
Aluminum	4340		mg/kg wet	2.00	4610		94	52.8-146.9		
Silver	49.2		mg/kg wet	1.50	49.0		100	66.3-133.3		
Chromium	59.4		mg/kg wet	1.00	60.7		98	80.5-119.2		
Cobalt	30.7		mg/kg wet	1.00	34.1		90	81.3-118.7		
Barium	124		mg/kg wet	1.00	138		90	82-118		
Batch 7042000 - EPA200/SW7000 Series										
Blank (7042000-BLK1)										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Mercury	BRL	U	mg/kg wet	0.0295						
Duplicate (7042000-DUP1) **Source: SA61310-01**										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Mercury	BRL	U	mg/kg dry	0.0356		BRL				20
Matrix Spike (7042000-MS1) **Source: SA61260-01**										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Mercury	1.44	QM7	mg/kg dry	0.0316	0.438	1.76	NR	75-125		
Matrix Spike Dup (7042000-MSD1) **Source: SA61260-01**										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Mercury	1.51	QM7	mg/kg dry	0.0317	0.440	1.76	NR	75-125	5	35
Post Spike (7042000-PS1) **Source: SA61260-01**										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Mercury	1.19	QC1	mg/kg dry	0.0319	0.444	1.76	NR	85-115		
Reference (7042000-SRM1)										
Prepared: 30-Apr-07 Analyzed: 02-May-07										
Mercury	1.65		mg/kg wet	0.0300	1.46		113	66-132.6		

TCLP Metals by EPA 1311 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041954 - SW846 3010A										
Blank (7041954-BLK1)										
Prepared: 30-Apr-07 Analyzed: 01-May-07										
Lead	0.0156	QB1	mg/l	0.0075						
Selenium	0.0072	J	mg/l	0.0150						
Silver	BRL	U	mg/l	0.0050						
Arsenic	BRL	U	mg/l	0.0150						
Cadmium	0.0009	J	mg/l	0.0025						
Chromium	BRL	U	mg/l	0.0050						
Barium	BRL	U	mg/l	0.0050						
LCS (7041954-BS1)										
Prepared: 30-Apr-07 Analyzed: 01-May-07										
Lead	1.32		mg/l	0.0075	1.25		106	85-115		
Selenium	1.26		mg/l	0.0150	1.25		101	78.9-116		
Arsenic	1.27		mg/l	0.0150	1.25		102	82.5-110		
Cadmium	1.27		mg/l	0.0025	1.25		102	81.6-115		
Silver	1.28		mg/l	0.0050	1.25		102	69.2-113		
Chromium	1.37		mg/l	0.0050	1.25		110	85-110		
Barium	1.28		mg/l	0.0050	1.25		102	86-117		
LCS Dup (7041954-BSD1)										
Prepared: 30-Apr-07 Analyzed: 01-May-07										
Lead	1.31		mg/l	0.0075	1.25		105	85-115	0.8	20
Selenium	1.25		mg/l	0.0150	1.25		100	78.9-116	0.8	20
Cadmium	1.25		mg/l	0.0025	1.25		100	81.6-115	2	20
Chromium	1.34		mg/l	0.0050	1.25		107	85-110	2	20
Silver	1.24		mg/l	0.0050	1.25		99	69.2-113	3	20
Arsenic	1.21		mg/l	0.0150	1.25		97	82.5-110	5	20
Barium	1.26		mg/l	0.0050	1.25		101	86-117	2	20
Duplicate (7041954-DUP1) **Source: SA61260-01**										
Prepared: 30-Apr-07 Analyzed: 01-May-07										
Lead	0.958		mg/l	0.0075		0.944			1	20
Selenium	0.0088	J	mg/l	0.0150		0.0072			20	20
Silver	BRL	U	mg/l	0.0050		BRL				20
Arsenic	BRL	U	mg/l	0.0150		BRL				20
Chromium	0.0064		mg/l	0.0050		0.0059			8	20
Cadmium	0.0043		mg/l	0.0025		0.0042			2	20
Barium	0.939		mg/l	0.0050		0.950			1	20
Matrix Spike (7041954-MS1) **Source: SA61288-02**										
Prepared: 30-Apr-07 Analyzed: 01-May-07										
Selenium	1.23		mg/l	0.0150	1.25	0.0059	98	79.9-113		
Lead	1.29		mg/l	0.0075	1.25	0.0035	103	68.9-106		
Arsenic	1.19		mg/l	0.0150	1.25	BRL	95	82.9-109		
Cadmium	1.23		mg/l	0.0025	1.25	0.0004	98	63.8-121		
Silver	1.20		mg/l	0.0050	1.25	BRL	96	70.4-112		
Chromium	1.32		mg/l	0.0050	1.25	0.0028	105	83-105		
Barium	1.49		mg/l	0.0050	1.25	0.246	100	84.5-116		
Matrix Spike Dup (7041954-MSD1) **Source: SA61288-02**										
Prepared: 30-Apr-07 Analyzed: 01-May-07										
Lead	1.30		mg/l	0.0075	1.25	0.0035	104	68.9-106	0.8	35
Selenium	1.22		mg/l	0.0150	1.25	0.0059	97	79.9-113	0.8	35

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041954 - SW846 3010A										
Matrix Spike Dup (7041954-MSD1) **Source: SA61288-02**										
Prepared: 30-Apr-07 Analyzed: 01-May-07										
Arsenic	1.20		mg/l	0.0150	1.25	BRL	96	82.9-109	0.8	35
Cadmium	1.24		mg/l	0.0025	1.25	0.0004	99	63.8-121	0.8	35
Silver	1.22		mg/l	0.0050	1.25	BRL	98	70.4-112	2	35
Chromium	1.33	QM8	mg/l	0.0050	1.25	0.0028	106	83-105	0.8	35
Barium	1.50		mg/l	0.0050	1.25	0.246	100	84.5-116	0.7	35
Post Spike (7041954-PS1) **Source: SA61288-02**										
Prepared: 30-Apr-07 Analyzed: 01-May-07										
Lead	1.29		mg/l	0.0075	1.25	0.0035	103	69.1-106		
Selenium	1.22		mg/l	0.0150	1.25	0.0059	97	80.7-114		
Cadmium	1.22		mg/l	0.0025	1.25	0.0004	98	70.9-117		
Silver	1.23		mg/l	0.0050	1.25	BRL	98	67.7-120		
Chromium	1.31		mg/l	0.0050	1.25	0.0028	105	79.2-107		
Arsenic	1.18		mg/l	0.0150	1.25	BRL	94	72.8-117		
Barium	1.48		mg/l	0.0050	1.25	0.246	99	84.7-117		
Batch 7041956 - EPA200/SW7000 Series										
Blank (7041956-BLK1)										
Prepared & Analyzed: 01-May-07										
Mercury	BRL	U	mg/l	0.00020						
LCS (7041956-BS1)										
Prepared & Analyzed: 01-May-07										
Mercury	0.00244		mg/l	0.00020	0.00250		98	63.3-124		
Duplicate (7041956-DUP1) **Source: SA61260-01**										
Prepared & Analyzed: 01-May-07										
Mercury	BRL	U	mg/l	0.00020		BRL				20
Matrix Spike (7041956-MS1) **Source: SA61288-02**										
Prepared & Analyzed: 01-May-07										
Mercury	0.00258		mg/l	0.00020	0.00250	BRL	103	53.1-126		
Matrix Spike Dup (7041956-MSD1) **Source: SA61288-02**										
Prepared & Analyzed: 01-May-07										
Mercury	0.00247		mg/l	0.00020	0.00250	BRL	99	53.1-126	4	35
Post Spike (7041956-PS1) **Source: SA61288-02**										
Prepared & Analyzed: 01-May-07										
Mercury	0.00245		mg/l	0.00020	0.00250	BRL	98	85-115		

Toxicity Characteristics - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041996 - General Preparation										
Duplicate (7041996-DUP1) **Source: SA61310-01**										
Prepared & Analyzed: 30-Apr-07										
pH	7.57		pH Units			7.57			0	5
Reference (7041996-SRM1)										
Prepared & Analyzed: 30-Apr-07										
pH	7.02		pH Units		7.00		100	90-110		
Batch 7050150 - General Preparation										
Duplicate (7050150-DUP1) **Source: SA61413-01**										
Prepared & Analyzed: 02-May-07										
Ignitability by Definition	Negative	U	N/A			0.00				35
Batch 7050174 - General Preparation										
Blank (7050174-BLK1)										
Prepared & Analyzed: 02-May-07										
Reactivity	Negative	U	mg/kg wet							
Reactive Cyanide	BRL	U	mg/kg wet	25.0						
Reactive Sulfide	BRL	U	mg/kg wet	50.0						
Duplicate (7050174-DUP1) **Source: SA61380-01**										
Prepared & Analyzed: 02-May-07										
Reactivity	Negative	U	mg/kg dry			0.00				200
Reactive Cyanide	BRL	U	mg/kg dry	25.0		BRL				20
Reactive Sulfide	BRL	U	mg/kg dry	50.0		BRL				20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7050052 - General Preparation										
Duplicate (7050052-DUP1) **Source: SA61205-01**										
Prepared & Analyzed: 01-May-07										
% Solids	91.7		%			91.7			0	20
Batch 7050096 - SW846 9010										
Blank (7050096-BLK1)										
Prepared & Analyzed: 01-May-07										
Cyanide (total)	BRL	U	mg/kg wet	1.00						
LCS (7050096-BS1)										
Prepared & Analyzed: 01-May-07										
Cyanide (total)	28.6		mg/kg wet	1.00	30.0		95	90-110		
LCS (7050096-BS2)										
Prepared & Analyzed: 01-May-07										
Cyanide (total)	74.2		mg/kg wet	1.00	80.0		93	90-110		
Duplicate (7050096-DUP1) **Source: SA61260-01**										
Prepared & Analyzed: 01-May-07										
Cyanide (total)	BRL	U	mg/kg dry	0.998		BRL				35
Matrix Spike (7050096-MS1) **Source: SA61260-01**										
Prepared & Analyzed: 01-May-07										
Cyanide (total)	9.03		mg/kg dry	0.996	9.96	BRL	91	75-125		
Matrix Spike Dup (7050096-MSD1) **Source: SA61260-01**										
Prepared & Analyzed: 01-May-07										
Cyanide (total)	11.3		mg/kg dry	1.05	10.5	BRL	108	75-125	22	35
Reference (7050096-SRM1)										
Prepared & Analyzed: 01-May-07										
Cyanide (total)	201		mg/kg wet	3.80	240		84	40-160		
Batch 7050172 - General Preparation										
Blank (7050172-BLK1)										
Prepared & Analyzed: 01-May-07										
Sulfide	0.0140	J	mg/kg	1.00						
LCS (7050172-BS1)										
Prepared & Analyzed: 01-May-07										
Sulfide	0.520	J	mg/kg	1.00	0.500		104	80-120		
Duplicate (7050172-DUP1) **Source: SA61260-01**										
Prepared & Analyzed: 01-May-07										
Sulfide	0.0100	J	mg/kg	1.00		0.00800			22	35
Matrix Spike (7050172-MS1) **Source: SA61260-01**										
Prepared & Analyzed: 01-May-07										
Sulfide	1.46	J	mg/kg	2.67	1.33	0.00800	109	70-130		

Notes and Definitions

Comp	Completed
HT2	This sample was received outside the EPA recommended holding time for the analysis specified.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
Neg	Negative
QB1	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.
QR1	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QR4	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
U	Analyte included in the analysis, but not detected
vex1	Lab extracted
VOC8	Reporting limits reflect SW846 5030 extraction technique due to matrix interference using SW846 5035A extraction technique.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

Report Date:
02-May-07 10:17

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: 166 Myrtle Ave - Brooklyn, NY
Project [none]

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA61248-01	LEG15-042607	Ground Water	26-Apr-07 09:45	27-Apr-07 10:00
SA61248-02	LEG2-042607	Ground Water	26-Apr-07 11:40	27-Apr-07 10:00
SA61248-03	LEG20-042607	Ground Water	26-Apr-07 13:00	27-Apr-07 10:00
SA61248-04	LEG22-042607	Ground Water	26-Apr-07 14:05	27-Apr-07 10:00
SA61248-05	TP-042607	Aqueous	26-Apr-07 00:00	27-Apr-07 10:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 32 pages of analytical data plus Chain of Custody document(s).
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Maine # MA138
New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG15-042607 SA61248-01	[none]	Ground Water	26-Apr-07 09:45	27-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	30-Apr-07	30-Apr-07	7041961	tr
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	3.8		µg/l	1.0	0.8	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	33.2		µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-01-6	Trichloroethene	0.5	J	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*97*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*103*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*100*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3510C												
12674-11-2	Aroclor-1016	BRL	U	µg/l	0.250	0.0813	1	SW846 8082	30-Apr-07	30-Apr-07	7041908	SM
11104-28-2	Aroclor-1221	BRL	U	µg/l	0.250	0.0788	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/l	0.250	0.190	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/l	0.250	0.164	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/l	0.250	0.193	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/l	0.250	0.0580	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/l	0.250	0.0671	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/l	0.250	0.0300	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/l	0.250	0.145	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG15-042607 SA61248-01	[none]	Ground Water	26-Apr-07 09:45	27-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3510C												
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*		*30-150 %*				SW846 8082	30-Apr-07	30-Apr-07	7041908	SM
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL	U	µg/l	6.25	0.150	1	SW846 8270C	30-Apr-07	30-Apr-07	7041909	M.B
208-96-8	Acenaphthylene	BRL	U	µg/l	6.25	0.188	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/l	6.25	0.475	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	6.25	0.188	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	6.25	0.400	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	6.25	0.212	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	6.25	0.825	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	6.25	0.175	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	6.25	0.250	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/l	6.25	0.112	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	6.25	1.19	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/l	6.25	0.712	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/l	6.25	0.225	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/l	6.25	0.600	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/l	6.25	0.125	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	6.25	0.0875	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	6.25	0.100	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/l	6.25	0.0750	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/l	6.25	0.450	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/l	6.25	0.162	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/l	6.25	0.200	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/l	6.25	0.175	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/l	6.25	0.162	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/l	6.25	0.388	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/l	6.25	0.150	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/l	6.25	0.300	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	6.25	0.150	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	6.25	0.150	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	6.25	0.462	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	6.25	0.288	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/l	6.25	0.375	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	6.25	0.138	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	6.25	0.262	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	12.5	0.300	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	6.25	0.238	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/l	6.25	0.0750	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/l	6.25	0.212	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	6.25	0.225	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/l	6.25	0.288	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/l	25.0	0.325	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	25.0	0.400	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	6.25	0.288	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/l	6.25	0.125	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG15-042607 SA61248-01	[none]	Ground Water	26-Apr-07 09:45	27-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
129-00-0	Pyrene	BRL	U	µg/l	6.25	0.438	1	SW846 8270C	30-Apr-07	30-Apr-07	7041909	M.B
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	6.25	0.125	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*68*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*72*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*62*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*70*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*75*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*58*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0020	1	SW846 6010B	27-Apr-07	30-Apr-07	7041829	LR
7429-90-5	Aluminum	1.40		mg/l	0.0150	0.0055	1	"	"	"	"	"
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0025	1	"	"	"	"	"
7440-39-3	Barium	0.189		mg/l	0.0050	0.0020	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0010	1	"	"	"	"	"
7440-70-2	Calcium	130		mg/l	0.100	0.0455	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-48-4	Cobalt	BRL	U	mg/l	0.0050	0.0015	1	"	"	"	"	"
7440-47-3	Chromium	0.0054		mg/l	0.0050	0.0025	1	"	"	"	"	"
7440-50-8	Copper	0.0048	J	mg/l	0.0050	0.0015	1	"	"	"	"	"
7439-89-6	Iron	1.49		mg/l	0.0150	0.0075	1	"	"	"	"	"
7440-09-7	Potassium	9.43		mg/l	0.500	0.142	1	"	"	"	"	"
7439-95-4	Magnesium	28.4		mg/l	0.0100	0.0024	1	"	"	"	"	"
7439-96-5	Manganese	0.169		mg/l	0.0010	0.0005	1	"	"	"	"	"
7440-23-5	Sodium	35.4		mg/l	0.250	0.0600	1	"	"	"	"	"
7440-02-0	Nickel	0.0058		mg/l	0.0050	0.0005	1	"	"	"	"	"
7439-92-1	Lead	0.0152		mg/l	0.0075	0.0025	1	"	"	"	"	"
7440-36-0	Antimony	0.0046	J	mg/l	0.0060	0.0035	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0050	1	"	"	"	"	"
7440-28-0	Thallium	0.0059	J	mg/l	0.0060	0.0015	1	"	"	"	"	"
7440-62-2	Vanadium	0.0046	J	mg/l	0.0050	0.0035	1	"	"	"	"	"
7440-66-6	Zinc	0.0214		mg/l	0.0150	0.0005	1	"	"	"	"	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00008	1	EPA 245.1/7470A	27-Apr-07	01-May-07	7041827	BT

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG2-042607 SA61248-02	[none]	Ground Water	26-Apr-07 11:40	27-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	30-Apr-07	30-Apr-07	7041961	tr
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	11.1		µg/l	1.0	0.8	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	7.9		µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*104*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3510C												
12674-11-2	Aroclor-1016	BRL	U	µg/l	0.242	0.0788	1	SW846 8082	30-Apr-07	30-Apr-07	7041908	SM
11104-28-2	Aroclor-1221	BRL	U	µg/l	0.242	0.0764	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/l	0.242	0.185	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/l	0.242	0.159	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/l	0.242	0.188	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/l	0.242	0.0562	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/l	0.242	0.0651	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/l	0.242	0.0291	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/l	0.242	0.140	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG2-042607 SA61248-02	[none]	Ground Water	26-Apr-07 11:40	27-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3510C												
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*55*		*30-150 %*				SW846 8082	30-Apr-07	30-Apr-07	7041908	SM
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL	U	µg/l	5.56	0.133	1	SW846 8270C	30-Apr-07	30-Apr-07	7041909	M.B
208-96-8	Acenaphthylene	BRL	U	µg/l	5.56	0.167	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/l	5.56	0.422	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	5.56	0.167	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	5.56	0.356	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	5.56	0.189	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	5.56	0.733	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	5.56	0.156	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	5.56	0.222	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/l	5.56	0.100	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.56	1.06	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/l	5.56	0.633	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/l	5.56	0.200	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/l	5.56	0.533	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	5.56	0.0778	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	5.56	0.0889	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/l	5.56	0.0667	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/l	5.56	0.400	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/l	5.56	0.144	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/l	5.56	0.178	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/l	5.56	0.156	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/l	5.56	0.144	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/l	5.56	0.344	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/l	5.56	0.133	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/l	5.56	0.267	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	5.56	0.133	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	5.56	0.133	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	5.56	0.411	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/l	5.56	0.333	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	5.56	0.122	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.56	0.233	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	11.1	0.267	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.56	0.211	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/l	5.56	0.0667	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/l	5.56	0.189	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	5.56	0.200	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/l	22.2	0.289	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	22.2	0.356	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG2-042607 SA61248-02	[none]	Ground Water	26-Apr-07 11:40	27-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
129-00-0	Pyrene	BRL	U	µg/l	5.56	0.389	1	SW846 8270C	30-Apr-07	30-Apr-07	7041909	M.B
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*74*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*81*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*70*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*76*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*82*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*64*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0020	1	SW846 6010B	27-Apr-07	30-Apr-07	7041829	LR
7429-90-5	Aluminum	0.349		mg/l	0.0150	0.0055	1	"	"	"	"	"
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0025	1	"	"	"	"	"
7440-39-3	Barium	0.0280		mg/l	0.0050	0.0020	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0010	1	"	"	"	"	"
7440-70-2	Calcium	32.7		mg/l	0.100	0.0455	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-48-4	Cobalt	BRL	U	mg/l	0.0050	0.0015	1	"	"	"	"	"
7440-47-3	Chromium	0.0033	J	mg/l	0.0050	0.0025	1	"	"	"	"	"
7440-50-8	Copper	0.0040	J	mg/l	0.0050	0.0015	1	"	"	"	"	"
7439-89-6	Iron	0.450		mg/l	0.0150	0.0075	1	"	"	"	"	"
7440-09-7	Potassium	3.97		mg/l	0.500	0.142	1	"	"	"	"	"
7439-95-4	Magnesium	7.31		mg/l	0.0100	0.0024	1	"	"	"	"	"
7439-96-5	Manganese	0.383		mg/l	0.0010	0.0005	1	"	"	"	"	"
7440-23-5	Sodium	9.79		mg/l	0.250	0.0600	1	"	"	"	"	"
7440-02-0	Nickel	0.0102		mg/l	0.0050	0.0005	1	"	"	"	"	"
7439-92-1	Lead	0.0028	J	mg/l	0.0075	0.0025	1	"	"	"	"	"
7440-36-0	Antimony	0.0038	J	mg/l	0.0060	0.0035	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0050	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/l	0.0060	0.0015	1	"	"	"	"	"
7440-62-2	Vanadium	BRL	U	mg/l	0.0050	0.0035	1	"	"	"	"	"
7440-66-6	Zinc	0.0126	J	mg/l	0.0150	0.0005	1	"	"	"	"	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00008	1	EPA 245.1/7470A	27-Apr-07	01-May-07	7041827	BT

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG20-042607 SA61248-03	[none]	Ground Water	26-Apr-07 13:00	27-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	30-Apr-07	30-Apr-07	7041961	tr
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	2.4		µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*98*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*102*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3510C												
12674-11-2	Aroclor-1016	BRL	U	µg/l	0.235	0.0765	1	SW846 8082	30-Apr-07	30-Apr-07	7041908	SM
11104-28-2	Aroclor-1221	BRL	U	µg/l	0.235	0.0741	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/l	0.235	0.179	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/l	0.235	0.154	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/l	0.235	0.182	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/l	0.235	0.0546	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/l	0.235	0.0632	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/l	0.235	0.0282	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/l	0.235	0.136	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG20-042607 SA61248-03	[none]	Ground Water	26-Apr-07 13:00	27-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3510C												
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*40*		*30-150 %*				SW846 8082	30-Apr-07	30-Apr-07	7041908	SM
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*40*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL	U	µg/l	5.88	0.141	1	SW846 8270C	30-Apr-07	30-Apr-07	7041909	M.B
208-96-8	Acenaphthylene	BRL	U	µg/l	5.88	0.176	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/l	5.88	0.447	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	5.88	0.176	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	5.88	0.376	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	5.88	0.200	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	5.88	0.776	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	5.88	0.165	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	5.88	0.235	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/l	5.88	0.106	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.88	1.12	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/l	5.88	0.671	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/l	5.88	0.212	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/l	5.88	0.565	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/l	5.88	0.118	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	5.88	0.0824	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	5.88	0.0941	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/l	5.88	0.0706	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/l	5.88	0.424	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/l	5.88	0.153	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/l	5.88	0.188	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/l	5.88	0.165	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/l	5.88	0.153	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/l	5.88	0.365	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/l	5.88	0.141	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/l	5.88	0.282	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	5.88	0.141	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	5.88	0.141	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	5.88	0.435	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	5.88	0.271	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/l	5.88	0.353	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	5.88	0.129	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.88	0.247	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	11.8	0.282	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.88	0.224	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/l	5.88	0.0706	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/l	5.88	0.200	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	5.88	0.212	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/l	5.88	0.271	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/l	23.5	0.306	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	23.5	0.376	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	5.88	0.271	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/l	5.88	0.118	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG20-042607 SA61248-03	[none]	Ground Water	26-Apr-07 13:00	27-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
129-00-0	Pyrene	BRL	U	µg/l	5.88	0.412	1	SW846 8270C	30-Apr-07	30-Apr-07	7041909	M.B
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.88	0.118	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*74*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*83*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*71*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*78*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*85*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*66*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0020	1	SW846 6010B	27-Apr-07	30-Apr-07	7041829	LR
7429-90-5	Aluminum	0.328		mg/l	0.0150	0.0055	1	"	"	"	"	"
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0025	1	"	"	"	"	"
7440-39-3	Barium	0.119		mg/l	0.0050	0.0020	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0010	1	"	"	"	"	"
7440-70-2	Calcium	97.0		mg/l	0.100	0.0455	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-48-4	Cobalt	BRL	U	mg/l	0.0050	0.0015	1	"	"	"	"	"
7440-47-3	Chromium	0.0036	J	mg/l	0.0050	0.0025	1	"	"	"	"	"
7440-50-8	Copper	0.0044	J	mg/l	0.0050	0.0015	1	"	"	"	"	"
7439-89-6	Iron	0.523		mg/l	0.0150	0.0075	1	"	"	"	"	"
7440-09-7	Potassium	9.52		mg/l	0.500	0.142	1	"	"	"	"	"
7439-95-4	Magnesium	23.8		mg/l	0.0100	0.0024	1	"	"	"	"	"
7439-96-5	Manganese	0.289		mg/l	0.0010	0.0005	1	"	"	"	"	"
7440-23-5	Sodium	44.4		mg/l	0.250	0.0600	1	"	"	"	"	"
7440-02-0	Nickel	0.0118		mg/l	0.0050	0.0005	1	"	"	"	"	"
7439-92-1	Lead	0.0028	J	mg/l	0.0075	0.0025	1	"	"	"	"	"
7440-36-0	Antimony	0.0048	J	mg/l	0.0060	0.0035	1	"	"	"	"	"
7782-49-2	Selenium	0.0087	J	mg/l	0.0150	0.0050	1	"	"	"	"	"
7440-28-0	Thallium	0.0019	J	mg/l	0.0060	0.0015	1	"	"	"	"	"
7440-62-2	Vanadium	BRL	U	mg/l	0.0050	0.0035	1	"	"	"	"	"
7440-66-6	Zinc	0.0137	J	mg/l	0.0150	0.0005	1	"	"	"	"	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00008	1	EPA 245.1/7470A	27-Apr-07	01-May-07	7041827	BT

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG22-042607 SA61248-04	[none]	Ground Water	26-Apr-07 14:05	27-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	30-Apr-07	30-Apr-07	7041961	tr
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	2.3		µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*98*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*102*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*100*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3510C												
12674-11-2	Aroclor-1016	BRL	U	µg/l	0.235	0.0765	1	SW846 8082	30-Apr-07	30-Apr-07	7041908	SM
11104-28-2	Aroclor-1221	BRL	U	µg/l	0.235	0.0741	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/l	0.235	0.179	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/l	0.235	0.154	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/l	0.235	0.182	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/l	0.235	0.0546	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/l	0.235	0.0632	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/l	0.235	0.0282	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/l	0.235	0.136	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG22-042607 SA61248-04	[none]	Ground Water	26-Apr-07 14:05	27-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3510C												
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*		*30-150 %*				SW846 8082	30-Apr-07	30-Apr-07	7041908	SM
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL	U	µg/l	5.71	0.137	1	SW846 8270C	30-Apr-07	30-Apr-07	7041909	M.B
208-96-8	Acenaphthylene	BRL	U	µg/l	5.71	0.171	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/l	5.71	0.434	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	5.71	0.171	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	5.71	0.366	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	5.71	0.194	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	5.71	0.754	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	5.71	0.160	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	5.71	0.229	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/l	5.71	0.103	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.71	1.09	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/l	5.71	0.651	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/l	5.71	0.206	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/l	5.71	0.549	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/l	5.71	0.114	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	5.71	0.0800	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	5.71	0.0914	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/l	5.71	0.0686	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/l	5.71	0.411	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/l	5.71	0.149	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/l	5.71	0.183	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/l	5.71	0.160	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/l	5.71	0.149	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/l	5.71	0.354	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/l	5.71	0.137	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/l	5.71	0.274	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	5.71	0.137	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	5.71	0.137	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	5.71	0.423	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	5.71	0.263	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/l	5.71	0.343	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	5.71	0.126	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.71	0.240	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	11.4	0.274	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.71	0.217	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/l	5.71	0.0686	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/l	5.71	0.194	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	5.71	0.206	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/l	5.71	0.263	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/l	22.9	0.297	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	22.9	0.366	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	5.71	0.263	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/l	5.71	0.114	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG22-042607 SA61248-04	[none]	Ground Water	26-Apr-07 14:05	27-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
129-00-0	Pyrene	BRL	U	µg/l	5.71	0.400	1	SW846 8270C	30-Apr-07	30-Apr-07	7041909	M.B
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.71	0.114	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*77*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*86*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*74*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*83*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*83*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*69*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0020	1	SW846 6010B	27-Apr-07	30-Apr-07	7041829	LR
7429-90-5	Aluminum	0.239		mg/l	0.0150	0.0055	1	"	"	"	"	"
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0025	1	"	"	"	"	"
7440-39-3	Barium	0.144		mg/l	0.0050	0.0020	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0010	1	"	"	"	"	"
7440-70-2	Calcium	93.8		mg/l	0.100	0.0455	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-48-4	Cobalt	BRL	U	mg/l	0.0050	0.0015	1	"	"	"	"	"
7440-47-3	Chromium	0.0034	J	mg/l	0.0050	0.0025	1	"	"	"	"	"
7440-50-8	Copper	0.0044	J	mg/l	0.0050	0.0015	1	"	"	"	"	"
7439-89-6	Iron	0.429		mg/l	0.0150	0.0075	1	"	"	"	"	"
7440-09-7	Potassium	11.8		mg/l	0.500	0.142	1	"	"	"	"	"
7439-95-4	Magnesium	25.5		mg/l	0.0100	0.0024	1	"	"	"	"	"
7439-96-5	Manganese	0.209		mg/l	0.0010	0.0005	1	"	"	"	"	"
7440-23-5	Sodium	57.6		mg/l	0.250	0.0600	1	"	"	"	"	"
7440-02-0	Nickel	0.0066		mg/l	0.0050	0.0005	1	"	"	"	"	"
7439-92-1	Lead	0.0039	J	mg/l	0.0075	0.0025	1	"	"	"	"	"
7440-36-0	Antimony	0.0045	J	mg/l	0.0060	0.0035	1	"	"	"	"	"
7782-49-2	Selenium	0.0086	J	mg/l	0.0150	0.0050	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/l	0.0060	0.0015	1	"	"	"	"	"
7440-62-2	Vanadium	BRL	U	mg/l	0.0050	0.0035	1	"	"	"	"	"
7440-66-6	Zinc	0.0084	J	mg/l	0.0150	0.0005	1	"	"	"	"	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00008	1	EPA 245.1/7470A	27-Apr-07	01-May-07	7041827	BT

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TP-042607 SA61248-05	[none]	Aqueous	26-Apr-07 00:00	27-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	30-Apr-07	30-Apr-07	7041961	tr
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*97*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*102*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*100*		*70-130 %*				"	"	"	"	"

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041961 - SW846 5030 Water MS										
Blank (7041961-BLK1)										
Prepared & Analyzed: 30-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0						
Acetone	BRL	U	µg/l	10.0						
Acrylonitrile	BRL	U	µg/l	1.0						
Benzene	BRL	U	µg/l	1.0						
Bromobenzene	BRL	U	µg/l	1.0						
Bromochloromethane	BRL	U	µg/l	1.0						
Bromodichloromethane	BRL	U	µg/l	1.0						
Bromoform	BRL	U	µg/l	1.0						
Bromomethane	BRL	U	µg/l	2.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
n-Butylbenzene	BRL	U	µg/l	1.0						
sec-Butylbenzene	BRL	U	µg/l	1.0						
tert-Butylbenzene	BRL	U	µg/l	1.0						
Carbon disulfide	BRL	U	µg/l	5.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroethane	BRL	U	µg/l	2.0						
Chloroform	BRL	U	µg/l	1.0						
Chloromethane	BRL	U	µg/l	2.0						
2-Chlorotoluene	BRL	U	µg/l	1.0						
4-Chlorotoluene	BRL	U	µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0						
Dibromochloromethane	BRL	U	µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0						
Dibromomethane	BRL	U	µg/l	1.0						
1,2-Dichlorobenzene	BRL	U	µg/l	1.0						
1,3-Dichlorobenzene	BRL	U	µg/l	1.0						
1,4-Dichlorobenzene	BRL	U	µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0						
1,1-Dichloroethane	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	1.0						
1,2-Dichloropropane	BRL	U	µg/l	1.0						
1,3-Dichloropropane	BRL	U	µg/l	1.0						
2,2-Dichloropropane	BRL	U	µg/l	1.0						
1,1-Dichloropropene	BRL	U	µg/l	1.0						
cis-1,3-Dichloropropene	BRL	U	µg/l	1.0						
trans-1,3-Dichloropropene	BRL	U	µg/l	1.0						
Ethylbenzene	BRL	U	µg/l	1.0						
Hexachlorobutadiene	BRL	U	µg/l	1.0						
2-Hexanone (MBK)	BRL	U	µg/l	10.0						
Isopropylbenzene	BRL	U	µg/l	1.0						
4-Isopropyltoluene	BRL	U	µg/l	1.0						
Methyl tert-butyl ether	BRL	U	µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0						
Methylene chloride	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041961 - SW846 5030 Water MS										
Blank (7041961-BLK1)										
Prepared & Analyzed: 30-Apr-07										
n-Propylbenzene	BRL	U	µg/l	1.0						
Styrene	BRL	U	µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0						
1,1,1-Trichloroethane	BRL	U	µg/l	1.0						
1,1,2-Trichloroethane	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0						
1,2,3-Trichloropropane	BRL	U	µg/l	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
m,p-Xylene	BRL	U	µg/l	2.0						
o-Xylene	BRL	U	µg/l	1.0						
Tetrahydrofuran	BRL	U	µg/l	10.0						
Ethyl ether	BRL	U	µg/l	1.0						
Tert-amyl methyl ether	BRL	U	µg/l	1.0						
Ethyl tert-butyl ether	BRL	U	µg/l	1.0						
Di-isopropyl ether	BRL	U	µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0						
1,4-Dioxane	BRL	U	µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*49.8*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*49.7*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*52.9*		µg/l		*50.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*49.7*		µg/l		*50.0*		*99*	*70-130*		
LCS (7041961-BS1)										
Prepared & Analyzed: 30-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.0		µg/l		20.0		115	70-130		
Acetone	12.3		µg/l		20.0		62	43.1-149		
Acrylonitrile	22.8		µg/l		20.0		114	70-130		
Benzene	20.6		µg/l		20.0		103	70-130		
Bromobenzene	18.8		µg/l		20.0		94	70-130		
Bromochloromethane	19.8		µg/l		20.0		99	70-130		
Bromodichloromethane	18.5		µg/l		20.0		92	70-130		
Bromoform	13.9		µg/l		20.0		70	70-130		
Bromomethane	16.5		µg/l		20.0		82	58.6-138		
2-Butanone (MEK)	23.8		µg/l		20.0		119	52.4-135		
n-Butylbenzene	22.2		µg/l		20.0		111	70-130		
sec-Butylbenzene	20.5		µg/l		20.0		102	70-130		
tert-Butylbenzene	19.7		µg/l		20.0		98	70-130		
Carbon disulfide	18.8		µg/l		20.0		94	70-130		
Carbon tetrachloride	13.2	QC1	µg/l		20.0		66	70-130		
Chlorobenzene	19.9		µg/l		20.0		100	70-130		
Chloroethane	16.8		µg/l		20.0		84	60.8-131		
Chloroform	20.6		µg/l		20.0		103	70-130		
Chloromethane	17.5		µg/l		20.0		88	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041961 - SW846 5030 Water MS										
LCS (7041961-BS1)										
Prepared & Analyzed: 30-Apr-07										
2-Chlorotoluene	20.4		µg/l		20.0		102	70-130		
4-Chlorotoluene	19.8		µg/l		20.0		99	70-130		
1,2-Dibromo-3-chloropropane	17.2		µg/l		20.0		86	70-130		
Dibromochloromethane	16.0		µg/l		20.0		80	70-144		
1,2-Dibromoethane (EDB)	19.5		µg/l		20.0		98	70-130		
Dibromomethane	20.6		µg/l		20.0		103	70-130		
1,2-Dichlorobenzene	20.5		µg/l		20.0		102	70-130		
1,3-Dichlorobenzene	19.0		µg/l		20.0		95	70-130		
1,4-Dichlorobenzene	19.9		µg/l		20.0		100	70-130		
Dichlorodifluoromethane (Freon12)	17.6		µg/l		20.0		88	36.9-172		
1,1-Dichloroethane	21.1		µg/l		20.0		106	70-130		
1,2-Dichloroethane	20.4		µg/l		20.0		102	70-130		
1,1-Dichloroethene	17.9		µg/l		20.0		90	70-130		
cis-1,2-Dichloroethene	21.0		µg/l		20.0		105	70-130		
trans-1,2-Dichloroethene	19.8		µg/l		20.0		99	70-130		
1,2-Dichloropropane	21.3		µg/l		20.0		106	70-130		
1,3-Dichloropropane	21.3		µg/l		20.0		106	70-130		
2,2-Dichloropropane	12.0	QC2	µg/l		20.0		60	70-130		
1,1-Dichloropropene	20.8		µg/l		20.0		104	70-130		
cis-1,3-Dichloropropene	16.7		µg/l		20.0		84	70-130		
trans-1,3-Dichloropropene	14.3		µg/l		20.0		72	70-130		
Ethylbenzene	20.4		µg/l		20.0		102	70-130		
Hexachlorobutadiene	19.8		µg/l		20.0		99	70-136		
2-Hexanone (MBK)	18.9		µg/l		20.0		94	70-130		
Isopropylbenzene	19.0		µg/l		20.0		95	70-130		
4-Isopropyltoluene	21.8		µg/l		20.0		109	70-130		
Methyl tert-butyl ether	18.7		µg/l		20.0		94	70-130		
4-Methyl-2-pentanone (MIBK)	20.2		µg/l		20.0		101	67.7-131		
Methylene chloride	19.0		µg/l		20.0		95	70-130		
Naphthalene	19.6		µg/l		20.0		98	70-130		
n-Propylbenzene	20.2		µg/l		20.0		101	70-130		
Styrene	19.9		µg/l		20.0		100	70-130		
1,1,1,2-Tetrachloroethane	15.1		µg/l		20.0		76	70-130		
1,1,2,2-Tetrachloroethane	21.1		µg/l		20.0		106	70-130		
Tetrachloroethene	18.7		µg/l		20.0		94	70-130		
Toluene	19.7		µg/l		20.0		98	70-130		
1,2,3-Trichlorobenzene	18.3		µg/l		20.0		92	70-130		
1,2,4-Trichlorobenzene	17.3		µg/l		20.0		86	70-130		
1,1,1-Trichloroethane	16.1		µg/l		20.0		80	70-130		
1,1,2-Trichloroethane	21.2		µg/l		20.0		106	70-130		
Trichloroethene	20.6		µg/l		20.0		103	70-130		
Trichlorofluoromethane (Freon 11)	19.5		µg/l		20.0		98	69-132		
1,2,3-Trichloropropane	23.1		µg/l		20.0		116	70-130		
1,2,4-Trimethylbenzene	19.6		µg/l		20.0		98	70-130		
1,3,5-Trimethylbenzene	19.9		µg/l		20.0		100	70-130		
Vinyl chloride	18.4		µg/l		20.0		92	70-130		
m,p-Xylene	40.7		µg/l		40.0		102	70-130		
o-Xylene	20.1		µg/l		20.0		100	70-130		
Tetrahydrofuran	21.7		µg/l		20.0		108	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041961 - SW846 5030 Water MS										
LCS (7041961-BS1)										
Prepared & Analyzed: 30-Apr-07										
Ethyl ether	18.7		µg/l		20.0		94	70-130		
Tert-amyl methyl ether	26.5	QC2	µg/l		20.0		132	70-130		
Ethyl tert-butyl ether	17.0		µg/l		20.0		85	70-130		
Di-isopropyl ether	20.2		µg/l		20.0		101	70-130		
Tert-Butanol / butyl alcohol	128	QC2	µg/l		200		64	70-130		
1,4-Dioxane	227		µg/l		200		114	66.1-132		
Surrogate: 4-Bromofluorobenzene	*49.0*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*49.0*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.1*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*49.8*		µg/l		*50.0*		*100*	*70-130*		
LCS Dup (7041961-BSD1)										
Prepared & Analyzed: 30-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.7		µg/l		20.0		114	70-130	0.9	25
Acetone	17.7		µg/l		20.0		88	43.1-149	35	50
Acrylonitrile	22.0		µg/l		20.0		110	70-130	4	25
Benzene	19.7		µg/l		20.0		98	70-130	5	25
Bromobenzene	19.4		µg/l		20.0		97	70-130	3	25
Bromochloromethane	19.6		µg/l		20.0		98	70-130	1	25
Bromodichloromethane	19.5		µg/l		20.0		98	70-130	6	25
Bromoform	14.8		µg/l		20.0		74	70-130	6	25
Bromomethane	14.7		µg/l		20.0		74	58.6-138	10	50
2-Butanone (MEK)	24.8		µg/l		20.0		124	52.4-135	4	50
n-Butylbenzene	24.1		µg/l		20.0		120	70-130	8	25
sec-Butylbenzene	20.5		µg/l		20.0		102	70-130	0	25
tert-Butylbenzene	19.8		µg/l		20.0		99	70-130	1	25
Carbon disulfide	17.2		µg/l		20.0		86	70-130	9	25
Carbon tetrachloride	14.0		µg/l		20.0		70	70-130	6	25
Chlorobenzene	20.0		µg/l		20.0		100	70-130	0	25
Chloroethane	15.7		µg/l		20.0		78	60.8-131	7	50
Chloroform	20.3		µg/l		20.0		102	70-130	1	25
Chloromethane	18.2		µg/l		20.0		91	70-130	3	25
2-Chlorotoluene	20.4		µg/l		20.0		102	70-130	0	25
4-Chlorotoluene	20.3		µg/l		20.0		102	70-130	3	25
1,2-Dibromo-3-chloropropane	18.0		µg/l		20.0		90	70-130	5	25
Dibromochloromethane	17.3		µg/l		20.0		86	70-144	7	50
1,2-Dibromoethane (EDB)	19.7		µg/l		20.0		98	70-130	0	25
Dibromomethane	21.2		µg/l		20.0		106	70-130	3	25
1,2-Dichlorobenzene	21.1		µg/l		20.0		106	70-130	4	25
1,3-Dichlorobenzene	20.8		µg/l		20.0		104	70-130	9	25
1,4-Dichlorobenzene	20.2		µg/l		20.0		101	70-130	1	25
Dichlorodifluoromethane (Freon12)	17.8		µg/l		20.0		89	36.9-172	1	50
1,1-Dichloroethane	20.3		µg/l		20.0		102	70-130	4	25
1,2-Dichloroethane	20.8		µg/l		20.0		104	70-130	2	25
1,1-Dichloroethene	17.4		µg/l		20.0		87	70-130	3	25
cis-1,2-Dichloroethene	20.7		µg/l		20.0		104	70-130	1	25
trans-1,2-Dichloroethene	18.9		µg/l		20.0		94	70-130	5	25
1,2-Dichloropropane	21.0		µg/l		20.0		105	70-130	0.9	25
1,3-Dichloropropane	21.6		µg/l		20.0		108	70-130	2	25
2,2-Dichloropropane	12.8	QC2	µg/l		20.0		64	70-130	6	25
1,1-Dichloropropene	19.8		µg/l		20.0		99	70-130	5	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041961 - SW846 5030 Water MS										
LCS Dup (7041961-BSD1)										
Prepared & Analyzed: 30-Apr-07										
cis-1,3-Dichloropropene	17.7		µg/l		20.0		88	70-130	5	25
trans-1,3-Dichloropropene	15.2		µg/l		20.0		76	70-130	5	25
Ethylbenzene	19.6		µg/l		20.0		98	70-130	4	25
Hexachlorobutadiene	19.9		µg/l		20.0		100	70-136	1	50
2-Hexanone (MBK)	20.7		µg/l		20.0		104	70-130	10	25
Isopropylbenzene	18.2		µg/l		20.0		91	70-130	4	25
4-Isopropyltoluene	21.5		µg/l		20.0		108	70-130	0.9	25
Methyl tert-butyl ether	19.2		µg/l		20.0		96	70-130	2	25
4-Methyl-2-pentanone (MIBK)	19.0		µg/l		20.0		95	67.7-131	6	50
Methylene chloride	19.5		µg/l		20.0		98	70-130	3	25
Naphthalene	28.6	QC1	µg/l		20.0		143	70-130	37	25
n-Propylbenzene	19.6		µg/l		20.0		98	70-130	3	25
Styrene	20.4		µg/l		20.0		102	70-130	2	25
1,1,1,2-Tetrachloroethane	16.1		µg/l		20.0		80	70-130	5	25
1,1,2,2-Tetrachloroethane	21.6		µg/l		20.0		108	70-130	2	25
Tetrachloroethene	17.6		µg/l		20.0		88	70-130	7	25
Toluene	19.1		µg/l		20.0		96	70-130	2	25
1,2,3-Trichlorobenzene	23.9	QR2	µg/l		20.0		120	70-130	26	25
1,2,4-Trichlorobenzene	22.8	QR2	µg/l		20.0		114	70-130	28	25
1,1,1-Trichloroethane	16.7		µg/l		20.0		84	70-130	5	25
1,1,2-Trichloroethane	21.5		µg/l		20.0		108	70-130	2	25
Trichloroethene	19.6		µg/l		20.0		98	70-130	5	25
Trichlorofluoromethane (Freon 11)	18.7		µg/l		20.0		94	69-132	4	50
1,2,3-Trichloropropane	23.7		µg/l		20.0		118	70-130	2	25
1,2,4-Trimethylbenzene	22.3		µg/l		20.0		112	70-130	13	25
1,3,5-Trimethylbenzene	20.5		µg/l		20.0		102	70-130	2	25
Vinyl chloride	21.7		µg/l		20.0		108	70-130	16	25
m,p-Xylene	39.4		µg/l		40.0		98	70-130	4	25
o-Xylene	20.5		µg/l		20.0		102	70-130	2	25
Tetrahydrofuran	20.6		µg/l		20.0		103	70-130	5	25
Ethyl ether	19.2		µg/l		20.0		96	70-130	2	50
Tert-amyl methyl ether	26.4	QC2	µg/l		20.0		132	70-130	0	25
Ethyl tert-butyl ether	18.0		µg/l		20.0		90	70-130	6	25
Di-isopropyl ether	20.6		µg/l		20.0		103	70-130	2	25
Tert-Butanol / butyl alcohol	125	QC2	µg/l		200		62	70-130	3	25
1,4-Dioxane	212		µg/l		200		106	66.1-132	7	25
Surrogate: 4-Bromofluorobenzene	*50.1*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*48.9*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.7*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Matrix Spike (7041961-MS1) **Source: SA61248-01**										
Prepared & Analyzed: 30-Apr-07										
Benzene	21.6		µg/l		20.0	BRL	108	70-130		
Chlorobenzene	22.4		µg/l		20.0	BRL	112	70-130		
1,1-Dichloroethene	18.8		µg/l		20.0	BRL	94	70-130		
Toluene	20.9		µg/l		20.0	BRL	104	70-130		
Trichloroethene	21.2		µg/l		20.0	0.540	103	70-130		
Surrogate: 4-Bromofluorobenzene	*49.0*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*49.2*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.9*		µg/l		*50.0*		*102*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041961 - SW846 5030 Water MS										
Matrix Spike (7041961-MS1) **Source: SA61248-01**										
Prepared & Analyzed: 30-Apr-07										
Surrogate: Dibromofluoromethane	*50.6*		µg/l		*50.0*		*101*	*70-130*		
Matrix Spike Dup (7041961-MSD1) **Source: SA61248-01**										
Prepared & Analyzed: 30-Apr-07										
Benzene	22.0		µg/l		20.0	BRL	110	70-130	2	30
Chlorobenzene	22.8		µg/l		20.0	BRL	114	70-130	2	30
1,1-Dichloroethene	19.2		µg/l		20.0	BRL	96	70-130	2	30
Toluene	21.6		µg/l		20.0	BRL	108	70-130	4	30
Trichloroethene	21.7		µg/l		20.0	0.540	106	70-130	3	30
Surrogate: 4-Bromofluorobenzene	*48.5*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*49.7*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*51.2*		µg/l		*50.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*50.2*		µg/l		*50.0*		*100*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041908 - SW846 3510C										
Blank (7041908-BLK1)										
Prepared & Analyzed: 30-Apr-07										
Aroclor-1016	BRL	U	µg/l	0.200						
Aroclor-1016 [2C]	BRL	U	µg/l	0.200						
Aroclor-1221	BRL	U	µg/l	0.200						
Aroclor-1221 [2C]	BRL	U	µg/l	0.200						
Aroclor-1232	BRL	U	µg/l	0.200						
Aroclor-1232 [2C]	BRL	U	µg/l	0.200						
Aroclor-1242	BRL	U	µg/l	0.200						
Aroclor-1242 [2C]	BRL	U	µg/l	0.200						
Aroclor-1248	BRL	U	µg/l	0.200						
Aroclor-1248 [2C]	BRL	U	µg/l	0.200						
Aroclor-1254	BRL	U	µg/l	0.200						
Aroclor-1254 [2C]	BRL	U	µg/l	0.200						
Aroclor-1260	BRL	U	µg/l	0.200						
Aroclor-1260 [2C]	BRL	U	µg/l	0.200						
Aroclor-1262	BRL	U	µg/l	0.200						
Aroclor-1262 [2C]	BRL	U	µg/l	0.200						
Aroclor-1268	BRL	U	µg/l	0.200						
Aroclor-1268 [2C]	BRL	U	µg/l	0.200						
Surrogate: Decachlorobiphenyl (Sr)	*0.140*		µg/l		*0.200*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.180*		µg/l		*0.200*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.120*		µg/l		*0.200*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.100*		µg/l		*0.200*		*50*	*30-150*		
LCS (7041908-BS1)										
Prepared & Analyzed: 30-Apr-07										
Aroclor-1016	2.58		µg/l	0.200	2.50		103	50-140		
Aroclor-1016 [2C]	2.43		µg/l	0.200	2.50		97	50-140		
Aroclor-1221	BRL	U	µg/l	0.200				50-140		
Aroclor-1221 [2C]	BRL	U	µg/l	0.200				50-140		
Aroclor-1232	BRL	U	µg/l	0.200				50-140		
Aroclor-1232 [2C]	BRL	U	µg/l	0.200				50-140		
Aroclor-1242	BRL	U	µg/l	0.200				50-140		
Aroclor-1242 [2C]	BRL	U	µg/l	0.200				50-140		
Aroclor-1248	BRL	U	µg/l	0.200				50-140		
Aroclor-1248 [2C]	BRL	U	µg/l	0.200				50-140		
Aroclor-1254	BRL	U	µg/l	0.200				50-140		
Aroclor-1254 [2C]	BRL	U	µg/l	0.200				50-140		
Aroclor-1260	2.28		µg/l	0.200	2.50		91	50-140		
Aroclor-1260 [2C]	2.29		µg/l	0.200	2.50		92	50-140		
Aroclor-1262	BRL	U	µg/l	0.200				50-140		
Aroclor-1262 [2C]	BRL	U	µg/l	0.200				50-140		
Aroclor-1268	BRL	U	µg/l	0.200				50-140		
Aroclor-1268 [2C]	BRL	U	µg/l	0.200				50-140		
Surrogate: Decachlorobiphenyl (Sr)	*0.110*		µg/l		*0.200*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.120*		µg/l		*0.200*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0900*		µg/l		*0.200*		*45*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.0600*		µg/l		*0.200*		*30*	*30-150*		
LCS Dup (7041908-BSD1)										
Prepared & Analyzed: 30-Apr-07										
Aroclor-1016	2.47		µg/l	0.200	2.50		99	50-140	4	30
Aroclor-1016 [2C]	2.44		µg/l	0.200	2.50		98	50-140	1	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041908 - SW846 3510C										
LCS Dup (7041908-BSD1)										
Prepared & Analyzed: 30-Apr-07										
Aroclor-1221	BRL	U	µg/l	0.200				50-140		30
Aroclor-1221 [2C]	BRL	U	µg/l	0.200				50-140		30
Aroclor-1232	BRL	U	µg/l	0.200				50-140		30
Aroclor-1232 [2C]	BRL	U	µg/l	0.200				50-140		30
Aroclor-1242	BRL	U	µg/l	0.200				50-140		30
Aroclor-1242 [2C]	BRL	U	µg/l	0.200				50-140		30
Aroclor-1248	BRL	U	µg/l	0.200				50-140		30
Aroclor-1248 [2C]	BRL	U	µg/l	0.200				50-140		30
Aroclor-1254	BRL	U	µg/l	0.200				50-140		30
Aroclor-1254 [2C]	BRL	U	µg/l	0.200				50-140		30
Aroclor-1260	2.22		µg/l	0.200	2.50		89	50-140	2	30
Aroclor-1260 [2C]	2.45		µg/l	0.200	2.50		98	50-140	6	30
Aroclor-1262	BRL	U	µg/l	0.200				50-140		30
Aroclor-1262 [2C]	BRL	U	µg/l	0.200				50-140		30
Aroclor-1268	BRL	U	µg/l	0.200				50-140		30
Aroclor-1268 [2C]	BRL	U	µg/l	0.200				50-140		30
Surrogate: Decachlorobiphenyl (Sr)	*0.110*		µg/l		*0.200*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.140*		µg/l		*0.200*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0900*		µg/l		*0.200*		*45*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.0700*		µg/l		*0.200*		*35*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041909 - SW846 3510C										
Blank (7041909-BLK1)										
Prepared & Analyzed: 30-Apr-07										
Acenaphthene	BRL	U	µg/l	5.00						
Acenaphthylene	BRL	U	µg/l	5.00						
Aniline	BRL	U	µg/l	5.00						
Anthracene	BRL	U	µg/l	5.00						
Atrazine	BRL	U	µg/l	5.00						
Azobenzene/Diphenyldiazine	BRL	U	µg/l	5.00						
Benzidine	BRL	U	µg/l	5.00						
Benzo (a) anthracene	BRL	U	µg/l	5.00						
Benzo (a) pyrene	BRL	U	µg/l	5.00						
Benzo (b) fluoranthene	BRL	U	µg/l	5.00						
Benzo (g,h,i) perylene	BRL	U	µg/l	5.00						
Benzo (k) fluoranthene	BRL	U	µg/l	5.00						
Benzoic acid	BRL	U	µg/l	5.00						
Benzyl alcohol	BRL	U	µg/l	5.00						
Bis(2-chloroethoxy)methane	BRL	U	µg/l	5.00						
Bis(2-chloroethyl)ether	BRL	U	µg/l	5.00						
Bis(2-chloroisopropyl)ether	BRL	U	µg/l	5.00						
Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.00						
4-Bromophenyl phenyl ether	BRL	U	µg/l	5.00						
Butyl benzyl phthalate	BRL	U	µg/l	5.00						
Carbazole	BRL	U	µg/l	5.00						
4-Chloro-3-methylphenol	BRL	U	µg/l	5.00						
4-Chloroaniline	BRL	U	µg/l	5.00						
2-Chloronaphthalene	BRL	U	µg/l	5.00						
2-Chlorophenol	BRL	U	µg/l	5.00						
4-Chlorophenyl phenyl ether	BRL	U	µg/l	5.00						
Chrysene	BRL	U	µg/l	5.00						
Dibenzo (a,h) anthracene	BRL	U	µg/l	5.00						
Dibenzofuran	BRL	U	µg/l	5.00						
1,2-Dichlorobenzene	BRL	U	µg/l	5.00						
1,3-Dichlorobenzene	BRL	U	µg/l	5.00						
1,4-Dichlorobenzene	BRL	U	µg/l	5.00						
3,3´-Dichlorobenzidine	BRL	U	µg/l	5.00						
2,4-Dichlorophenol	BRL	U	µg/l	5.00						
Diethyl phthalate	BRL	U	µg/l	5.00						
Dimethyl phthalate	BRL	U	µg/l	5.00						
2,4-Dimethylphenol	BRL	U	µg/l	5.00						
Di-n-butyl phthalate	BRL	U	µg/l	5.00						
4,6-Dinitro-2-methylphenol	BRL	U	µg/l	5.00						
2,4-Dinitrophenol	BRL	U	µg/l	5.00						
2,4-Dinitrotoluene	BRL	U	µg/l	5.00						
2,6-Dinitrotoluene	BRL	U	µg/l	5.00						
Di-n-octyl phthalate	BRL	U	µg/l	5.00						
Fluoranthene	BRL	U	µg/l	5.00						
Fluorene	BRL	U	µg/l	5.00						
Hexachlorobenzene	BRL	U	µg/l	5.00						
Hexachlorobutadiene	BRL	U	µg/l	5.00						
Hexachlorocyclopentadiene	BRL	U	µg/l	5.00						
Hexachloroethane	BRL	U	µg/l	5.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041909 - SW846 3510C										
Blank (7041909-BLK1)										
Prepared & Analyzed: 30-Apr-07										
Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	5.00						
Isophorone	BRL	U	µg/l	5.00						
2-Methylnaphthalene	BRL	U	µg/l	5.00						
2-Methylphenol	BRL	U	µg/l	5.00						
3,4-Methylphenol	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	5.00						
2-Nitroaniline	BRL	U	µg/l	5.00						
3-Nitroaniline	BRL	U	µg/l	5.00						
4-Nitroaniline	BRL	U	µg/l	20.0						
Nitrobenzene	BRL	U	µg/l	5.00						
2-Nitrophenol	BRL	U	µg/l	5.00						
4-Nitrophenol	BRL	U	µg/l	20.0						
N-Nitrosodimethylamine	BRL	U	µg/l	5.00						
N-Nitrosodi-n-propylamine	BRL	U	µg/l	5.00						
N-Nitrosodiphenylamine	BRL	U	µg/l	5.00						
Pentachlorophenol	BRL	U	µg/l	20.0						
Phenanthrene	BRL	U	µg/l	5.00						
Phenol	BRL	U	µg/l	5.00						
Pyrene	BRL	U	µg/l	5.00						
Pyridine	BRL	U	µg/l	5.00						
1-Methylnaphthalene	BRL	U	µg/l	5.00						
1,2,4-Trichlorobenzene	BRL	U	µg/l	5.00						
2,4,5-Trichlorophenol	BRL	U	µg/l	5.00						
2,4,6-Trichlorophenol	BRL	U	µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*79.2*		µg/l		*100*		*79*	*30-130*		
Surrogate: 2-Fluorophenol	*88.8*		µg/l		*100*		*89*	*15-110*		
Surrogate: Nitrobenzene-d5	*79.3*		µg/l		*100*		*79*	*30-130*		
Surrogate: Phenol-d5	*85.6*		µg/l		*100*		*86*	*15-110*		
Surrogate: Terphenyl-dl4	*84.2*		µg/l		*100*		*84*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*73.8*		µg/l		*100*		*74*	*15-110*		
LCS (7041909-BS1)										
Prepared & Analyzed: 30-Apr-07										
Acenaphthene	76.3		µg/l	5.00	100		76	40-130		
Acenaphthylene	83.3		µg/l	5.00	100		83	40-130		
Aniline	102		µg/l	5.00	100		102	40-130		
Anthracene	87.4		µg/l	5.00	100		87	40-130		
Atrazine	123		µg/l	5.00	100		123	0-200		
Azobenzene/Diphenyldiazine	95.5		µg/l	5.00	100		96	40-130		
Benzidine	71.1		µg/l	5.00	100		71	0-212		
Benzo (a) anthracene	82.2		µg/l	5.00	100		82	40-130		
Benzo (a) pyrene	84.1		µg/l	5.00	100		84	40-130		
Benzo (b) fluoranthene	81.3		µg/l	5.00	100		81	40-130		
Benzo (g,h,i) perylene	87.0		µg/l	5.00	100		87	40-130		
Benzo (k) fluoranthene	75.4		µg/l	5.00	100		75	40-130		
Benzoic acid	78.4		µg/l	5.00	100		78	10.5-130		
Benzyl alcohol	77.4		µg/l	5.00	100		77	40-130		
Bis(2-chloroethoxy)methane	78.0		µg/l	5.00	100		78	40-130		
Bis(2-chloroethyl)ether	72.4		µg/l	5.00	100		72	40-130		
Bis(2-chloroisopropyl)ether	91.0		µg/l	5.00	100		91	40-130		
Bis(2-ethylhexyl)phthalate	80.6		µg/l	5.00	100		81	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041909 - SW846 3510C										
LCS (7041909-BS1)										
Prepared & Analyzed: 30-Apr-07										
4-Bromophenyl phenyl ether	81.7		µg/l	5.00	100		82	40-130		
Butyl benzyl phthalate	80.3		µg/l	5.00	100		80	40-130		
Carbazole	106		µg/l	5.00	100		106	40-130		
4-Chloro-3-methylphenol	72.7		µg/l	5.00	100		73	40-130		
4-Chloroaniline	76.1		µg/l	5.00	100		76	40-130		
2-Chloronaphthalene	77.5		µg/l	5.00	100		78	40-130		
2-Chlorophenol	66.3		µg/l	5.00	100		66	40-130		
4-Chlorophenyl phenyl ether	77.5		µg/l	5.00	100		78	40-130		
Chrysene	81.6		µg/l	5.00	100		82	40-130		
Dibenzo (a,h) anthracene	92.0		µg/l	5.00	100		92	40-130		
Dibenzofuran	80.4		µg/l	5.00	100		80	40-130		
1,2-Dichlorobenzene	67.9		µg/l	5.00	100		68	40-130		
1,3-Dichlorobenzene	67.3		µg/l	5.00	100		67	40-130		
1,4-Dichlorobenzene	69.3		µg/l	5.00	100		69	40-130		
3,3´-Dichlorobenzidine	87.8		µg/l	5.00	100		88	40-130		
2,4-Dichlorophenol	68.3		µg/l	5.00	100		68	40-130		
Diethyl phthalate	79.4		µg/l	5.00	100		79	40-130		
Dimethyl phthalate	78.0		µg/l	5.00	100		78	40-130		
2,4-Dimethylphenol	68.3		µg/l	5.00	100		68	40-130		
Di-n-butyl phthalate	82.2		µg/l	5.00	100		82	40-130		
4,6-Dinitro-2-methylphenol	95.2		µg/l	5.00	100		95	40-130		
2,4-Dinitrophenol	94.4		µg/l	5.00	100		94	40-130		
2,4-Dinitrotoluene	93.0		µg/l	5.00	100		93	40-130		
2,6-Dinitrotoluene	87.8		µg/l	5.00	100		88	40-130		
Di-n-octyl phthalate	81.9		µg/l	5.00	100		82	40-130		
Fluoranthene	85.2		µg/l	5.00	100		85	40-130		
Fluorene	77.5		µg/l	5.00	100		78	40-130		
Hexachlorobenzene	80.2		µg/l	5.00	100		80	40-130		
Hexachlorobutadiene	69.9		µg/l	5.00	100		70	40-130		
Hexachlorocyclopentadiene	84.1		µg/l	5.00	100		84	40-130		
Hexachloroethane	69.2		µg/l	5.00	100		69	40-130		
Indeno (1,2,3-cd) pyrene	80.6		µg/l	5.00	100		81	40-130		
Isophorone	78.5		µg/l	5.00	100		78	40-130		
2-Methylnaphthalene	73.6		µg/l	5.00	100		74	40-130		
2-Methylphenol	68.0		µg/l	5.00	100		68	40-130		
3,4-Methylphenol	78.0		µg/l	10.0	100		78	40-130		
Naphthalene	77.1		µg/l	5.00	100		77	40-130		
2-Nitroaniline	94.1		µg/l	5.00	100		94	40-130		
3-Nitroaniline	92.8		µg/l	5.00	100		93	40-130		
4-Nitroaniline	117		µg/l	20.0	100		117	40-130		
Nitrobenzene	79.3		µg/l	5.00	100		79	40-130		
2-Nitrophenol	72.8		µg/l	5.00	100		73	40-130		
4-Nitrophenol	61.3		µg/l	20.0	100		61	40-130		
N-Nitrosodimethylamine	63.9		µg/l	5.00	100		64	40-130		
N-Nitrosodi-n-propylamine	44.4		µg/l	5.00	100		44	40-130		
N-Nitrosodiphenylamine	87.9		µg/l	5.00	100		88	40-130		
Pentachlorophenol	87.2		µg/l	20.0	100		87	40-130		
Phenanthrene	80.9		µg/l	5.00	100		81	40-130		
Phenol	73.0		µg/l	5.00	100		73	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041909 - SW846 3510C										
LCS (7041909-BS1)										
Prepared & Analyzed: 30-Apr-07										
Pyrene	74.9		µg/l	5.00	100		75	40-130		
Pyridine	40.8		µg/l	5.00	100		41	40-130		
1-Methylnaphthalene	75.8		µg/l	5.00	100		76	40-140		
1,2,4-Trichlorobenzene	70.6		µg/l	5.00	100		71	40-130		
2,4,5-Trichlorophenol	73.6		µg/l	5.00	100		74	40-130		
2,4,6-Trichlorophenol	67.4		µg/l	5.00	100		67	40-130		
Surrogate: 2-Fluorobiphenyl	*78.0*		µg/l		*100*		*78*	*30-130*		
Surrogate: 2-Fluorophenol	*68.8*		µg/l		*100*		*69*	*15-110*		
Surrogate: Nitrobenzene-d5	*80.8*		µg/l		*100*		*81*	*30-130*		
Surrogate: Phenol-d5	*67.7*		µg/l		*100*		*68*	*15-110*		
Surrogate: Terphenyl-dl4	*79.4*		µg/l		*100*		*79*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*86.6*		µg/l		*100*		*87*	*15-110*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041829 - SW846 3005A										
Blank (7041829-BLK1)										
Prepared: 27-Apr-07 Analyzed: 30-Apr-07										
Manganese	BRL	U	mg/l	0.0010						
Potassium	BRL	U	mg/l	0.500						
Nickel	0.0010	J	mg/l	0.0050						
Sodium	BRL	U	mg/l	0.250						
Zinc	BRL	U	mg/l	0.0150						
Selenium	BRL	U	mg/l	0.0150						
Lead	BRL	U	mg/l	0.0075						
Antimony	BRL	U	mg/l	0.0060						
Iron	BRL	U	mg/l	0.0150						
Thallium	0.0056	J	mg/l	0.0060						
Magnesium	BRL	U	mg/l	0.0100						
Aluminum	BRL	U	mg/l	0.0150						
Vanadium	BRL	U	mg/l	0.0050						
Barium	BRL	U	mg/l	0.0050						
Beryllium	BRL	U	mg/l	0.0020						
Arsenic	BRL	U	mg/l	0.0040						
Cadmium	BRL	U	mg/l	0.0025						
Chromium	BRL	U	mg/l	0.0050						
Cobalt	BRL	U	mg/l	0.0050						
Copper	BRL	U	mg/l	0.0050						
Calcium	BRL	U	mg/l	0.100						
Silver	BRL	U	mg/l	0.0050						
LCS (7041829-BS1)										
Prepared: 27-Apr-07 Analyzed: 30-Apr-07										
Sodium	11.3		mg/l	0.250	12.5		90	85-115		
Zinc	2.48		mg/l	0.0150	2.50		99	85-115		
Potassium	26.1		mg/l	0.500	25.0		104	85-115		
Nickel	2.53		mg/l	0.0050	2.50		101	85-115		
Selenium	2.45		mg/l	0.0150	2.50		98	85-115		
Lead	2.58		mg/l	0.0075	2.50		103	85-115		
Antimony	2.48		mg/l	0.0060	2.50		99	85-115		
Thallium	2.45		mg/l	0.0060	2.50		98	85-115		
Manganese	2.61		mg/l	0.0010	2.50		104	85-115		
Magnesium	2.70		mg/l	0.0100	2.50		108	85-115		
Iron	2.61		mg/l	0.0150	2.50		104	85-115		
Vanadium	2.60		mg/l	0.0050	2.50		104	85-115		
Chromium	2.58		mg/l	0.0050	2.50		103	85-115		
Beryllium	2.59		mg/l	0.0020	2.50		104	85-115		
Copper	2.69		mg/l	0.0050	2.50		108	85-115		
Calcium	11.4		mg/l	0.100	12.5		91	85-115		
Cadmium	2.49		mg/l	0.0025	2.50		100	85-115		
Silver	2.30		mg/l	0.0050	2.50		92	85-115		
Barium	2.66		mg/l	0.0050	2.50		106	85-115		
Arsenic	2.50		mg/l	0.0040	2.50		100	85-115		
Aluminum	2.48		mg/l	0.0150	2.50		99	85-115		
Cobalt	2.57		mg/l	0.0050	2.50		103	85-115		
LCS Dup (7041829-BSD1)										
Prepared: 27-Apr-07 Analyzed: 30-Apr-07										
Lead	2.61		mg/l	0.0075	2.50		104	85-115	1	20

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041829 - SW846 3005A										
LCS Dup (7041829-BSD1)										
Prepared: 27-Apr-07 Analyzed: 30-Apr-07										
Zinc	2.53		mg/l	0.0150	2.50		101	85-115	2	20
Antimony	2.52		mg/l	0.0060	2.50		101	85-115	2	20
Sodium	11.6		mg/l	0.250	12.5		93	85-115	3	20
Potassium	26.6		mg/l	0.500	25.0		106	85-115	2	20
Nickel	2.58		mg/l	0.0050	2.50		103	85-115	2	20
Manganese	2.65		mg/l	0.0010	2.50		106	85-115	2	20
Selenium	2.49		mg/l	0.0150	2.50		100	85-115	2	20
Thallium	2.49		mg/l	0.0060	2.50		100	85-115	2	20
Magnesium	2.73		mg/l	0.0100	2.50		109	85-115	1	20
Iron	2.64		mg/l	0.0150	2.50		106	85-115	1	20
Cobalt	2.61		mg/l	0.0050	2.50		104	85-115	2	20
Barium	2.70		mg/l	0.0050	2.50		108	85-115	1	20
Calcium	11.5		mg/l	0.100	12.5		92	85-115	0.9	20
Vanadium	2.64		mg/l	0.0050	2.50		106	85-115	2	20
Beryllium	2.63		mg/l	0.0020	2.50		105	85-115	2	20
Arsenic	2.54		mg/l	0.0040	2.50		102	85-115	2	20
Aluminum	2.63		mg/l	0.0150	2.50		105	85-115	6	20
Cadmium	2.53		mg/l	0.0025	2.50		101	85-115	2	20
Copper	2.72		mg/l	0.0050	2.50		109	85-115	1	20
Silver	2.33		mg/l	0.0050	2.50		93	85-115	1	20
Chromium	2.61		mg/l	0.0050	2.50		104	85-115	1	20
Duplicate (7041829-DUP1) **Source: SA61248-01**										
Prepared: 27-Apr-07 Analyzed: 30-Apr-07										
Lead	0.0146		mg/l	0.0075		0.0152			4	20
Manganese	0.174		mg/l	0.0010		0.169			3	20
Sodium	35.7		mg/l	0.250		35.4			0.8	20
Zinc	0.0200		mg/l	0.0150		0.0214			7	20
Potassium	9.56		mg/l	0.500		9.43			1	20
Iron	1.99	QR6	mg/l	0.0150		1.49			29	20
Selenium	BRL	U	mg/l	0.0150		BRL				20
Antimony	0.0035	QR4, J	mg/l	0.0060		0.0046			27	20
Nickel	0.0062		mg/l	0.0050		0.0058			7	20
Thallium	0.0023	QR4, J	mg/l	0.0060		0.0059			88	20
Magnesium	28.6		mg/l	0.0100		28.4			0.7	20
Arsenic	BRL	U	mg/l	0.0040		BRL				20
Beryllium	BRL	U	mg/l	0.0020		BRL				20
Aluminum	1.86	QR6	mg/l	0.0150		1.40			28	20
Calcium	131		mg/l	0.100		130			0.8	20
Cadmium	BRL	U	mg/l	0.0025		BRL				20
Copper	0.0049	J	mg/l	0.0050		0.0048			2	20
Cobalt	BRL	U	mg/l	0.0050		BRL				20
Vanadium	0.0056		mg/l	0.0050		0.0046			20	20
Silver	BRL	U	mg/l	0.0050		BRL				20
Chromium	0.0056		mg/l	0.0050		0.0054			4	20
Barium	0.191		mg/l	0.0050		0.189			1	20
Matrix Spike (7041829-MS1) **Source: SA61248-02**										
Prepared: 27-Apr-07 Analyzed: 30-Apr-07										
Magnesium	9.40		mg/l	0.0100	2.50	7.31	84	75-125		
Antimony	2.57		mg/l	0.0060	2.50	0.0038	103	75-125		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041829 - SW846 3005A										
Matrix Spike (7041829-MS1) **Source: SA61248-02**										
Prepared: 27-Apr-07 Analyzed: 30-Apr-07										
Zinc	2.54		mg/l	0.0150	2.50	0.0126	101	75-125		
Manganese	2.97		mg/l	0.0010	2.50	0.383	103	75-125		
Iron	3.11		mg/l	0.0150	2.50	0.450	106	75-125		
Lead	2.63		mg/l	0.0075	2.50	0.0028	105	75-125		
Thallium	2.53		mg/l	0.0060	2.50	BRL	101	75-125		
Selenium	2.55		mg/l	0.0150	2.50	BRL	102	75-125		
Potassium	30.1		mg/l	0.500	25.0	3.97	105	75-125		
Sodium	20.6		mg/l	0.250	12.5	9.79	86	75-125		
Nickel	2.57		mg/l	0.0050	2.50	0.0102	102	75-125		
Silver	2.34		mg/l	0.0050	2.50	BRL	94	75-125		
Calcium	41.9	QM4X	mg/l	0.100	12.5	32.7	74	75-125		
Cadmium	2.51		mg/l	0.0025	2.50	BRL	100	75-125		
Cobalt	2.61		mg/l	0.0050	2.50	BRL	104	75-125		
Chromium	2.57		mg/l	0.0050	2.50	0.0033	103	75-125		
Copper	2.74		mg/l	0.0050	2.50	0.0040	109	75-125		
Beryllium	2.58		mg/l	0.0020	2.50	BRL	103	75-125		
Vanadium	2.61		mg/l	0.0050	2.50	BRL	104	70-130		
Arsenic	2.57		mg/l	0.0040	2.50	BRL	103	75-125		
Aluminum	3.15		mg/l	0.0150	2.50	0.349	112	75-125		
Barium	2.69		mg/l	0.0050	2.50	0.0280	106	75-125		
Matrix Spike Dup (7041829-MSD1) **Source: SA61248-02**										
Prepared: 27-Apr-07 Analyzed: 30-Apr-07										
Iron	3.09		mg/l	0.0150	2.50	0.450	106	75-125	0.6	20
Zinc	2.56		mg/l	0.0150	2.50	0.0126	102	75-125	0.8	20
Thallium	2.55		mg/l	0.0060	2.50	BRL	102	75-125	0.8	20
Antimony	2.58		mg/l	0.0060	2.50	0.0038	103	75-125	0.4	20
Selenium	2.54		mg/l	0.0150	2.50	BRL	102	75-125	0.4	20
Lead	2.65		mg/l	0.0075	2.50	0.0028	106	75-125	0.8	20
Potassium	30.5		mg/l	0.500	25.0	3.97	106	75-125	1	20
Manganese	3.01		mg/l	0.0010	2.50	0.383	105	75-125	1	20
Sodium	21.0		mg/l	0.250	12.5	9.79	90	75-125	2	20
Nickel	2.59		mg/l	0.0050	2.50	0.0102	103	75-125	0.8	20
Magnesium	9.64		mg/l	0.0100	2.50	7.31	93	75-125	3	20
Cadmium	2.52		mg/l	0.0025	2.50	BRL	101	75-125	0.4	20
Copper	2.78		mg/l	0.0050	2.50	0.0040	111	75-125	1	20
Beryllium	2.61		mg/l	0.0020	2.50	BRL	104	75-125	1	20
Chromium	2.60		mg/l	0.0050	2.50	0.0033	104	75-125	1	20
Cobalt	2.63		mg/l	0.0050	2.50	BRL	105	75-125	0.8	20
Calcium	43.0		mg/l	0.100	12.5	32.7	82	75-125	3	20
Silver	2.35		mg/l	0.0050	2.50	BRL	94	75-125	0.4	20
Aluminum	3.12		mg/l	0.0150	2.50	0.349	111	75-125	1	20
Vanadium	2.63		mg/l	0.0050	2.50	BRL	105	70-130	0.8	20
Arsenic	2.59		mg/l	0.0040	2.50	BRL	104	75-125	0.8	20
Barium	2.72		mg/l	0.0050	2.50	0.0280	108	75-125	1	20
Post Spike (7041829-PS1) **Source: SA61248-02**										
Prepared: 27-Apr-07 Analyzed: 30-Apr-07										
Manganese	0.862		mg/l	0.0010	0.500	0.383	96	80-120		
Sodium	11.3	QC1	mg/l	0.250	2.50	9.79	60	80-120		
Antimony	0.418		mg/l	0.0060	0.500	0.0038	83	80-120		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041829 - SW846 3005A										
Post Spike (7041829-PS1) **Source: SA61248-02**										
Prepared: 27-Apr-07 Analyzed: 30-Apr-07										
Selenium	0.481		mg/l	0.0150	0.500	BRL	96	80-120		
Lead	0.502		mg/l	0.0075	0.500	0.0028	100	80-120		
Zinc	0.487		mg/l	0.0150	0.500	0.0126	95	80-120		
Magnesium	7.34	QC1	mg/l	0.0100	0.500	7.31	6	80-120		
Potassium	8.74		mg/l	0.500	5.00	3.97	95	80-120		
Iron	0.884		mg/l	0.0150	0.500	0.450	87	80-120		
Nickel	0.496		mg/l	0.0050	0.500	0.0102	97	80-120		
Thallium	0.477		mg/l	0.0060	0.500	BRL	95	80-120		
Vanadium	0.498		mg/l	0.0050	0.500	BRL	100	80-120		
Aluminum	0.766		mg/l	0.0150	0.500	0.349	83	80-120		
Copper	0.524		mg/l	0.0050	0.500	0.0040	104	80-120		
Chromium	0.493		mg/l	0.0050	0.500	0.0033	98	80-120		
Arsenic	0.487		mg/l	0.0040	0.500	BRL	97	80-120		
Barium	0.542		mg/l	0.0050	0.500	0.0280	103	80-120		
Beryllium	0.504		mg/l	0.0020	0.500	BRL	101	80-120		
Silver	0.437		mg/l	0.0050	0.500	BRL	87	80-120		
Cadmium	0.480		mg/l	0.0025	0.500	BRL	96	80-120		
Calcium	32.9	QM4X	mg/l	0.100	2.50	32.7	8	80-120		
Cobalt	0.495		mg/l	0.0050	0.500	BRL	99	80-120		

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041827 - EPA200/SW7000 Series										
Blank (7041827-BLK1)										
Prepared: 27-Apr-07 Analyzed: 01-May-07										
Mercury	BRL	U	mg/l	0.00020						
LCS (7041827-BS1)										
Prepared: 27-Apr-07 Analyzed: 01-May-07										
Mercury	0.00235		mg/l	0.00020	0.00250		94	85-115		
Duplicate (7041827-DUP1) **Source: SA61248-03**										
Prepared: 27-Apr-07 Analyzed: 01-May-07										
Mercury	BRL	U	mg/l	0.00020		BRL				20
Matrix Spike (7041827-MS1) **Source: SA61248-04**										
Prepared: 27-Apr-07 Analyzed: 01-May-07										
Mercury	0.00257		mg/l	0.00020	0.00250	BRL	103	75-125		
Matrix Spike Dup (7041827-MSD1) **Source: SA61248-04**										
Prepared: 27-Apr-07 Analyzed: 01-May-07										
Mercury	0.00276		mg/l	0.00020	0.00250	BRL	110	75-125	7	20
Post Spike (7041827-PS1) **Source: SA61248-04**										
Prepared: 27-Apr-07 Analyzed: 01-May-07										
Mercury	0.00276		mg/l	0.00020	0.00250	BRL	110	85-115		

Notes and Definitions

FP	Field Preserved
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR4	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
U	Analyte included in the analysis, but not detected
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Christopher Hall

Report Date:
01-May-07 15:14

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: Myrtle Ave - Brooklyn, NY
Project 5762901

Laboratory ID	Client Sample ID	Container	Matrix	Date Sampled	Date Received
SA61247-01	SV-24-042607	Summa canister	Air	26-Apr-07 12:35	27-Apr-07 09:05
SA61247-02	SV-30-042607	Summa canister	Air	26-Apr-07 15:03	27-Apr-07 09:05
SA61247-03	AMB-042607	Summa canister	Air	26-Apr-07 15:36	27-Apr-07 09:05

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 17 pages of analytical data plus Chain of Custody document(s).
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New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-24-042607 SA61247-01	5762901	Air	26-Apr-07 12:35	27-Apr-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 27-Apr-07***							
115-07-1	Propene	BRL	0.500	BRL	0.9	U	EPA TO-15	27-Apr-07	7050035	WB
75-71-8	Dichlorodifluoromethane (Freon12)	1.94	0.500	9.6	2.5			"	"	"
74-87-3	Chloromethane	0.400	0.500	0.8	1.0	J	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500	BRL	3.5	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	0.500	BRL	1.3	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	0.500	BRL	1.1	U	"	"	"	"
74-83-9	Bromomethane	BRL	0.500	BRL	1.9	U	"	"	"	"
75-00-3	Chloroethane	BRL	0.500	BRL	1.3	U	"	"	"	"
67-64-1	Acetone	BRL	0.500	BRL	1.2	U	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	18.9	0.500	106.0	2.8			"	"	"
64-17-5	Ethanol	3.67	0.500	6.9	0.9			"	"	"
75-35-4	1,1-Dichloroethene	BRL	0.500	BRL	2.0	U	"	"	"	"
75-09-2	Methylene chloride	3.32	0.500	11.5	1.7			"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500	BRL	3.8	U	"	"	"	"
75-15-0	Carbon disulfide	52.0	0.500	162.0	1.6			"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	0.500	BRL	2.0	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	0.500	BRL	2.0	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	0.500	BRL	1.8	U	"	"	"	"
67-63-0	Isopropyl alcohol	BRL	0.500	BRL	1.2	U	"	"	"	"
78-93-3	2-Butanone (MEK)	0.780	0.500	2.3	1.5			"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	0.500	BRL	2.0	U	"	"	"	"
110-54-3	Hexane	1.64	0.500	5.8	1.8			"	"	"
141-78-6	Ethyl acetate	BRL	0.500	BRL	1.8	U	"	"	"	"
67-66-3	Chloroform	17.7	0.500	86.1	2.4			"	"	"
109-99-9	Tetrahydrofuran	BRL	0.500	BRL	1.5	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	0.500	BRL	2.0	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	0.730	0.500	4.0	2.7			"	"	"
71-43-2	Benzene	3.18	0.500	10.1	1.6			"	"	"
56-23-5	Carbon tetrachloride	BRL	0.500	BRL	3.2	U	"	"	"	"
110-82-7	Cyclohexane	1.36	0.500	4.7	1.7			"	"	"
78-87-5	1,2-Dichloropropane	BRL	0.500	BRL	2.3	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	0.500	BRL	3.4	U	"	"	"	"
79-01-6	Trichloroethene	0.330	0.500	1.8	2.7	J	"	"	"	"
142-82-5	n-Heptane	0.920	0.500	3.8	2.1			"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	0.500	BRL	2.1	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500	BRL	2.3	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500	BRL	2.3	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	0.500	BRL	2.7	U	"	"	"	"
108-88-3	Toluene	14.5	0.500	54.6	1.9			"	"	"
591-78-6	2-Hexanone (MBK)	BRL	0.500	BRL	2.1	U	"	"	"	"
124-48-1	Dibromochloromethane	BRL	0.500	BRL	4.3	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500	BRL	3.8	U	"	"	"	"
127-18-4	Tetrachloroethene	96.2	0.500	652.0	3.4			"	"	"
108-90-7	Chlorobenzene	BRL	0.500	BRL	2.3	U	"	"	"	"
100-41-4	Ethylbenzene	2.35	0.500	10.2	2.2			"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-24-042607 SA61247-01	5762901	Air	26-Apr-07 12:35	27-Apr-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 27-Apr-07***							
1330-20-7	m,p-Xylene	7.62	1.00	33.0	4.3			27-Apr-07	7050035	WB
75-25-2	Bromoform	BRL	0.500	BRL	5.2	U	"	"	"	"
100-42-5	Styrene	0.750	0.500	3.2	2.1			"	"	"
95-47-6	o-Xylene	2.74	0.500	11.9	2.2			"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500	BRL	3.4	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	1.38	0.500	6.8	2.5			"	"	"
622-96-8	4-Ethyltoluene	0.730	0.500	3.6	2.5			"	"	"
95-63-6	1,2,4-Trimethylbenzene	3.32	0.500	16.3	2.5			"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	0.500	BRL	3.0	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	0.500	BRL	2.6	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	0.500	BRL	3.0	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	0.500	BRL	3.0	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500	BRL	3.7	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	0.500	BRL	5.3	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*103*	*75-125 %*					"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-30-042607 SA61247-02	5762901	Air	26-Apr-07 15:03	27-Apr-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 27-Apr-07***							
115-07-1	Propene	BRL	0.500	BRL	0.9	U	EPA TO-15	28-Apr-07	7050035	WB
75-71-8	Dichlorodifluoromethane (Freon12)	1.38	0.500	6.8	2.5			"	"	"
74-87-3	Chloromethane	0.520	0.500	1.1	1.0			"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	0.390	0.500	2.7	3.5	J	"	"	"	"
75-01-4	Vinyl chloride	BRL	0.500	BRL	1.3	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	0.500	BRL	1.1	U	"	"	"	"
74-83-9	Bromomethane	BRL	0.500	BRL	1.9	U	"	"	"	"
75-00-3	Chloroethane	BRL	0.500	BRL	1.3	U	"	"	"	"
67-64-1	Acetone	21.2	0.500	50.4	1.2			"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	0.570	0.500	3.2	2.8			"	"	"
64-17-5	Ethanol	311	0.500	586.0	0.9	E	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	0.500	BRL	2.0	U	"	"	"	"
75-09-2	Methylene chloride	0.650	0.500	2.3	1.7			"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500	BRL	3.8	U	"	"	"	"
75-15-0	Carbon disulfide	BRL	0.500	BRL	1.6	U	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	0.500	BRL	2.0	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	0.500	BRL	2.0	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	0.500	BRL	1.8	U	"	"	"	"
67-63-0	Isopropyl alcohol	178	0.500	437.0	1.2	E	"	"	"	"
78-93-3	2-Butanone (MEK)	0.630	0.500	1.9	1.5			"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	0.500	BRL	2.0	U	"	"	"	"
110-54-3	Hexane	BRL	0.500	BRL	1.8	U	"	"	"	"
141-78-6	Ethyl acetate	4.06	0.500	14.6	1.8			"	"	"
67-66-3	Chloroform	BRL	0.500	BRL	2.4	U	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	0.500	BRL	1.5	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	0.500	BRL	2.0	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	0.500	BRL	2.7	U	"	"	"	"
71-43-2	Benzene	0.390	0.500	1.2	1.6	J	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	0.500	BRL	3.2	U	"	"	"	"
110-82-7	Cyclohexane	0.330	0.500	1.1	1.7	J	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	0.500	BRL	2.3	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	0.500	BRL	3.4	U	"	"	"	"
79-01-6	Trichloroethene	BRL	0.500	BRL	2.7	U	"	"	"	"
142-82-5	n-Heptane	BRL	0.500	BRL	2.1	U	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	0.570	0.500	2.3	2.1			"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	0.500	BRL	2.3	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	0.500	BRL	2.3	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	0.500	BRL	2.7	U	"	"	"	"
108-88-3	Toluene	4.37	0.500	16.4	1.9			"	"	"
591-78-6	2-Hexanone (MBK)	BRL	0.500	BRL	2.1	U	"	"	"	"
124-48-1	Dibromochloromethane	BRL	0.500	BRL	4.3	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	0.500	BRL	3.8	U	"	"	"	"
127-18-4	Tetrachloroethene	BRL	0.500	BRL	3.4	U	"	"	"	"
108-90-7	Chlorobenzene	BRL	0.500	BRL	2.3	U	"	"	"	"
100-41-4	Ethylbenzene	BRL	0.500	BRL	2.2	U	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-30-042607 SA61247-02	5762901	Air	26-Apr-07 15:03	27-Apr-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 27-Apr-07***							
1330-20-7	m,p-Xylene	0.730	1.00	3.2	4.3	J	EPA TO-15	28-Apr-07	7050035	WB
75-25-2	Bromoform	BRL	0.500	BRL	5.2	U	"	"	"	"
100-42-5	Styrene	BRL	0.500	BRL	2.1	U	"	"	"	"
95-47-6	o-Xylene	0.320	0.500	1.4	2.2	J	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	0.500	BRL	3.4	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	0.500	BRL	2.5	U	"	"	"	"
622-96-8	4-Ethyltoluene	BRL	0.500	BRL	2.5	U	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	0.540	0.500	2.7	2.5			"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	0.500	BRL	3.0	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	0.500	BRL	2.6	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	0.350	0.500	2.1	3.0	J	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	0.500	BRL	3.0	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	0.500	BRL	3.7	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	0.500	BRL	5.3	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*103*	*75-125 %*					"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-30-042607 SA61247-02	5762901	Air	26-Apr-07 15:03	27-Apr-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		*ppbv*	*Prepared 27-Apr-07*			RE				
115-07-1	Propene	BRL	2.50	BRL	4.3	U	EPA TO-15	30-Apr-07	7050050	WB
75-71-8	Dichlorodifluoromethane (Freon12)	BRL	2.50	BRL	12.4	U	"	"	"	"
74-87-3	Chloromethane	BRL	2.50	BRL	5.2	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.50	BRL	17.5	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	2.50	BRL	6.4	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	2.50	BRL	5.5	U	"	"	"	"
74-83-9	Bromomethane	BRL	2.50	BRL	9.7	U	"	"	"	"
75-00-3	Chloroethane	BRL	2.50	BRL	6.6	U	"	"	"	"
67-64-1	Acetone	19.7	2.50	46.8	5.9			"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	2.50	BRL	14.0	U	"	"	"	"
64-17-5	Ethanol	294	2.50	554.0	4.7			"	"	"
75-35-4	1,1-Dichloroethene	BRL	2.50	BRL	9.9	U	"	"	"	"
75-09-2	Methylene chloride	BRL	2.50	BRL	8.7	U	"	"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.50	BRL	19.2	U	"	"	"	"
75-15-0	Carbon disulfide	BRL	2.50	BRL	7.8	U	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	2.50	BRL	9.9	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	2.50	BRL	10.1	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	2.50	BRL	9.0	U	"	"	"	"
67-63-0	Isopropyl alcohol	172	2.50	422.0	6.1			"	"	"
78-93-3	2-Butanone (MEK)	BRL	2.50	BRL	7.4	U	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	2.50	BRL	9.9	U	"	"	"	"
110-54-3	Hexane	BRL	2.50	BRL	8.8	U	"	"	"	"
141-78-6	Ethyl acetate	3.60	2.50	13.0	9.0			"	"	"
67-66-3	Chloroform	BRL	2.50	BRL	12.2	U	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	2.50	BRL	7.4	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	2.50	BRL	10.1	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	2.50	BRL	13.6	U	"	"	"	"
71-43-2	Benzene	BRL	2.50	BRL	8.0	U	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	2.50	BRL	15.7	U	"	"	"	"
110-82-7	Cyclohexane	BRL	2.50	BRL	8.6	U	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	2.50	BRL	11.6	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	2.50	BRL	16.7	U	"	"	"	"
79-01-6	Trichloroethene	BRL	2.50	BRL	13.4	U	"	"	"	"
142-82-5	n-Heptane	BRL	2.50	BRL	10.2	U	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.50	BRL	10.2	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	2.50	BRL	11.3	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	2.50	BRL	11.3	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	2.50	BRL	13.6	U	"	"	"	"
108-88-3	Toluene	4.00	2.50	15.1	9.4			"	"	"
591-78-6	2-Hexanone (MBK)	BRL	2.50	BRL	10.2	U	"	"	"	"
124-48-1	Dibromochloromethane	BRL	2.50	BRL	21.3	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.50	BRL	19.2	U	"	"	"	"
127-18-4	Tetrachloroethene	BRL	2.50	BRL	17.0	U	"	"	"	"
108-90-7	Chlorobenzene	BRL	2.50	BRL	11.5	U	"	"	"	"
100-41-4	Ethylbenzene	BRL	2.50	BRL	10.8	U	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
SV-30-042607 SA61247-02	5762901	Air	26-Apr-07 15:03	27-Apr-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 27-Apr-07***			__RE				
1330-20-7	m,p-Xylene	BRL	5.00	BRL	21.7	U	EPA TO-15	30-Apr-07	7050050	WB
75-25-2	Bromoform	BRL	2.50	BRL	25.8	U	"	"	"	"
100-42-5	Styrene	BRL	2.50	BRL	10.6	U	"	"	"	"
95-47-6	o-Xylene	BRL	2.50	BRL	10.8	U	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.50	BRL	17.2	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	2.50	BRL	12.3	U	"	"	"	"
622-96-8	4-Ethyltoluene	BRL	2.50	BRL	12.3	U	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	2.50	BRL	12.3	U	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	2.50	BRL	15.0	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	2.50	BRL	12.9	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	2.50	BRL	15.0	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	2.50	BRL	15.0	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	2.50	BRL	18.6	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	2.50	BRL	26.7	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*99*	*75-125 %*					"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AMB-042607 SA61247-03	5762901	Air	26-Apr-07 15:36	27-Apr-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 30-Apr-07***							
115-07-1	Propene	BRL	2.50	BRL	4.3	U	EPA TO-15	30-Apr-07	7050050	WB
75-71-8	Dichlorodifluoromethane (Freon12)	1.90	2.50	9.4	12.4	J	"	"	"	"
74-87-3	Chloromethane	BRL	2.50	BRL	5.2	U	"	"	"	"
76-14-2	1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.50	BRL	17.5	U	"	"	"	"
75-01-4	Vinyl chloride	BRL	2.50	BRL	6.4	U	"	"	"	"
106-99-0	1,3-Butadiene	BRL	2.50	BRL	5.5	U	"	"	"	"
74-83-9	Bromomethane	BRL	2.50	BRL	9.7	U	"	"	"	"
75-00-3	Chloroethane	BRL	2.50	BRL	6.6	U	"	"	"	"
67-64-1	Acetone	BRL	2.50	BRL	5.9	U	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11)	BRL	2.50	BRL	14.0	U	"	"	"	"
64-17-5	Ethanol	BRL	2.50	BRL	4.7	U	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	2.50	BRL	9.9	U	"	"	"	"
75-09-2	Methylene chloride	5.70	2.50	19.8	8.7			"	"	"
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.50	BRL	19.2	U	"	"	"	"
75-15-0	Carbon disulfide	64.2	2.50	200.0	7.8			"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	2.50	BRL	9.9	U	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	2.50	BRL	10.1	U	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	2.50	BRL	9.0	U	"	"	"	"
67-63-0	Isopropyl alcohol	BRL	2.50	BRL	6.1	U	"	"	"	"
78-93-3	2-Butanone (MEK)	1.80	2.50	5.3	7.4	J	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	2.50	BRL	9.9	U	"	"	"	"
110-54-3	Hexane	29.8	2.50	105.0	8.8			"	"	"
141-78-6	Ethyl acetate	BRL	2.50	BRL	9.0	U	"	"	"	"
67-66-3	Chloroform	10.8	2.50	52.6	12.2			"	"	"
109-99-9	Tetrahydrofuran	BRL	2.50	BRL	7.4	U	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	2.50	BRL	10.1	U	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	2.50	BRL	13.6	U	"	"	"	"
71-43-2	Benzene	3.90	2.50	12.4	8.0			"	"	"
56-23-5	Carbon tetrachloride	BRL	2.50	BRL	15.7	U	"	"	"	"
110-82-7	Cyclohexane	7.30	2.50	25.1	8.6			"	"	"
78-87-5	1,2-Dichloropropane	BRL	2.50	BRL	11.6	U	"	"	"	"
75-27-4	Bromodichloromethane	BRL	2.50	BRL	16.7	U	"	"	"	"
79-01-6	Trichloroethene	BRL	2.50	BRL	13.4	U	"	"	"	"
142-82-5	n-Heptane	11.2	2.50	45.9	10.2			"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	2.50	BRL	10.2	U	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	2.50	BRL	11.3	U	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	2.50	BRL	11.3	U	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	2.50	BRL	13.6	U	"	"	"	"
108-88-3	Toluene	14.7	2.50	55.3	9.4			"	"	"
591-78-6	2-Hexanone (MBK)	BRL	2.50	BRL	10.2	U	"	"	"	"
124-48-1	Dibromochloromethane	BRL	2.50	BRL	21.3	U	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	2.50	BRL	19.2	U	"	"	"	"
127-18-4	Tetrachloroethene	36.3	2.50	246.0	17.0			"	"	"
108-90-7	Chlorobenzene	BRL	2.50	BRL	11.5	U	"	"	"	"
100-41-4	Ethylbenzene	2.40	2.50	10.4	10.8	J	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
AMB-042607 SA61247-03	5762901	Air	26-Apr-07 15:36	27-Apr-07

CAS No.	*Analyte(s)*	*Result Units*	**RDL*	*Result ug/m³*	**RDL*	*Flag*	*Method Ref.*	*Analyzed*	*Batch*	*Analyst*
Air Quality Analyses										
EPA TO-15		***ppbv***	***Prepared 30-Apr-07***							
1330-20-7	m,p-Xylene	7.25	5.00	31.4	21.7			30-Apr-07	7050050	WB
75-25-2	Bromoform	BRL	2.50	BRL	25.8	U	"	"	"	"
100-42-5	Styrene	BRL	2.50	BRL	10.6	U	"	"	"	"
95-47-6	o-Xylene	2.50	2.50	10.8	10.8			"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	2.50	BRL	17.2	U	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	1.55	2.50	7.6	12.3	J	"	"	"	"
622-96-8	4-Ethyltoluene	BRL	2.50	BRL	12.3	U	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	3.35	2.50	16.5	12.3			"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	2.50	BRL	15.0	U	"	"	"	"
100-44-7	Benzyl chloride	BRL	2.50	BRL	12.9	U	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	2.50	BRL	15.0	U	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	2.50	BRL	15.0	U	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	2.50	BRL	18.6	U	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	2.50	BRL	26.7	U	"	"	"	"
Surrogate recoveries:										
460-00-4	*4-Bromofluorobenzene*	*120*	*75-125 %*					"	"	"

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7050035 - General Air Prep										
Blank (7050035-BLK1)				Prepared & Analyzed: 27-Apr-07						
Propene	BRL	0.500	ppbv							U
Dichlorodifluoromethane (Freon12)	BRL	0.500	ppbv							U
Chloromethane	BRL	0.500	ppbv							U
1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500	ppbv							U
Vinyl chloride	BRL	0.500	ppbv							U
1,3-Butadiene	BRL	0.500	ppbv							U
Bromomethane	BRL	0.500	ppbv							U
Chloroethane	BRL	0.500	ppbv							U
Acetone	BRL	0.500	ppbv							U
Trichlorofluoromethane (Freon 11)	BRL	0.500	ppbv							U
Ethanol	BRL	0.500	ppbv							U
1,1-Dichloroethene	BRL	0.500	ppbv							U
Methylene chloride	BRL	0.500	ppbv							U
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500	ppbv							U
Carbon disulfide	BRL	0.500	ppbv							U
trans-1,2-Dichloroethene	BRL	0.500	ppbv							U
1,1-Dichloroethane	BRL	0.500	ppbv							U
Methyl tert-butyl ether	BRL	0.500	ppbv							U
Isopropyl alcohol	BRL	0.500	ppbv							U
2-Butanone (MEK)	BRL	0.500	ppbv							U
cis-1,2-Dichloroethene	BRL	0.500	ppbv							U
Hexane	BRL	0.500	ppbv							U
Ethyl acetate	BRL	0.500	ppbv							U
Chloroform	BRL	0.500	ppbv							U
Tetrahydrofuran	BRL	0.500	ppbv							U
1,2-Dichloroethane	BRL	0.500	ppbv							U
1,1,1-Trichloroethane	BRL	0.500	ppbv							U
Benzene	BRL	0.500	ppbv							U
Carbon tetrachloride	BRL	0.500	ppbv							U
Cyclohexane	BRL	0.500	ppbv							U
1,2-Dichloropropane	BRL	0.500	ppbv							U
Bromodichloromethane	BRL	0.500	ppbv							U
Trichloroethene	BRL	0.500	ppbv							U
n-Heptane	BRL	0.500	ppbv							U
4-Methyl-2-pentanone (MIBK)	BRL	0.500	ppbv							U
cis-1,3-Dichloropropene	BRL	0.500	ppbv							U
trans-1,3-Dichloropropene	BRL	0.500	ppbv							U
1,1,2-Trichloroethane	BRL	0.500	ppbv							U
Toluene	BRL	0.500	ppbv							U
2-Hexanone (MBK)	BRL	0.500	ppbv							U
Dibromochloromethane	BRL	0.500	ppbv							U
1,2-Dibromoethane (EDB)	BRL	0.500	ppbv							U
Tetrachloroethene	BRL	0.500	ppbv							U
Chlorobenzene	BRL	0.500	ppbv							U
Ethylbenzene	BRL	0.500	ppbv							U
m,p-Xylene	BRL	1.00	ppbv							U
Bromoform	BRL	0.500	ppbv							U
Styrene	BRL	0.500	ppbv							U
o-Xylene	BRL	0.500	ppbv							U
1,1,2,2-Tetrachloroethane	BRL	0.500	ppbv							U
1,3,5-Trimethylbenzene	BRL	0.500	ppbv							U
4-Ethyltoluene	BRL	0.500	ppbv							U
1,2,4-Trimethylbenzene	BRL	0.500	ppbv							U
1,3-Dichlorobenzene	BRL	0.500	ppbv							U

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7050035 - General Air Prep										
Blank (7050035-BLK1)				Prepared & Analyzed: 27-Apr-07						
Benzyl chloride	BRL	0.500	ppbv							U
1,4-Dichlorobenzene	BRL	0.500	ppbv							U
1,2-Dichlorobenzene	BRL	0.500	ppbv							U
1,2,4-Trichlorobenzene	BRL	0.500	ppbv							U
Hexachlorobutadiene	BRL	0.500	ppbv							U
Surrogate: 4-Bromofluorobenzene	*12.5*		ppbv	*12.5*		*100*	*75-125*			
LCS (7050035-BS1)				Prepared & Analyzed: 27-Apr-07						
Propene	8.18		ppbv	10.0		82	70-130			
Dichlorodifluoromethane (Freon12)	8.72		ppbv	10.0		87	70-130			
Chloromethane	7.16		ppbv	10.0		72	70-130			
1,2-Dichlorotetrafluoroethane (Freon 114)	9.01		ppbv	10.0		90	70-130			
Vinyl chloride	9.22		ppbv	10.0		92	70-130			
1,3-Butadiene	10.1		ppbv	10.0		101	70-130			
Bromomethane	10.2		ppbv	10.0		102	70-130			
Chloroethane	11.2		ppbv	10.0		112	70-130			
Acetone	9.15		ppbv	10.0		92	70-130			
Trichlorofluoromethane (Freon 11)	8.90		ppbv	10.0		89	70-130			
Ethanol	14.0		ppbv	10.0		140	70-130			Z-2
1,1-Dichloroethene	9.19		ppbv	10.0		92	70-130			
Methylene chloride	9.03		ppbv	10.0		90	70-130			
1,1,2-Trichlorotrifluoroethane (Freon 113)	8.87		ppbv	10.0		89	70-130			
Carbon disulfide	8.97		ppbv	10.0		90	70-130			
trans-1,2-Dichloroethene	9.24		ppbv	10.0		92	70-130			
1,1-Dichloroethane	9.22		ppbv	10.0		92	70-130			
Methyl tert-butyl ether	9.00		ppbv	10.0		90	70-130			
Isopropyl alcohol	10.6		ppbv	10.0		106	70-130			
2-Butanone (MEK)	8.03		ppbv	10.0		80	70-130			
cis-1,2-Dichloroethene	9.33		ppbv	10.0		93	70-130			
Hexane	9.53		ppbv	10.0		95	70-130			
Ethyl acetate	8.23		ppbv	10.0		82	70-130			
Chloroform	8.99		ppbv	10.0		90	70-130			
Tetrahydrofuran	9.51		ppbv	10.0		95	70-130			
1,2-Dichloroethane	9.12		ppbv	10.0		91	70-130			
1,1,1-Trichloroethane	9.47		ppbv	10.0		95	70-130			
Benzene	9.14		ppbv	10.0		91	70-130			
Carbon tetrachloride	9.07		ppbv	10.0		91	70-130			
Cyclohexane	8.61		ppbv	10.0		86	70-130			
1,2-Dichloropropane	9.58		ppbv	10.0		96	70-130			
Bromodichloromethane	9.62		ppbv	10.0		96	70-130			
Trichloroethene	9.52		ppbv	10.0		95	70-130			
n-Heptane	9.80		ppbv	10.0		98	70-130			
4-Methyl-2-pentanone (MIBK)	9.57		ppbv	10.0		96	70-130			
cis-1,3-Dichloropropene	8.91		ppbv	10.0		89	70-130			
trans-1,3-Dichloropropene	9.83		ppbv	10.0		98	70-130			
1,1,2-Trichloroethane	8.84		ppbv	10.0		88	70-130			
Toluene	8.83		ppbv	10.0		88	70-130			
2-Hexanone (MBK)	10.0		ppbv	10.0		100	70-130			
Dibromochloromethane	9.82		ppbv	10.0		98	70-130			
1,2-Dibromoethane (EDB)	8.74		ppbv	10.0		87	70-130			
Tetrachloroethene	8.48		ppbv	10.0		85	70-130			
Chlorobenzene	8.59		ppbv	10.0		86	70-130			
Ethylbenzene	8.76		ppbv	10.0		88	70-130			
m,p-Xylene	17.8		ppbv	20.0		89	70-130			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7050035 - General Air Prep										
LCS (7050035-BS1)				Prepared & Analyzed: 27-Apr-07						
Bromoform	9.51		ppbv	10.0		95	70-130			
Styrene	10.5		ppbv	10.0		105	70-130			
o-Xylene	9.34		ppbv	10.0		93	70-130			
1,1,2,2-Tetrachloroethane	8.53		ppbv	10.0		85	70-130			
1,3,5-Trimethylbenzene	10.8		ppbv	10.0		108	70-130			
4-Ethyltoluene	8.86		ppbv	10.0		89	70-130			
1,2,4-Trimethylbenzene	8.86		ppbv	10.0		89	70-130			
1,3-Dichlorobenzene	7.87		ppbv	10.0		79	70-130			
Benzyl chloride	8.73		ppbv	10.0		87	70-130			
1,4-Dichlorobenzene	7.96		ppbv	10.0		80	70-130			
1,2-Dichlorobenzene	7.56		ppbv	10.0		76	70-130			
1,2,4-Trichlorobenzene	4.91		ppbv	10.0		49	70-130			QC2
Hexachlorobutadiene	6.36		ppbv	10.0		64	70-130			QC2
Surrogate: 4-Bromofluorobenzene	*13.1*		ppbv	*12.5*		*105*	*75-125*			
Duplicate (7050035-DUP1)		**Source: SA61197-01**		Prepared & Analyzed: 27-Apr-07						
Propene	55.6	2.00	ppbv		55.6			0	30	
Dichlorodifluoromethane (Freon12)	BRL	2.00	ppbv		BRL				30	U
Chloromethane	BRL	2.00	ppbv		BRL				30	U
1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.00	ppbv		BRL				30	U
Vinyl chloride	BRL	2.00	ppbv		BRL				30	U
1,3-Butadiene	BRL	2.00	ppbv		BRL				30	U
Bromomethane	BRL	2.00	ppbv		BRL				30	U
Chloroethane	BRL	2.00	ppbv		BRL				30	U
Acetone	74.5	2.00	ppbv		74.5			0	30	
Trichlorofluoromethane (Freon 11)	BRL	2.00	ppbv		BRL				30	U
Ethanol	761	2.00	ppbv		759			0.3	30	E
1,1-Dichloroethene	BRL	2.00	ppbv		BRL				30	U
Methylene chloride	BRL	2.00	ppbv		BRL				30	U
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.00	ppbv		BRL				30	U
Carbon disulfide	4.16	2.00	ppbv		4.24			2	30	
trans-1,2-Dichloroethene	BRL	2.00	ppbv		BRL				30	U
1,1-Dichloroethane	BRL	2.00	ppbv		BRL				30	U
Methyl tert-butyl ether	BRL	2.00	ppbv		BRL				30	U
Isopropyl alcohol	96.2	2.00	ppbv		97.1			0.9	30	
2-Butanone (MEK)	2.84	2.00	ppbv		2.84			0	30	
cis-1,2-Dichloroethene	BRL	2.00	ppbv		BRL				30	U
Hexane	BRL	2.00	ppbv		BRL				30	U
Ethyl acetate	BRL	2.00	ppbv		BRL				30	U
Chloroform	BRL	2.00	ppbv		BRL				30	U
Tetrahydrofuran	BRL	2.00	ppbv		BRL				30	U
1,2-Dichloroethane	BRL	2.00	ppbv		BRL				30	U
1,1,1-Trichloroethane	BRL	2.00	ppbv		BRL				30	U
Benzene	BRL	2.00	ppbv		BRL				30	U
Carbon tetrachloride	BRL	2.00	ppbv		BRL				30	U
Cyclohexane	BRL	2.00	ppbv		BRL				30	U
1,2-Dichloropropane	BRL	2.00	ppbv		BRL				30	U
Bromodichloromethane	BRL	2.00	ppbv		BRL				30	U
Trichloroethene	BRL	2.00	ppbv		BRL				30	U
n-Heptane	BRL	2.00	ppbv		BRL				30	U
4-Methyl-2-pentanone (MIBK)	BRL	2.00	ppbv		BRL				30	U
cis-1,3-Dichloropropene	BRL	2.00	ppbv		BRL				30	U
trans-1,3-Dichloropropene	BRL	2.00	ppbv		BRL				30	U
1,1,2-Trichloroethane	BRL	2.00	ppbv		BRL				30	U

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7050035 - General Air Prep										
Duplicate (7050035-DUP1)		**Source: SA61197-01**		Prepared & Analyzed: 27-Apr-07						
Toluene	2.84	2.00	ppbv		2.84			0	30	
2-Hexanone (MBK)	BRL	2.00	ppbv		BRL				30	U
Dibromochloromethane	BRL	2.00	ppbv		BRL				30	U
1,2-Dibromoethane (EDB)	BRL	2.00	ppbv		BRL				30	U
Tetrachloroethene	BRL	2.00	ppbv		BRL				30	U
Chlorobenzene	BRL	2.00	ppbv		BRL				30	U
Ethylbenzene	BRL	2.00	ppbv		BRL				30	U
m,p-Xylene	BRL	4.00	ppbv		BRL				30	U
Bromoform	BRL	2.00	ppbv		BRL				30	U
Styrene	BRL	2.00	ppbv		BRL				30	U
o-Xylene	BRL	2.00	ppbv		BRL				30	U
1,1,2,2-Tetrachloroethane	BRL	2.00	ppbv		BRL				30	U
1,3,5-Trimethylbenzene	BRL	2.00	ppbv		BRL				30	U
4-Ethyltoluene	BRL	2.00	ppbv		BRL				30	U
1,2,4-Trimethylbenzene	BRL	2.00	ppbv		BRL				30	U
1,3-Dichlorobenzene	BRL	2.00	ppbv		BRL				30	U
Benzyl chloride	BRL	2.00	ppbv		BRL				30	U
1,4-Dichlorobenzene	BRL	2.00	ppbv		BRL				30	U
1,2-Dichlorobenzene	BRL	2.00	ppbv		BRL				30	U
1,2,4-Trichlorobenzene	BRL	2.00	ppbv		BRL				30	U
Hexachlorobutadiene	BRL	2.00	ppbv		BRL				30	U
Surrogate: 4-Bromofluorobenzene	*12.6*		ppbv	*12.5*		*101*	*75-125*			
Batch 7050050 - General Air Prep										
Blank (7050050-BLK1)				Prepared & Analyzed: 30-Apr-07						
Propene	BRL	0.500	ppbv							U
Dichlorodifluoromethane (Freon12)	BRL	0.500	ppbv							U
Chloromethane	BRL	0.500	ppbv							U
1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	0.500	ppbv							U
Vinyl chloride	BRL	0.500	ppbv							U
1,3-Butadiene	BRL	0.500	ppbv							U
Bromomethane	BRL	0.500	ppbv							U
Chloroethane	BRL	0.500	ppbv							U
Acetone	BRL	0.500	ppbv							U
Trichlorofluoromethane (Freon 11)	BRL	0.500	ppbv							U
Ethanol	BRL	0.500	ppbv							U
1,1-Dichloroethene	BRL	0.500	ppbv							U
Methylene chloride	BRL	0.500	ppbv							U
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	0.500	ppbv							U
Carbon disulfide	BRL	0.500	ppbv							U
trans-1,2-Dichloroethene	BRL	0.500	ppbv							U
1,1-Dichloroethane	BRL	0.500	ppbv							U
Methyl tert-butyl ether	BRL	0.500	ppbv							U
Isopropyl alcohol	BRL	0.500	ppbv							U
2-Butanone (MEK)	BRL	0.500	ppbv							U
cis-1,2-Dichloroethene	BRL	0.500	ppbv							U
Hexane	BRL	0.500	ppbv							U
Ethyl acetate	BRL	0.500	ppbv							U
Chloroform	BRL	0.500	ppbv							U
Tetrahydrofuran	BRL	0.500	ppbv							U
1,2-Dichloroethane	BRL	0.500	ppbv							U
1,1,1-Trichloroethane	BRL	0.500	ppbv							U
Benzene	BRL	0.500	ppbv							U
Carbon tetrachloride	BRL	0.500	ppbv							U

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7050050 - General Air Prep										
Blank (7050050-BLK1)				Prepared & Analyzed: 30-Apr-07						
Cyclohexane	BRL	0.500	ppbv							U
1,2-Dichloropropane	BRL	0.500	ppbv							U
Bromodichloromethane	BRL	0.500	ppbv							U
Trichloroethene	BRL	0.500	ppbv							U
n-Heptane	BRL	0.500	ppbv							U
4-Methyl-2-pentanone (MIBK)	BRL	0.500	ppbv							U
cis-1,3-Dichloropropene	BRL	0.500	ppbv							U
trans-1,3-Dichloropropene	BRL	0.500	ppbv							U
1,1,2-Trichloroethane	BRL	0.500	ppbv							U
Toluene	BRL	0.500	ppbv							U
2-Hexanone (MBK)	BRL	0.500	ppbv							U
Dibromochloromethane	BRL	0.500	ppbv							U
1,2-Dibromoethane (EDB)	BRL	0.500	ppbv							U
Tetrachloroethene	BRL	0.500	ppbv							U
Chlorobenzene	BRL	0.500	ppbv							U
Ethylbenzene	BRL	0.500	ppbv							U
m,p-Xylene	BRL	1.00	ppbv							U
Bromoform	BRL	0.500	ppbv							U
Styrene	BRL	0.500	ppbv							U
o-Xylene	BRL	0.500	ppbv							U
1,1,2,2-Tetrachloroethane	BRL	0.500	ppbv							U
1,3,5-Trimethylbenzene	BRL	0.500	ppbv							U
4-Ethyltoluene	BRL	0.500	ppbv							U
1,2,4-Trimethylbenzene	BRL	0.500	ppbv							U
1,3-Dichlorobenzene	BRL	0.500	ppbv							U
Benzyl chloride	BRL	0.500	ppbv							U
1,4-Dichlorobenzene	BRL	0.500	ppbv							U
1,2-Dichlorobenzene	BRL	0.500	ppbv							U
1,2,4-Trichlorobenzene	BRL	0.500	ppbv							U
Hexachlorobutadiene	BRL	0.500	ppbv							U
Surrogate: 4-Bromofluorobenzene	*12.4*		ppbv	*12.5*		*99*	*75-125*			
LCS (7050050-BS1)				Prepared & Analyzed: 30-Apr-07						
Propene	7.51		ppbv	10.0		75	70-130			
Dichlorodifluoromethane (Freon12)	7.65		ppbv	10.0		76	70-130			
Chloromethane	7.16		ppbv	10.0		72	70-130			
1,2-Dichlorotetrafluoroethane (Freon 114)	8.19		ppbv	10.0		82	70-130			
Vinyl chloride	8.65		ppbv	10.0		86	70-130			
1,3-Butadiene	9.42		ppbv	10.0		94	70-130			
Bromomethane	9.68		ppbv	10.0		97	70-130			
Chloroethane	10.6		ppbv	10.0		106	70-130			
Acetone	8.73		ppbv	10.0		87	70-130			
Trichlorofluoromethane (Freon 11)	7.77		ppbv	10.0		78	70-130			
Ethanol	12.4		ppbv	10.0		124	70-130			
1,1-Dichloroethene	9.03		ppbv	10.0		90	70-130			
Methylene chloride	8.74		ppbv	10.0		87	70-130			
1,1,2-Trichlorotrifluoroethane (Freon 113)	8.31		ppbv	10.0		83	70-130			
Carbon disulfide	8.65		ppbv	10.0		86	70-130			
trans-1,2-Dichloroethene	9.00		ppbv	10.0		90	70-130			
1,1-Dichloroethane	8.54		ppbv	10.0		85	70-130			
Methyl tert-butyl ether	8.74		ppbv	10.0		87	70-130			
Isopropyl alcohol	9.74		ppbv	10.0		97	70-130			
2-Butanone (MEK)	7.65		ppbv	10.0		76	70-130			
cis-1,2-Dichloroethene	9.06		ppbv	10.0		91	70-130			

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7050050 - General Air Prep										
LCS (7050050-BS1)				Prepared & Analyzed: 30-Apr-07						
Hexane	9.11		ppbv	10.0		91	70-130			
Ethyl acetate	7.93		ppbv	10.0		79	70-130			
Chloroform	8.11		ppbv	10.0		81	70-130			
Tetrahydrofuran	9.19		ppbv	10.0		92	70-130			
1,2-Dichloroethane	7.76		ppbv	10.0		78	70-130			
1,1,1-Trichloroethane	8.48		ppbv	10.0		85	70-130			
Benzene	8.86		ppbv	10.0		89	70-130			
Carbon tetrachloride	8.04		ppbv	10.0		80	70-130			
Cyclohexane	8.28		ppbv	10.0		83	70-130			
1,2-Dichloropropane	9.11		ppbv	10.0		91	70-130			
Bromodichloromethane	8.63		ppbv	10.0		86	70-130			
Trichloroethene	8.86		ppbv	10.0		89	70-130			
n-Heptane	9.23		ppbv	10.0		92	70-130			
4-Methyl-2-pentanone (MIBK)	8.52		ppbv	10.0		85	70-130			
cis-1,3-Dichloropropene	8.42		ppbv	10.0		84	70-130			
trans-1,3-Dichloropropene	9.04		ppbv	10.0		90	70-130			
1,1,2-Trichloroethane	8.35		ppbv	10.0		84	70-130			
Toluene	8.54		ppbv	10.0		85	70-130			
2-Hexanone (MBK)	9.24		ppbv	10.0		92	70-130			
Dibromochloromethane	9.19		ppbv	10.0		92	70-130			
1,2-Dibromoethane (EDB)	8.30		ppbv	10.0		83	70-130			
Tetrachloroethene	8.43		ppbv	10.0		84	70-130			
Chlorobenzene	8.92		ppbv	10.0		89	70-130			
Ethylbenzene	8.88		ppbv	10.0		89	70-130			
m,p-Xylene	18.4		ppbv	20.0		92	70-130			
Bromoform	9.61		ppbv	10.0		96	70-130			
Styrene	10.9		ppbv	10.0		109	70-130			
o-Xylene	9.48		ppbv	10.0		95	70-130			
1,1,2,2-Tetrachloroethane	8.37		ppbv	10.0		84	70-130			
1,3,5-Trimethylbenzene	11.0		ppbv	10.0		110	70-130			
4-Ethyltoluene	8.79		ppbv	10.0		88	70-130			
1,2,4-Trimethylbenzene	8.84		ppbv	10.0		88	70-130			
1,3-Dichlorobenzene	7.97		ppbv	10.0		80	70-130			
Benzyl chloride	8.69		ppbv	10.0		87	70-130			
1,4-Dichlorobenzene	8.07		ppbv	10.0		81	70-130			
1,2-Dichlorobenzene	7.63		ppbv	10.0		76	70-130			
1,2,4-Trichlorobenzene	4.88		ppbv	10.0		49	70-130			QC2
Hexachlorobutadiene	6.21		ppbv	10.0		62	70-130			QC2
Surrogate: 4-Bromofluorobenzene	*12.7*		ppbv	*12.5*		*102*	*75-125*			
Duplicate (7050050-DUP1)		**Source: SA61247-03**		Prepared & Analyzed: 30-Apr-07						
Propene	BRL	2.50	ppbv		BRL				30	U
Dichlorodifluoromethane (Freon12)	1.75	2.50	ppbv		1.90			8	30	J
Chloromethane	BRL	2.50	ppbv		BRL				30	U
1,2-Dichlorotetrafluoroethane (Freon 114)	BRL	2.50	ppbv		BRL				30	U
Vinyl chloride	BRL	2.50	ppbv		BRL				30	U
1,3-Butadiene	BRL	2.50	ppbv		BRL				30	U
Bromomethane	BRL	2.50	ppbv		BRL				30	U
Chloroethane	BRL	2.50	ppbv		BRL				30	U
Acetone	BRL	2.50	ppbv		BRL				30	U
Trichlorofluoromethane (Freon 11)	BRL	2.50	ppbv		BRL				30	U
Ethanol	BRL	2.50	ppbv		BRL				30	U
1,1-Dichloroethene	BRL	2.50	ppbv		BRL				30	U
Methylene chloride	5.75	2.50	ppbv		5.70			0.9	30	

Analyte(s)	Result	*RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Batch 7050050 - General Air Prep										
Duplicate (7050050-DUP1)		**Source: SA61247-03**		Prepared & Analyzed: 30-Apr-07						
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	2.50	ppbv		BRL				30	U
Carbon disulfide	64.6	2.50	ppbv		64.2			0.6	30	
trans-1,2-Dichloroethene	BRL	2.50	ppbv		BRL				30	U
1,1-Dichloroethane	BRL	2.50	ppbv		BRL				30	U
Methyl tert-butyl ether	BRL	2.50	ppbv		BRL				30	U
Isopropyl alcohol	BRL	2.50	ppbv		BRL				30	U
2-Butanone (MEK)	1.85	2.50	ppbv		1.80			3	30	J
cis-1,2-Dichloroethene	BRL	2.50	ppbv		BRL				30	U
Hexane	29.0	2.50	ppbv		29.8			3	30	
Ethyl acetate	BRL	2.50	ppbv		BRL				30	U
Chloroform	10.0	2.50	ppbv		10.8			8	30	
Tetrahydrofuran	BRL	2.50	ppbv		BRL				30	U
1,2-Dichloroethane	BRL	2.50	ppbv		BRL				30	U
1,1,1-Trichloroethane	BRL	2.50	ppbv		BRL				30	U
Benzene	3.75	2.50	ppbv		3.90			4	30	
Carbon tetrachloride	BRL	2.50	ppbv		BRL				30	U
Cyclohexane	7.05	2.50	ppbv		7.30			3	30	
1,2-Dichloropropane	BRL	2.50	ppbv		BRL				30	U
Bromodichloromethane	BRL	2.50	ppbv		BRL				30	U
Trichloroethene	BRL	2.50	ppbv		BRL				30	U
n-Heptane	10.9	2.50	ppbv		11.2			3	30	
4-Methyl-2-pentanone (MIBK)	BRL	2.50	ppbv		BRL				30	U
cis-1,3-Dichloropropene	BRL	2.50	ppbv		BRL				30	U
trans-1,3-Dichloropropene	BRL	2.50	ppbv		BRL				30	U
1,1,2-Trichloroethane	BRL	2.50	ppbv		BRL				30	U
Toluene	14.2	2.50	ppbv		14.7			3	30	
2-Hexanone (MBK)	BRL	2.50	ppbv		BRL				30	U
Dibromochloromethane	BRL	2.50	ppbv		BRL				30	U
1,2-Dibromoethane (EDB)	BRL	2.50	ppbv		BRL				30	U
Tetrachloroethene	34.4	2.50	ppbv		36.3			5	30	
Chlorobenzene	BRL	2.50	ppbv		BRL				30	U
Ethylbenzene	2.35	2.50	ppbv		2.40			2	30	J
m,p-Xylene	7.15	5.00	ppbv		7.25			1	30	
Bromoform	BRL	2.50	ppbv		BRL				30	U
Styrene	BRL	2.50	ppbv		BRL				30	U
o-Xylene	2.45	2.50	ppbv		2.50			2	30	J
1,1,2,2-Tetrachloroethane	BRL	2.50	ppbv		BRL				30	U
1,3,5-Trimethylbenzene	1.55	2.50	ppbv		1.55			0	30	J
4-Ethyltoluene	BRL	2.50	ppbv		BRL				30	U
1,2,4-Trimethylbenzene	3.15	2.50	ppbv		3.35			6	30	
1,3-Dichlorobenzene	BRL	2.50	ppbv		BRL				30	U
Benzyl chloride	BRL	2.50	ppbv		BRL				30	U
1,4-Dichlorobenzene	BRL	2.50	ppbv		BRL				30	U
1,2-Dichlorobenzene	BRL	2.50	ppbv		BRL				30	U
1,2,4-Trichlorobenzene	BRL	2.50	ppbv		BRL				30	U
Hexachlorobutadiene	BRL	2.50	ppbv		BRL				30	U
Surrogate: 4-Bromofluorobenzene	*14.4*		ppbv	*12.5*		*115*	*75-125*			

Notes and Definitions

Z-2	Associated sample results may be biased high due to high recovery of analyte in BS.
U	Analyte included in the analysis, but not detected
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
__RE	Reanalysis for data confirmation.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.

Report Date:
30-Apr-07 17:34

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: 166-218 Myrtle Ave - Brooklyn, NY
Project 5762901

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA61162-01	LEG 25-0-4	Soil	25-Apr-07 11:30	26-Apr-07 10:20
SA61162-02	LEG 25-27-30	Soil	25-Apr-07 12:00	26-Apr-07 10:20

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 41 pages of analytical data plus Chain of Custody document(s).
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New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 25-0-4 SA61162-01	5762901	Soil	25-Apr-07 11:30	26-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	7.2	2.9	1	SW 846 8260B	30-Apr-07	30-Apr-07	7041948	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	143	62.7	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	7.2	0.8	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	7.2	0.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	71.5	5.1	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	35.8	0.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	7.2	0.7	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	7.2	0.9	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	14.3	1.6	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	7.2	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	7.2	1.1	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	7.2	1.6	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	7.2	0.7	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	7.2	1.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	7.2	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	7.2	0.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	7.2	0.6	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	7.2	0.7	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	7.2	0.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	7.2	0.9	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	71.5	0.8	1	"	"	"	"	"
75-09-2	Methylene chloride	4.5	O01, J	µg/kg dry	71.5	3.4	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	7.2	1.1	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	7.2	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	7.2	1.1	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	7.2	0.6	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	7.2	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	7.2	0.8	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	7.2	0.7	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	7.2	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	14.3	1.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	7.2	1.3	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*85*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*110*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*				"	"	"	"	"
	VOC Extraction	Lab extracted		N/A			1	VOC	26-Apr-07	26-Apr-07	7041767	YM
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	0.939	J	µg/kg dry	20.7	0.173	1	SW846 8081A	26-Apr-07	29-Apr-07	7041676	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	20.7	0.329	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	20.7	0.337	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	20.7	0.256	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	20.7	0.233	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	103	1.15	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	4.57	J	µg/kg dry	20.7	0.481	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	7.66	J	µg/kg dry	20.7	0.478	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 25-0-4	5762901	Soil	25-Apr-07 11:30	26-Apr-07
SA61162-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
50-29-3	4,4'-DDT (p,p')	25.2		µg/kg dry	20.7	0.441	1	SW846 8081A	26-Apr-07	29-Apr-07	7041676	TG
60-57-1	Dieldrin	2.34	J	µg/kg dry	20.7	0.312	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	20.7	0.845	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	20.7	0.742	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	20.7	0.539	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	20.7	0.705	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	20.7	0.556	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	20.7	0.211	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	20.7	0.313	1	"	"	"	"	"
5103-71-9	a-Chlordane	18.3	J	µg/kg dry	20.7	0.313	1	"	"	"	"	"
5566-34-7	g-Chlordane	11.8	J	µg/kg dry	20.7	0.780	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	20.7	1.39	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*191*	S02	*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	4.13	0.260	1	SW846 8082	26-Apr-07	27-Apr-07	7041675	"
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	4.13	0.260	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	4.13	0.607	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	4.13	0.520	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	4.13	0.621	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	4.13	0.188	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	4.13	0.217	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	4.13	0.0347	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	4.13	0.0166	1	"	"	"	"	"
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*		*30-150 %*				"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	27-Apr-07	29-Apr-07	7041773	MP
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	1020	24.7	10	SW846 8270C	27-Apr-07	29-Apr-07	7041775	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	1020	30.9	10	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	1020	78.6	10	"	"	"	"	"
120-12-7	Anthracene	371	J	µg/kg dry	1020	30.9	10	"	"	"	"	"
56-55-3	Benzo (a) anthracene	1,060		µg/kg dry	1020	65.9	10	"	"	"	"	"
50-32-8	Benzo (a) pyrene	924	J	µg/kg dry	1020	35.0	10	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	747	J	µg/kg dry	1020	136	10	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	429	J	µg/kg dry	1020	28.8	10	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	961	J	µg/kg dry	1020	41.1	10	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	1020	18.6	10	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 25-0-4 SA61162-01	5762901	Soil	25-Apr-07 11:30	26-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	1020	196	10	SW846 8270C	27-Apr-07	29-Apr-07	7041775	M.B
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	1020	118	10	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	1020	37.1	10	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	1020	99.0	10	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	1020	20.6	10	"	"	"	"	"
218-01-9	Chrysene	1,080		µg/kg dry	1020	14.5	10	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	1020	16.4	10	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	1020	12.4	10	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	1020	74.2	10	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	1020	26.9	10	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	1020	33.1	10	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	1020	28.8	10	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	1020	26.9	10	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	1020	64.0	10	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	1020	24.7	10	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	1020	49.5	10	"	"	"	"	"
206-44-0	Fluoranthene	2,240		µg/kg dry	1020	24.7	10	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	1020	24.7	10	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	1020	76.4	10	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	408	J	µg/kg dry	1020	47.3	10	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	1020	61.9	10	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	1020	22.6	10	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	1020	43.3	10	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	1020	24.7	10	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	1020	39.3	10	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	1020	12.4	10	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	1020	35.0	10	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	1020	37.1	10	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	1020	47.3	10	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	4080	53.5	10	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	4080	65.9	10	"	"	"	"	"
85-01-8	Phenanthrene	1,700		µg/kg dry	1020	47.3	10	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	1020	20.6	10	"	"	"	"	"
129-00-0	Pyrene	2,550		µg/kg dry	1020	72.4	10	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	1020	20.6	10	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*40*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*34*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*35*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*32*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*45*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*18*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	1.06	J	mg/kg dry	1.66	0.387	1	SW846 6010B	26-Apr-07	27-Apr-07	7041748	HB
7429-90-5	Aluminum	7,900		mg/kg dry	2.21	1.38	1	"	"	"	"	"
7440-38-2	Arsenic	8.90		mg/kg dry	1.66	0.254	1	"	"	"	"	"
7440-39-3	Barium	645		mg/kg dry	1.11	0.186	1	"	"	"	"	"
7440-41-7	Beryllium	0.337	J	mg/kg dry	0.553	0.123	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 25-0-4 SA61162-01	5762901	Soil	25-Apr-07 11:30	26-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-70-2	Calcium	31,200		mg/kg dry	27.7	4.44	1	SW846 6010B	26-Apr-07	27-Apr-07	7041748	HB
7440-43-9	Cadmium	0.796		mg/kg dry	0.553	0.0188	1	"	"	"	"	"
7440-48-4	Cobalt	5.57		mg/kg dry	1.11	0.0476	1	"	"	"	"	"
7440-47-3	Chromium	22.1		mg/kg dry	1.11	0.320	1	"	"	"	"	"
7440-50-8	Copper	115		mg/kg dry	1.11	0.215	1	"	"	"	"	"
7439-89-6	Iron	15,900		mg/kg dry	2.21	0.556	1	"	"	"	"	"
7439-97-6	Mercury	1.02		mg/kg dry	0.0334	0.0080	1	SW846 7471A	"	30-Apr-07	7041749	BT
7440-09-7	Potassium	1,130		mg/kg dry	55.3	19.4	1	SW846 6010B	"	27-Apr-07	7041748	HB
7439-95-4	Magnesium	9,060		mg/kg dry	27.7	0.819	5	"	"	27-Apr-07	"	"
7439-96-5	Manganese	214		mg/kg dry	1.11	0.310	1	"	"	27-Apr-07	"	"
7440-23-5	Sodium	468		mg/kg dry	27.7	6.43	1	"	"	"	"	"
7440-02-0	Nickel	25.5		mg/kg dry	1.11	0.108	1	"	"	"	"	"
7439-92-1	Lead	1,740		mg/kg dry	1.66	0.173	1	"	"	"	"	"
7440-36-0	Antimony	0.697	J	mg/kg dry	3.32	0.404	1	"	"	"	"	"
7782-49-2	Selenium	0.614	J	mg/kg dry	1.66	0.357	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	3.32	0.519	1	"	"	"	"	"
7440-62-2	Vanadium	29.0		mg/kg dry	1.66	0.821	1	"	"	"	"	"
7440-66-6	Zinc	666		mg/kg dry	1.11	0.404	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	89.0		%			1	SM2540 G Mod.	28-Apr-07	28-Apr-07	7041875	YM
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.07	0.671	1	10-204-00-1-A / SW846 9012A	27-Apr-07	27-Apr-07	7041787	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 25-27-30 SA61162-02	5762901	Soil	25-Apr-07 12:00	26-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	8.0	3.3	1	SW 846 8260B	30-Apr-07	30-Apr-07	7041948	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	160	70.0	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	8.0	0.9	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	8.0	0.7	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	79.9	5.7	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	39.9	0.7	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	8.0	0.8	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	8.0	1.0	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	16.0	1.8	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	8.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	8.0	1.2	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	8.0	1.8	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	8.0	0.8	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	8.0	1.1	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	8.0	0.6	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	8.0	0.7	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	8.0	0.6	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	8.0	0.8	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	8.0	0.7	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	8.0	1.0	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	79.9	0.9	1	"	"	"	"	"
75-09-2	Methylene chloride	7.6	O01, J	µg/kg dry	79.9	3.8	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	8.0	1.3	1	"	"	"	"	"
127-18-4	Tetrachloroethene	5.5	J	µg/kg dry	8.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	8.0	1.3	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	8.0	0.6	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	8.0	1.0	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	8.0	0.9	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	8.0	0.8	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	8.0	1.0	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	16.0	1.8	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	8.0	1.4	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*95*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*103*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*111*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*				"	"	"	"	"
	VOC Extraction	Lab extracted		N/A			1	VOC	26-Apr-07	26-Apr-07	7041767	YM
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	19.4	0.162	1	SW846 8081A	26-Apr-07	29-Apr-07	7041676	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	19.4	0.309	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	19.4	0.315	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	19.4	0.240	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	19.4	0.218	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	96.8	1.08	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	19.4	0.451	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	19.4	0.448	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 25-27-30 SA61162-02	5762901	Soil	25-Apr-07 12:00	26-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	19.4	0.413	1	SW846 8081A	26-Apr-07	29-Apr-07	7041676	TG
60-57-1	Dieldrin	BRL	U	µg/kg dry	19.4	0.292	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	19.4	0.792	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	19.4	0.696	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	19.4	0.505	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	19.4	0.661	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	19.4	0.521	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	19.4	0.198	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	19.4	0.294	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	19.4	0.294	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	19.4	0.731	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	19.4	1.30	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*62*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*103*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	3.87	0.244	1	SW846 8082	26-Apr-07	27-Apr-07	7041675	"
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	3.87	0.244	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	3.87	0.569	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	3.87	0.487	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	3.87	0.582	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	3.87	0.176	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	3.87	0.203	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	3.87	0.0325	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	3.87	0.0156	1	"	"	"	"	"
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*		*30-150 %*				"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	27-Apr-07	29-Apr-07	7041773	MP
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*49*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	204	4.94	1	SW846 8270C	27-Apr-07	29-Apr-07	7041775	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	204	6.17	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	204	15.7	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/kg dry	204	6.17	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/kg dry	204	13.1	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/kg dry	204	6.97	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/kg dry	204	27.2	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/kg dry	204	5.74	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/kg dry	204	8.21	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	204	3.70	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 25-27-30 SA61162-02	5762901	Soil	25-Apr-07 12:00	26-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	204	39.1	1	SW846 8270C	27-Apr-07	29-Apr-07	7041775	M.B
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	204	23.4	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	204	7.41	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	204	19.7	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	204	4.12	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/kg dry	204	2.90	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	204	3.27	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	204	2.47	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	204	14.8	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	204	5.37	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	204	6.60	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	204	5.74	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	204	5.37	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	204	12.8	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	204	4.94	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	204	9.87	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/kg dry	204	4.94	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	204	4.94	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	204	15.2	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	204	9.44	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	204	12.3	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	204	4.50	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	204	8.64	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	204	4.94	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	204	7.84	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	204	2.47	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	204	6.97	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	204	7.41	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	204	9.44	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	815	10.7	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	815	13.1	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/kg dry	204	9.44	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	204	4.12	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/kg dry	204	14.4	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	204	4.12	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*71*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*72*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*64*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*71*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*79*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*66*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	0.498	J	mg/kg dry	1.49	0.349	1	SW846 6010B	26-Apr-07	27-Apr-07	7041748	HB
7429-90-5	Aluminum	5,360		mg/kg dry	1.99	1.24	1	"	"	"	"	"
7440-38-2	Arsenic	2.10		mg/kg dry	1.49	0.229	1	"	"	"	"	"
7440-39-3	Barium	45.5		mg/kg dry	0.996	0.167	1	"	"	"	"	"
7440-41-7	Beryllium	0.239	J	mg/kg dry	0.498	0.111	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 25-27-30 SA61162-02	5762901	Soil	25-Apr-07 12:00	26-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-70-2	Calcium	2,740		mg/kg dry	24.9	3.99	1	SW846 6010B	26-Apr-07	27-Apr-07	7041748	HB
7440-43-9	Cadmium	0.0448	J	mg/kg dry	0.498	0.0169	1	"	"	"	"	"
7440-48-4	Cobalt	8.10		mg/kg dry	0.996	0.0428	1	"	"	"	"	"
7440-47-3	Chromium	25.4		mg/kg dry	0.996	0.288	1	"	"	"	"	"
7440-50-8	Copper	16.0		mg/kg dry	0.996	0.193	1	"	"	"	"	"
7439-89-6	Iron	11,200		mg/kg dry	1.99	0.501	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/kg dry	0.0332	0.0079	1	SW846 7471A	"	30-Apr-07	7041749	BT
7440-09-7	Potassium	1,390		mg/kg dry	49.8	17.4	1	SW846 6010B	"	27-Apr-07	7041748	HB
7439-95-4	Magnesium	15,100		mg/kg dry	49.8	1.47	10	"	"	27-Apr-07	"	"
7439-96-5	Manganese	189		mg/kg dry	0.996	0.279	1	"	"	27-Apr-07	"	"
7440-23-5	Sodium	660		mg/kg dry	24.9	5.79	1	"	"	"	"	"
7440-02-0	Nickel	122		mg/kg dry	0.996	0.0976	1	"	"	"	"	"
7439-92-1	Lead	7.76		mg/kg dry	1.49	0.155	1	"	"	"	"	"
7440-36-0	Antimony	0.582	J	mg/kg dry	2.99	0.363	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.49	0.322	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	2.99	0.467	1	"	"	"	"	"
7440-62-2	Vanadium	16.1		mg/kg dry	1.49	0.739	1	"	"	"	"	"
7440-66-6	Zinc	18.6		mg/kg dry	0.996	0.363	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	88.5		%			1	SM2540 G Mod.	28-Apr-07	28-Apr-07	7041875	YM
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.12	0.707	1	10-204-00-1-A / SW846 9012A	27-Apr-07	27-Apr-07	7041787	rth

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041838 - SW846 5030 Soil (high level)										
Blank (7041838-BLK1)										
Prepared & Analyzed: 27-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/kg wet	1.0						
Acetone	BRL	U	µg/kg wet	20.0						
Acrylonitrile	BRL	U	µg/kg wet	1.0						
Benzene	BRL	U	µg/kg wet	1.0						
Bromobenzene	BRL	U	µg/kg wet	1.0						
Bromochloromethane	BRL	U	µg/kg wet	1.0						
Bromodichloromethane	BRL	U	µg/kg wet	1.0						
Bromoform	BRL	U	µg/kg wet	1.0						
Bromomethane	BRL	U	µg/kg wet	2.0						
2-Butanone (MEK)	BRL	U	µg/kg wet	10.0						
n-Butylbenzene	BRL	U	µg/kg wet	1.0						
sec-Butylbenzene	BRL	U	µg/kg wet	1.0						
tert-Butylbenzene	BRL	U	µg/kg wet	1.0						
Carbon disulfide	BRL	U	µg/kg wet	5.0						
Carbon tetrachloride	BRL	U	µg/kg wet	1.0						
Chlorobenzene	BRL	U	µg/kg wet	1.0						
Chloroethane	BRL	U	µg/kg wet	2.0						
Chloroform	BRL	U	µg/kg wet	1.0						
Chloromethane	BRL	U	µg/kg wet	2.0						
2-Chlorotoluene	BRL	U	µg/kg wet	1.0						
4-Chlorotoluene	BRL	U	µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/kg wet	2.0						
Dibromochloromethane	BRL	U	µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/kg wet	1.0						
Dibromomethane	BRL	U	µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/kg wet	2.0						
1,1-Dichloroethane	BRL	U	µg/kg wet	1.0						
1,2-Dichloroethane	BRL	U	µg/kg wet	1.0						
1,1-Dichloroethene	BRL	U	µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/kg wet	1.0						
1,2-Dichloropropane	BRL	U	µg/kg wet	1.0						
1,3-Dichloropropane	BRL	U	µg/kg wet	1.0						
2,2-Dichloropropane	BRL	U	µg/kg wet	1.0						
1,1-Dichloropropene	BRL	U	µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL	U	µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL	U	µg/kg wet	1.0						
Ethylbenzene	BRL	U	µg/kg wet	1.0						
Hexachlorobutadiene	BRL	U	µg/kg wet	1.0						
2-Hexanone (MBK)	BRL	U	µg/kg wet	10.0						
Isopropylbenzene	BRL	U	µg/kg wet	1.0						
4-Isopropyltoluene	BRL	U	µg/kg wet	1.0						
Methyl tert-butyl ether	BRL	U	µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg wet	10.0						
Methylene chloride	BRL	U	µg/kg wet	10.0						
Naphthalene	BRL	U	µg/kg wet	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041838 - SW846 5030 Soil (high level)										
Blank (7041838-BLK1)										
Prepared & Analyzed: 27-Apr-07										
n-Propylbenzene	BRL	U	µg/kg wet	1.0						
Styrene	BRL	U	µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/kg wet	1.0						
Tetrachloroethene	BRL	U	µg/kg wet	1.0						
Toluene	BRL	U	µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL	U	µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL	U	µg/kg wet	1.0						
Trichloroethene	BRL	U	µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL	U	µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/kg wet	1.0						
Vinyl chloride	BRL	U	µg/kg wet	1.0						
m,p-Xylene	BRL	U	µg/kg wet	2.0						
o-Xylene	BRL	U	µg/kg wet	1.0						
Tetrahydrofuran	BRL	U	µg/kg wet	10.0						
Ethyl ether	BRL	U	µg/kg wet	1.0						
Tert-amyl methyl ether	BRL	U	µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL	U	µg/kg wet	1.0						
Di-isopropyl ether	BRL	U	µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/kg wet	10.0						
1,4-Dioxane	BRL	U	µg/kg wet	20.0						
Surrogate: 4-Bromofluorobenzene	*28.6*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*29.2*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*23.8*		µg/kg wet		*30.0*		*79*	*70-130*		
Surrogate: Dibromofluoromethane	*26.3*		µg/kg wet		*30.0*		*88*	*70-130*		
LCS (7041838-BS1)										
Prepared & Analyzed: 27-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.1		µg/kg wet		20.0		116	70-130		
Acetone	26.4		µg/kg wet		20.0		132	1.77-175		
Acrylonitrile	20.3		µg/kg wet		20.0		102	70-130		
Benzene	21.0		µg/kg wet		20.0		105	70-130		
Bromobenzene	21.4		µg/kg wet		20.0		107	70-130		
Bromochloromethane	20.8		µg/kg wet		20.0		104	70-130		
Bromodichloromethane	19.5		µg/kg wet		20.0		98	70-130		
Bromoform	18.6		µg/kg wet		20.0		93	70-130		
Bromomethane	23.1		µg/kg wet		20.0		116	55.3-136		
2-Butanone (MEK)	14.2		µg/kg wet		20.0		71	38.8-142		
n-Butylbenzene	17.9		µg/kg wet		20.0		90	70-130		
sec-Butylbenzene	19.3		µg/kg wet		20.0		96	70-130		
tert-Butylbenzene	19.4		µg/kg wet		20.0		97	70-130		
Carbon disulfide	19.8		µg/kg wet		20.0		99	70-130		
Carbon tetrachloride	17.3		µg/kg wet		20.0		86	70-130		
Chlorobenzene	21.5		µg/kg wet		20.0		108	70-130		
Chloroethane	22.4		µg/kg wet		20.0		112	55.3-130		
Chloroform	18.4		µg/kg wet		20.0		92	70-130		
Chloromethane	29.6	QC1	µg/kg wet		20.0		148	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041838 - SW846 5030 Soil (high level)										
LCS (7041838-BS1)										
Prepared & Analyzed: 27-Apr-07										
2-Chlorotoluene	21.7		µg/kg wet		20.0		108	70-130		
4-Chlorotoluene	19.5		µg/kg wet		20.0		98	70-130		
1,2-Dibromo-3-chloropropane	18.3		µg/kg wet		20.0		92	70-130		
Dibromochloromethane	19.1		µg/kg wet		20.0		96	64.7-139		
1,2-Dibromoethane (EDB)	21.9		µg/kg wet		20.0		110	70-130		
Dibromomethane	18.7		µg/kg wet		20.0		94	70-130		
1,2-Dichlorobenzene	23.0		µg/kg wet		20.0		115	70-130		
1,3-Dichlorobenzene	21.0		µg/kg wet		20.0		105	70-130		
1,4-Dichlorobenzene	23.6		µg/kg wet		20.0		118	70-130		
Dichlorodifluoromethane (Freon12)	21.2		µg/kg wet		20.0		106	34.4-167		
1,1-Dichloroethane	19.5		µg/kg wet		20.0		98	70-130		
1,2-Dichloroethane	17.0		µg/kg wet		20.0		85	70-130		
1,1-Dichloroethene	20.4		µg/kg wet		20.0		102	70-130		
cis-1,2-Dichloroethene	21.1		µg/kg wet		20.0		106	70-130		
trans-1,2-Dichloroethene	21.0		µg/kg wet		20.0		105	70-130		
1,2-Dichloropropane	21.6		µg/kg wet		20.0		108	70-130		
1,3-Dichloropropane	21.7		µg/kg wet		20.0		108	70-130		
2,2-Dichloropropane	17.6		µg/kg wet		20.0		88	70-130		
1,1-Dichloropropene	20.9		µg/kg wet		20.0		104	70-130		
cis-1,3-Dichloropropene	20.6		µg/kg wet		20.0		103	70-130		
trans-1,3-Dichloropropene	20.1		µg/kg wet		20.0		100	70-130		
Ethylbenzene	20.6		µg/kg wet		20.0		103	70-130		
Hexachlorobutadiene	19.2		µg/kg wet		20.0		96	60.7-140		
2-Hexanone (MBK)	25.0		µg/kg wet		20.0		125	70-130		
Isopropylbenzene	21.2		µg/kg wet		20.0		106	70-130		
4-Isopropyltoluene	18.8		µg/kg wet		20.0		94	70-130		
Methyl tert-butyl ether	19.1		µg/kg wet		20.0		96	70-130		
4-Methyl-2-pentanone (MIBK)	20.6		µg/kg wet		20.0		103	46.1-145		
Methylene chloride	21.8		µg/kg wet		20.0		109	70-130		
Naphthalene	25.7		µg/kg wet		20.0		128	70-130		
n-Propylbenzene	18.0		µg/kg wet		20.0		90	70-130		
Styrene	21.4		µg/kg wet		20.0		107	70-130		
1,1,1,2-Tetrachloroethane	21.2		µg/kg wet		20.0		106	70-130		
1,1,2,2-Tetrachloroethane	22.5		µg/kg wet		20.0		112	70-130		
Tetrachloroethene	22.5		µg/kg wet		20.0		112	70-130		
Toluene	21.9		µg/kg wet		20.0		110	70-130		
1,2,3-Trichlorobenzene	23.6		µg/kg wet		20.0		118	70-130		
1,2,4-Trichlorobenzene	23.6		µg/kg wet		20.0		118	70-130		
1,1,1-Trichloroethane	18.6		µg/kg wet		20.0		93	70-130		
1,1,2-Trichloroethane	21.5		µg/kg wet		20.0		108	70-130		
Trichloroethene	20.0		µg/kg wet		20.0		100	70-130		
Trichlorofluoromethane (Freon 11)	17.7		µg/kg wet		20.0		88	56.8-140		
1,2,3-Trichloropropane	22.8		µg/kg wet		20.0		114	70-130		
1,2,4-Trimethylbenzene	16.4		µg/kg wet		20.0		82	70-130		
1,3,5-Trimethylbenzene	14.7		µg/kg wet		20.0		74	70-130		
Vinyl chloride	20.3		µg/kg wet		20.0		102	70-130		
m,p-Xylene	42.2		µg/kg wet		40.0		106	70-130		
o-Xylene	20.9		µg/kg wet		20.0		104	70-130		
Tetrahydrofuran	19.2		µg/kg wet		20.0		96	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041838 - SW846 5030 Soil (high level)										
LCS (7041838-BS1)										
Prepared & Analyzed: 27-Apr-07										
Ethyl ether	20.5		µg/kg wet		20.0		102	65.3-130		
Tert-amyl methyl ether	20.0		µg/kg wet		20.0		100	70-130		
Ethyl tert-butyl ether	19.8		µg/kg wet		20.0		99	70-130		
Di-isopropyl ether	19.1		µg/kg wet		20.0		96	70-130		
Tert-Butanol / butyl alcohol	236		µg/kg wet		200		118	70-130		
1,4-Dioxane	157		µg/kg wet		200		78	34-155		
Surrogate: 4-Bromofluorobenzene	*28.0*		µg/kg wet		*30.0*		*93*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*24.2*		µg/kg wet		*30.0*		*81*	*70-130*		
Surrogate: Dibromofluoromethane	*26.8*		µg/kg wet		*30.0*		*89*	*70-130*		
LCS Dup (7041838-BSD1)										
Prepared & Analyzed: 27-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.8		µg/kg wet		20.0		119	70-130	3	25
Acetone	22.1		µg/kg wet		20.0		110	1.77-175	18	50
Acrylonitrile	19.2		µg/kg wet		20.0		96	70-130	6	25
Benzene	21.1		µg/kg wet		20.0		106	70-130	0.9	25
Bromobenzene	22.5		µg/kg wet		20.0		112	70-130	5	25
Bromochloromethane	20.6		µg/kg wet		20.0		103	70-130	1	25
Bromodichloromethane	18.7		µg/kg wet		20.0		94	70-130	4	25
Bromoform	18.5		µg/kg wet		20.0		92	70-130	1	25
Bromomethane	20.9		µg/kg wet		20.0		104	55.3-136	11	50
2-Butanone (MEK)	12.8		µg/kg wet		20.0		64	38.8-142	10	50
n-Butylbenzene	18.2		µg/kg wet		20.0		91	70-130	1	25
sec-Butylbenzene	20.4		µg/kg wet		20.0		102	70-130	6	25
tert-Butylbenzene	20.5		µg/kg wet		20.0		102	70-130	5	25
Carbon disulfide	23.7		µg/kg wet		20.0		118	70-130	18	25
Carbon tetrachloride	17.4		µg/kg wet		20.0		87	70-130	1	25
Chlorobenzene	22.5		µg/kg wet		20.0		112	70-130	4	25
Chloroethane	23.0		µg/kg wet		20.0		115	55.3-130	3	50
Chloroform	18.6		µg/kg wet		20.0		93	70-130	1	25
Chloromethane	25.7		µg/kg wet		20.0		128	70-130	14	25
2-Chlorotoluene	23.6		µg/kg wet		20.0		118	70-130	9	25
4-Chlorotoluene	20.8		µg/kg wet		20.0		104	70-130	6	25
1,2-Dibromo-3-chloropropane	17.4		µg/kg wet		20.0		87	70-130	6	25
Dibromochloromethane	17.7		µg/kg wet		20.0		88	64.7-139	9	50
1,2-Dibromoethane (EDB)	19.7		µg/kg wet		20.0		98	70-130	12	25
Dibromomethane	18.3		µg/kg wet		20.0		92	70-130	2	25
1,2-Dichlorobenzene	23.0		µg/kg wet		20.0		115	70-130	0	25
1,3-Dichlorobenzene	22.3		µg/kg wet		20.0		112	70-130	6	25
1,4-Dichlorobenzene	22.9		µg/kg wet		20.0		114	70-130	3	25
Dichlorodifluoromethane (Freon12)	18.7		µg/kg wet		20.0		94	34.4-167	12	50
1,1-Dichloroethane	20.2		µg/kg wet		20.0		101	70-130	3	25
1,2-Dichloroethane	17.3		µg/kg wet		20.0		86	70-130	1	25
1,1-Dichloroethene	21.3		µg/kg wet		20.0		106	70-130	4	25
cis-1,2-Dichloroethene	22.2		µg/kg wet		20.0		111	70-130	5	25
trans-1,2-Dichloroethene	21.2		µg/kg wet		20.0		106	70-130	0.9	25
1,2-Dichloropropane	21.5		µg/kg wet		20.0		108	70-130	0	25
1,3-Dichloropropane	20.2		µg/kg wet		20.0		101	70-130	7	25
2,2-Dichloropropane	17.9		µg/kg wet		20.0		90	70-130	2	25
1,1-Dichloropropene	20.9		µg/kg wet		20.0		104	70-130	0	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041838 - SW846 5030 Soil (high level)										
LCS Dup (7041838-BSD1)										
Prepared & Analyzed: 27-Apr-07										
cis-1,3-Dichloropropene	20.0		µg/kg wet		20.0		100	70-130	3	25
trans-1,3-Dichloropropene	18.7		µg/kg wet		20.0		94	70-130	6	25
Ethylbenzene	21.5		µg/kg wet		20.0		108	70-130	5	25
Hexachlorobutadiene	19.2		µg/kg wet		20.0		96	60.7-140	0	50
2-Hexanone (MBK)	22.5		µg/kg wet		20.0		112	70-130	11	25
Isopropylbenzene	22.2		µg/kg wet		20.0		111	70-130	5	25
4-Isopropyltoluene	19.1		µg/kg wet		20.0		96	70-130	2	25
Methyl tert-butyl ether	19.3		µg/kg wet		20.0		96	70-130	0	25
4-Methyl-2-pentanone (MIBK)	18.6		µg/kg wet		20.0		93	46.1-145	10	50
Methylene chloride	21.1		µg/kg wet		20.0		106	70-130	3	25
Naphthalene	22.5		µg/kg wet		20.0		112	70-130	13	25
n-Propylbenzene	16.9		µg/kg wet		20.0		84	70-130	7	25
Styrene	23.0		µg/kg wet		20.0		115	70-130	7	25
1,1,1,2-Tetrachloroethane	21.8		µg/kg wet		20.0		109	70-130	3	25
1,1,2,2-Tetrachloroethane	22.3		µg/kg wet		20.0		112	70-130	0	25
Tetrachloroethene	21.7		µg/kg wet		20.0		108	70-130	4	25
Toluene	21.4		µg/kg wet		20.0		107	70-130	3	25
1,2,3-Trichlorobenzene	22.1		µg/kg wet		20.0		110	70-130	7	25
1,2,4-Trichlorobenzene	22.0		µg/kg wet		20.0		110	70-130	7	25
1,1,1-Trichloroethane	19.0		µg/kg wet		20.0		95	70-130	2	25
1,1,2-Trichloroethane	20.7		µg/kg wet		20.0		104	70-130	4	25
Trichloroethene	19.9		µg/kg wet		20.0		100	70-130	0	25
Trichlorofluoromethane (Freon 11)	18.0		µg/kg wet		20.0		90	56.8-140	2	50
1,2,3-Trichloropropane	22.4		µg/kg wet		20.0		112	70-130	2	25
1,2,4-Trimethylbenzene	17.2		µg/kg wet		20.0		86	70-130	5	25
1,3,5-Trimethylbenzene	15.6		µg/kg wet		20.0		78	70-130	5	25
Vinyl chloride	19.4		µg/kg wet		20.0		97	70-130	5	25
m,p-Xylene	43.9		µg/kg wet		40.0		110	70-130	4	25
o-Xylene	22.0		µg/kg wet		20.0		110	70-130	6	25
Tetrahydrofuran	18.3		µg/kg wet		20.0		92	70-130	4	25
Ethyl ether	20.8		µg/kg wet		20.0		104	65.3-130	2	50
Tert-amyl methyl ether	19.4		µg/kg wet		20.0		97	70-130	3	25
Ethyl tert-butyl ether	19.7		µg/kg wet		20.0		98	70-130	1	25
Di-isopropyl ether	19.0		µg/kg wet		20.0		95	70-130	1	25
Tert-Butanol / butyl alcohol	172	QR2	µg/kg wet		200		86	70-130	31	25
1,4-Dioxane	175		µg/kg wet		200		88	34-155	12	25
Surrogate: 4-Bromofluorobenzene	*29.0*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*28.7*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*24.3*		µg/kg wet		*30.0*		*81*	*70-130*		
Surrogate: Dibromofluoromethane	*26.6*		µg/kg wet		*30.0*		*89*	*70-130*		
Matrix Spike (7041838-MS1) **Source: SA61019-03**										
Prepared: 27-Apr-07 Analyzed: 28-Apr-07										
Benzene	15.5		µg/kg dry		20.0	BRL	78	70-130		
Chlorobenzene	19.1		µg/kg dry		20.0	BRL	96	70-130		
1,1-Dichloroethene	10.1	QM7	µg/kg dry		20.0	BRL	50	70-130		
Toluene	11.1	QM7	µg/kg dry		20.0	BRL	56	70-130		
Trichloroethene	14.3		µg/kg dry		20.0	BRL	72	70-130		
Surrogate: 4-Bromofluorobenzene	*28.8*		µg/kg dry		*30.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*30.4*		µg/kg dry		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*24.3*		µg/kg dry		*30.0*		*81*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041838 - SW846 5030 Soil (high level)										
Matrix Spike (7041838-MS1) **Source: SA61019-03**										
Prepared: 27-Apr-07 Analyzed: 28-Apr-07										
Surrogate: Dibromofluoromethane	*26.6*		µg/kg dry		*30.0*		*89*	*70-130*		
Matrix Spike Dup (7041838-MSD1) **Source: SA61019-03**										
Prepared: 27-Apr-07 Analyzed: 28-Apr-07										
Benzene	16.0		µg/kg dry		20.0	BRL	80	70-130	3	30
Chlorobenzene	20.1		µg/kg dry		20.0	BRL	100	70-130	4	30
1,1-Dichloroethene	11.0	QM7	µg/kg dry		20.0	BRL	55	70-130	10	30
Toluene	12.3	QM7	µg/kg dry		20.0	BRL	62	70-130	10	30
Trichloroethene	15.1		µg/kg dry		20.0	BRL	76	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*27.7*		µg/kg dry		*30.0*		*92*	*70-130*		
Surrogate: Toluene-d8	*29.2*		µg/kg dry		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*22.7*		µg/kg dry		*30.0*		*76*	*70-130*		
Surrogate: Dibromofluoromethane	*25.5*		µg/kg dry		*30.0*		*85*	*70-130*		
Batch 7041948 - SW846 5035A Soil (low level)										
Blank (7041948-BLK1)										
Prepared & Analyzed: 30-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/kg wet	5.0						
Acetone	BRL	U	µg/kg wet	100						
Acrylonitrile	BRL	U	µg/kg wet	5.0						
Benzene	BRL	U	µg/kg wet	5.0						
Bromobenzene	BRL	U	µg/kg wet	5.0						
Bromochloromethane	BRL	U	µg/kg wet	5.0						
Bromodichloromethane	BRL	U	µg/kg wet	5.0						
Bromoform	BRL	U	µg/kg wet	5.0						
Bromomethane	BRL	U	µg/kg wet	10.0						
2-Butanone (MEK)	BRL	U	µg/kg wet	50.0						
n-Butylbenzene	BRL	U	µg/kg wet	5.0						
sec-Butylbenzene	BRL	U	µg/kg wet	5.0						
tert-Butylbenzene	BRL	U	µg/kg wet	5.0						
Carbon disulfide	BRL	U	µg/kg wet	25.0						
Carbon tetrachloride	BRL	U	µg/kg wet	5.0						
Chlorobenzene	BRL	U	µg/kg wet	5.0						
Chloroethane	BRL	U	µg/kg wet	10.0						
Chloroform	BRL	U	µg/kg wet	5.0						
Chloromethane	BRL	U	µg/kg wet	10.0						
2-Chlorotoluene	BRL	U	µg/kg wet	5.0						
4-Chlorotoluene	BRL	U	µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/kg wet	10.0						
Dibromochloromethane	BRL	U	µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/kg wet	5.0						
Dibromomethane	BRL	U	µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/kg wet	10.0						
1,1-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,2-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,1-Dichloroethene	BRL	U	µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041948 - SW846 5035A Soil (low level)										
Blank (7041948-BLK1)										
Prepared & Analyzed: 30-Apr-07										
1,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,3-Dichloropropane	BRL	U	µg/kg wet	5.0						
2,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,1-Dichloropropene	BRL	U	µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
Ethylbenzene	BRL	U	µg/kg wet	5.0						
Hexachlorobutadiene	BRL	U	µg/kg wet	5.0						
2-Hexanone (MBK)	BRL	U	µg/kg wet	50.0						
Isopropylbenzene	BRL	U	µg/kg wet	5.0						
4-Isopropyltoluene	BRL	U	µg/kg wet	5.0						
Methyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg wet	50.0						
Methylene chloride	BRL	U	µg/kg wet	50.0						
Naphthalene	BRL	U	µg/kg wet	5.0						
n-Propylbenzene	BRL	U	µg/kg wet	5.0						
Styrene	BRL	U	µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
Tetrachloroethene	BRL	U	µg/kg wet	5.0						
Toluene	BRL	U	µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL	U	µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL	U	µg/kg wet	5.0						
Trichloroethene	BRL	U	µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL	U	µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
Vinyl chloride	BRL	U	µg/kg wet	5.0						
m,p-Xylene	BRL	U	µg/kg wet	10.0						
o-Xylene	BRL	U	µg/kg wet	5.0						
Tetrahydrofuran	BRL	U	µg/kg wet	50.0						
Ethyl ether	BRL	U	µg/kg wet	5.0						
Tert-amyl methyl ether	BRL	U	µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
Di-isopropyl ether	BRL	U	µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/kg wet	50.0						
1,4-Dioxane	BRL	U	µg/kg wet	100						
Surrogate: 4-Bromofluorobenzene	*48.2*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*51.0*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.8*		µg/kg wet		*50.0*		*108*	*70-130*		
Surrogate: Dibromofluoromethane	*53.3*		µg/kg wet		*50.0*		*107*	*70-130*		
LCS (7041948-BS1)										
Prepared & Analyzed: 30-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.7		µg/kg wet		20.0		114	70-130		
Acetone	19.0		µg/kg wet		20.0		95	1.77-175		
Acrylonitrile	18.0		µg/kg wet		20.0		90	70-130		
Benzene	21.8		µg/kg wet		20.0		109	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041948 - SW846 5035A Soil (low level)										
LCS (7041948-BS1)										
Prepared & Analyzed: 30-Apr-07										
Bromobenzene	22.4		µg/kg wet		20.0		112	70-130		
Bromochloromethane	22.8		µg/kg wet		20.0		114	70-130		
Bromodichloromethane	21.5		µg/kg wet		20.0		108	70-130		
Bromoform	19.0		µg/kg wet		20.0		95	70-130		
Bromomethane	19.6		µg/kg wet		20.0		98	55.3-136		
2-Butanone (MEK)	16.7		µg/kg wet		20.0		84	38.8-142		
n-Butylbenzene	21.0		µg/kg wet		20.0		105	70-130		
sec-Butylbenzene	22.7		µg/kg wet		20.0		114	70-130		
tert-Butylbenzene	22.6		µg/kg wet		20.0		113	70-130		
Carbon disulfide	21.4		µg/kg wet		20.0		107	70-130		
Carbon tetrachloride	22.8		µg/kg wet		20.0		114	70-130		
Chlorobenzene	22.3		µg/kg wet		20.0		112	70-130		
Chloroethane	19.6		µg/kg wet		20.0		98	55.3-130		
Chloroform	21.6		µg/kg wet		20.0		108	70-130		
Chloromethane	19.6		µg/kg wet		20.0		98	70-130		
2-Chlorotoluene	21.5		µg/kg wet		20.0		108	70-130		
4-Chlorotoluene	21.6		µg/kg wet		20.0		108	70-130		
1,2-Dibromo-3-chloropropane	20.5		µg/kg wet		20.0		102	70-130		
Dibromochloromethane	21.5		µg/kg wet		20.0		108	64.7-139		
1,2-Dibromoethane (EDB)	23.5		µg/kg wet		20.0		118	70-130		
Dibromomethane	21.6		µg/kg wet		20.0		108	70-130		
1,2-Dichlorobenzene	22.1		µg/kg wet		20.0		110	70-130		
1,3-Dichlorobenzene	23.3		µg/kg wet		20.0		116	70-130		
1,4-Dichlorobenzene	21.3		µg/kg wet		20.0		106	70-130		
Dichlorodifluoromethane (Freon12)	16.7		µg/kg wet		20.0		84	34.4-167		
1,1-Dichloroethane	21.0		µg/kg wet		20.0		105	70-130		
1,2-Dichloroethane	20.8		µg/kg wet		20.0		104	70-130		
1,1-Dichloroethene	19.9		µg/kg wet		20.0		100	70-130		
cis-1,2-Dichloroethene	23.9		µg/kg wet		20.0		120	70-130		
trans-1,2-Dichloroethene	22.7		µg/kg wet		20.0		114	70-130		
1,2-Dichloropropane	22.3		µg/kg wet		20.0		112	70-130		
1,3-Dichloropropane	21.7		µg/kg wet		20.0		108	70-130		
2,2-Dichloropropane	20.9		µg/kg wet		20.0		104	70-130		
1,1-Dichloropropene	22.4		µg/kg wet		20.0		112	70-130		
cis-1,3-Dichloropropene	22.7		µg/kg wet		20.0		114	70-130		
trans-1,3-Dichloropropene	22.7		µg/kg wet		20.0		114	70-130		
Ethylbenzene	21.6		µg/kg wet		20.0		108	70-130		
Hexachlorobutadiene	22.2		µg/kg wet		20.0		111	60.7-140		
2-Hexanone (MBK)	17.1		µg/kg wet		20.0		86	70-130		
Isopropylbenzene	21.2		µg/kg wet		20.0		106	70-130		
4-Isopropyltoluene	22.0		µg/kg wet		20.0		110	70-130		
Methyl tert-butyl ether	21.2		µg/kg wet		20.0		106	70-130		
4-Methyl-2-pentanone (MIBK)	19.2		µg/kg wet		20.0		96	46.1-145		
Methylene chloride	18.6		µg/kg wet		20.0		93	70-130		
Naphthalene	23.8		µg/kg wet		20.0		119	70-130		
n-Propylbenzene	21.6		µg/kg wet		20.0		108	70-130		
Styrene	22.2		µg/kg wet		20.0		111	70-130		
1,1,1,2-Tetrachloroethane	24.5		µg/kg wet		20.0		122	70-130		
1,1,2,2-Tetrachloroethane	20.9		µg/kg wet		20.0		104	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041948 - SW846 5035A Soil (low level)										
LCS (7041948-BS1)										
Prepared & Analyzed: 30-Apr-07										
Tetrachloroethene	23.7		µg/kg wet		20.0		118	70-130		
Toluene	21.1		µg/kg wet		20.0		106	70-130		
1,2,3-Trichlorobenzene	23.4		µg/kg wet		20.0		117	70-130		
1,2,4-Trichlorobenzene	22.8		µg/kg wet		20.0		114	70-130		
1,1,1-Trichloroethane	21.8		µg/kg wet		20.0		109	70-130		
1,1,2-Trichloroethane	22.2		µg/kg wet		20.0		111	70-130		
Trichloroethene	23.0		µg/kg wet		20.0		115	70-130		
Trichlorofluoromethane (Freon 11)	20.0		µg/kg wet		20.0		100	56.8-140		
1,2,3-Trichloropropane	24.3		µg/kg wet		20.0		122	70-130		
1,2,4-Trimethylbenzene	22.4		µg/kg wet		20.0		112	70-130		
1,3,5-Trimethylbenzene	22.2		µg/kg wet		20.0		111	70-130		
Vinyl chloride	19.9		µg/kg wet		20.0		100	70-130		
m,p-Xylene	40.6		µg/kg wet		40.0		102	70-130		
o-Xylene	22.3		µg/kg wet		20.0		112	70-130		
Tetrahydrofuran	19.0		µg/kg wet		20.0		95	70-130		
Ethyl ether	19.4		µg/kg wet		20.0		97	65.3-130		
Tert-amyl methyl ether	19.6		µg/kg wet		20.0		98	70-130		
Ethyl tert-butyl ether	21.8		µg/kg wet		20.0		109	70-130		
Di-isopropyl ether	20.4		µg/kg wet		20.0		102	70-130		
Tert-Butanol / butyl alcohol	187		µg/kg wet		200		94	70-130		
1,4-Dioxane	237		µg/kg wet		200		118	34-155		
Surrogate: 4-Bromofluorobenzene	*48.8*		µg/kg wet		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*50.7*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.2*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*52.3*		µg/kg wet		*50.0*		*105*	*70-130*		
LCS Dup (7041948-BSD1)										
Prepared & Analyzed: 30-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.5		µg/kg wet		20.0		108	70-130	5	25
Acetone	14.9		µg/kg wet		20.0		74	1.77-175	25	50
Acrylonitrile	18.2		µg/kg wet		20.0		91	70-130	1	25
Benzene	21.3		µg/kg wet		20.0		106	70-130	3	25
Bromobenzene	22.0		µg/kg wet		20.0		110	70-130	2	25
Bromochloromethane	22.1		µg/kg wet		20.0		110	70-130	4	25
Bromodichloromethane	21.2		µg/kg wet		20.0		106	70-130	2	25
Bromoform	18.7		µg/kg wet		20.0		94	70-130	1	25
Bromomethane	19.8		µg/kg wet		20.0		99	55.3-136	1	50
2-Butanone (MEK)	16.2		µg/kg wet		20.0		81	38.8-142	4	50
n-Butylbenzene	20.3		µg/kg wet		20.0		102	70-130	3	25
sec-Butylbenzene	21.9		µg/kg wet		20.0		110	70-130	4	25
tert-Butylbenzene	21.8		µg/kg wet		20.0		109	70-130	4	25
Carbon disulfide	20.8		µg/kg wet		20.0		104	70-130	3	25
Carbon tetrachloride	21.9		µg/kg wet		20.0		110	70-130	4	25
Chlorobenzene	21.7		µg/kg wet		20.0		108	70-130	4	25
Chloroethane	18.8		µg/kg wet		20.0		94	55.3-130	4	50
Chloroform	21.0		µg/kg wet		20.0		105	70-130	3	25
Chloromethane	18.3		µg/kg wet		20.0		92	70-130	6	25
2-Chlorotoluene	20.8		µg/kg wet		20.0		104	70-130	4	25
4-Chlorotoluene	20.7		µg/kg wet		20.0		104	70-130	4	25
1,2-Dibromo-3-chloropropane	18.1		µg/kg wet		20.0		90	70-130	12	25
Dibromochloromethane	20.7		µg/kg wet		20.0		104	64.7-139	4	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041948 - SW846 5035A Soil (low level)										
LCS Dup (7041948-BSD1)										
Prepared & Analyzed: 30-Apr-07										
1,2-Dibromoethane (EDB)	22.2		µg/kg wet		20.0		111	70-130	6	25
Dibromomethane	20.9		µg/kg wet		20.0		104	70-130	4	25
1,2-Dichlorobenzene	20.8		µg/kg wet		20.0		104	70-130	6	25
1,3-Dichlorobenzene	22.1		µg/kg wet		20.0		110	70-130	5	25
1,4-Dichlorobenzene	20.6		µg/kg wet		20.0		103	70-130	3	25
Dichlorodifluoromethane (Freon12)	16.0		µg/kg wet		20.0		80	34.4-167	5	50
1,1-Dichloroethane	20.6		µg/kg wet		20.0		103	70-130	2	25
1,2-Dichloroethane	20.1		µg/kg wet		20.0		100	70-130	4	25
1,1-Dichloroethene	19.1		µg/kg wet		20.0		96	70-130	4	25
cis-1,2-Dichloroethene	22.8		µg/kg wet		20.0		114	70-130	5	25
trans-1,2-Dichloroethene	22.1		µg/kg wet		20.0		110	70-130	4	25
1,2-Dichloropropane	21.8		µg/kg wet		20.0		109	70-130	3	25
1,3-Dichloropropane	21.4		µg/kg wet		20.0		107	70-130	0.9	25
2,2-Dichloropropane	20.1		µg/kg wet		20.0		100	70-130	4	25
1,1-Dichloropropene	22.1		µg/kg wet		20.0		110	70-130	2	25
cis-1,3-Dichloropropene	22.0		µg/kg wet		20.0		110	70-130	4	25
trans-1,3-Dichloropropene	21.8		µg/kg wet		20.0		109	70-130	4	25
Ethylbenzene	21.2		µg/kg wet		20.0		106	70-130	2	25
Hexachlorobutadiene	21.5		µg/kg wet		20.0		108	60.7-140	3	50
2-Hexanone (MBK)	17.2		µg/kg wet		20.0		86	70-130	0	25
Isopropylbenzene	20.4		µg/kg wet		20.0		102	70-130	4	25
4-Isopropyltoluene	21.4		µg/kg wet		20.0		107	70-130	3	25
Methyl tert-butyl ether	20.2		µg/kg wet		20.0		101	70-130	5	25
4-Methyl-2-pentanone (MIBK)	18.3		µg/kg wet		20.0		92	46.1-145	4	50
Methylene chloride	18.4		µg/kg wet		20.0		92	70-130	1	25
Naphthalene	22.5		µg/kg wet		20.0		112	70-130	6	25
n-Propylbenzene	21.0		µg/kg wet		20.0		105	70-130	3	25
Styrene	21.2		µg/kg wet		20.0		106	70-130	5	25
1,1,1,2-Tetrachloroethane	23.4		µg/kg wet		20.0		117	70-130	4	25
1,1,2,2-Tetrachloroethane	20.5		µg/kg wet		20.0		102	70-130	2	25
Tetrachloroethene	22.7		µg/kg wet		20.0		114	70-130	3	25
Toluene	20.5		µg/kg wet		20.0		102	70-130	4	25
1,2,3-Trichlorobenzene	22.1		µg/kg wet		20.0		110	70-130	6	25
1,2,4-Trichlorobenzene	21.8		µg/kg wet		20.0		109	70-130	4	25
1,1,1-Trichloroethane	21.2		µg/kg wet		20.0		106	70-130	3	25
1,1,2-Trichloroethane	21.9		µg/kg wet		20.0		110	70-130	0.9	25
Trichloroethene	22.1		µg/kg wet		20.0		110	70-130	4	25
Trichlorofluoromethane (Freon 11)	19.0		µg/kg wet		20.0		95	56.8-140	5	50
1,2,3-Trichloropropane	23.1		µg/kg wet		20.0		116	70-130	5	25
1,2,4-Trimethylbenzene	21.6		µg/kg wet		20.0		108	70-130	4	25
1,3,5-Trimethylbenzene	21.5		µg/kg wet		20.0		108	70-130	3	25
Vinyl chloride	19.2		µg/kg wet		20.0		96	70-130	4	25
m,p-Xylene	39.4		µg/kg wet		40.0		98	70-130	4	25
o-Xylene	21.7		µg/kg wet		20.0		108	70-130	4	25
Tetrahydrofuran	19.1		µg/kg wet		20.0		96	70-130	1	25
Ethyl ether	18.1		µg/kg wet		20.0		90	65.3-130	7	50
Tert-amyl methyl ether	18.5		µg/kg wet		20.0		92	70-130	6	25
Ethyl tert-butyl ether	20.7		µg/kg wet		20.0		104	70-130	5	25
Di-isopropyl ether	19.8		µg/kg wet		20.0		99	70-130	3	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041948 - SW846 5035A Soil (low level)										
LCS Dup (7041948-BSD1)										
Prepared & Analyzed: 30-Apr-07										
Tert-Butanol / butyl alcohol	176		µg/kg wet		200		88	70-130	7	25
1,4-Dioxane	244		µg/kg wet		200		122	34-155	3	25
Surrogate: 4-Bromofluorobenzene	*49.3*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*50.3*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.8*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*52.1*		µg/kg wet		*50.0*		*104*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041675 - SW846 3545A										
Blank (7041675-BLK1)										
Prepared & Analyzed: 26-Apr-07										
Aroclor-1016	BRL	U	µg/kg wet	2.86						
Aroclor-1016 [2C]	BRL	U	µg/kg wet	2.86						
Aroclor-1221	BRL	U	µg/kg wet	2.86						
Aroclor-1221 [2C]	BRL	U	µg/kg wet	2.86						
Aroclor-1232	BRL	U	µg/kg wet	2.86						
Aroclor-1232 [2C]	BRL	U	µg/kg wet	2.86						
Aroclor-1242	BRL	U	µg/kg wet	2.86						
Aroclor-1242 [2C]	BRL	U	µg/kg wet	2.86						
Aroclor-1248	BRL	U	µg/kg wet	2.86						
Aroclor-1248 [2C]	BRL	U	µg/kg wet	2.86						
Aroclor-1254	BRL	U	µg/kg wet	2.86						
Aroclor-1254 [2C]	BRL	U	µg/kg wet	2.86						
Aroclor-1260	BRL	U	µg/kg wet	2.86						
Aroclor-1260 [2C]	BRL	U	µg/kg wet	2.86						
Aroclor-1262	BRL	U	µg/kg wet	2.86						
Aroclor-1262 [2C]	BRL	U	µg/kg wet	2.86						
Aroclor-1268	BRL	U	µg/kg wet	2.86						
Aroclor-1268 [2C]	BRL	U	µg/kg wet	2.86						
Surrogate: Decachlorobiphenyl (Sr)	*24.3*		µg/kg wet		*28.6*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*27.1*		µg/kg wet		*28.6*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*17.1*		µg/kg wet		*28.6*		*60*	*30-150*		
LCS (7041675-BS1)										
Prepared & Analyzed: 26-Apr-07										
Aroclor-1016	373		µg/kg wet	2.86	357		104	50-140		
Aroclor-1016 [2C]	360		µg/kg wet	2.86	357		101	50-140		
Aroclor-1221	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1221 [2C]	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1232	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1232 [2C]	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1242	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1242 [2C]	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1248	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1248 [2C]	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1254	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1254 [2C]	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1260	373		µg/kg wet	2.86	357		104	50-140		
Aroclor-1260 [2C]	404		µg/kg wet	2.86	357		113	50-140		
Aroclor-1262	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1262 [2C]	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1268	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1268 [2C]	BRL	U	µg/kg wet	2.86				50-140		
Surrogate: Decachlorobiphenyl (Sr)	*24.3*		µg/kg wet		*28.6*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*28.6*		µg/kg wet		*28.6*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
LCS Dup (7041675-BSD1)										
Prepared & Analyzed: 26-Apr-07										
Aroclor-1016	386		µg/kg wet	2.86	357		108	50-140	4	30
Aroclor-1016 [2C]	377		µg/kg wet	2.86	357		106	50-140	5	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041675 - SW846 3545A										
LCS Dup (7041675-BSD1)										
Prepared & Analyzed: 26-Apr-07										
Aroclor-1221	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1221 [2C]	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1232	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1232 [2C]	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1242	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1242 [2C]	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1248	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1248 [2C]	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1254	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1254 [2C]	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1260	380		µg/kg wet	2.86	357		106	50-140	2	30
Aroclor-1260 [2C]	411		µg/kg wet	2.86	357		115	50-140	2	30
Aroclor-1262	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1262 [2C]	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1268	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1268 [2C]	BRL	U	µg/kg wet	2.86				50-140		30
Surrogate: Decachlorobiphenyl (Sr)	*24.3*		µg/kg wet		*28.6*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*30.0*		µg/kg wet		*28.6*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
Duplicate (7041675-DUP1) **Source: SA61161-02**										
Prepared & Analyzed: 26-Apr-07										
Aroclor-1016	111	QM4	µg/kg dry	3.43		175			45	40
Aroclor-1016 [2C]	104	QM4	µg/kg dry	3.43		180			54	40
Aroclor-1221	BRL	U	µg/kg dry	3.43		BRL				40
Aroclor-1221 [2C]	BRL	U	µg/kg dry	3.43		BRL				40
Aroclor-1232	BRL	U	µg/kg dry	3.43		BRL				40
Aroclor-1232 [2C]	BRL	U	µg/kg dry	3.43		BRL				40
Aroclor-1242	BRL	U	µg/kg dry	3.43		BRL				40
Aroclor-1242 [2C]	BRL	U	µg/kg dry	3.43		BRL				40
Aroclor-1248	BRL	U	µg/kg dry	3.43		BRL				40
Aroclor-1248 [2C]	BRL	U	µg/kg dry	3.43		BRL				40
Aroclor-1254	BRL	U	µg/kg dry	3.43		BRL				40
Aroclor-1254 [2C]	BRL	U	µg/kg dry	3.43		BRL				40
Aroclor-1260	92.4	QM4	µg/kg dry	3.43		24.2			117	40
Aroclor-1260 [2C]	118	QM4	µg/kg dry	3.43		24.2			132	40
Aroclor-1262	BRL	U	µg/kg dry	3.43		BRL				40
Aroclor-1262 [2C]	BRL	U	µg/kg dry	3.43		BRL				40
Aroclor-1268	BRL	U	µg/kg dry	3.43		BRL				40
Aroclor-1268 [2C]	BRL	U	µg/kg dry	3.43		BRL				40
Surrogate: Decachlorobiphenyl (Sr)	*29.1*		µg/kg dry		*34.2*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*35.9*		µg/kg dry		*34.2*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*24.0*		µg/kg dry		*34.2*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*20.5*		µg/kg dry		*34.2*		*60*	*30-150*		
Matrix Spike (7041675-MS1) **Source: SA61161-02**										
Prepared & Analyzed: 26-Apr-07										
Aroclor-1016	530		µg/kg dry	3.40	425	175	84	40-135		
Aroclor-1016 [2C]	447		µg/kg dry	3.40	425	180	63	40-135		
Aroclor-1221	BRL	U	µg/kg dry	3.40		BRL		40-140		
Aroclor-1221 [2C]	BRL	U	µg/kg dry	3.40		BRL		40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041675 - SW846 3545A										
Matrix Spike (7041675-MS1) **Source: SA61161-02**										
Prepared & Analyzed: 26-Apr-07										
Aroclor-1232	BRL	U	µg/kg dry	3.40		BRL		40-140		
Aroclor-1232 [2C]	BRL	U	µg/kg dry	3.40		BRL		40-140		
Aroclor-1242	BRL	U	µg/kg dry	3.40		BRL		40-140		
Aroclor-1242 [2C]	BRL	U	µg/kg dry	3.40		BRL		40-140		
Aroclor-1248	BRL	U	µg/kg dry	3.40		BRL		40-140		
Aroclor-1248 [2C]	BRL	U	µg/kg dry	3.40		BRL		40-140		
Aroclor-1254	BRL	U	µg/kg dry	3.40		BRL		40-140		
Aroclor-1254 [2C]	BRL	U	µg/kg dry	3.40		BRL		40-140		
Aroclor-1260	589		µg/kg dry	3.40	425	24.2	133	40-135		
Aroclor-1260 [2C]	525		µg/kg dry	3.40	425	24.2	118	40-135		
Aroclor-1262	BRL	U	µg/kg dry	3.40		BRL		40-140		
Aroclor-1262 [2C]	BRL	U	µg/kg dry	3.40		BRL		40-140		
Aroclor-1268	BRL	U	µg/kg dry	3.40		BRL		40-140		
Aroclor-1268 [2C]	BRL	U	µg/kg dry	3.40		BRL		40-140		
Surrogate: Decachlorobiphenyl (Sr)	*27.2*		µg/kg dry		*34.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*32.3*		µg/kg dry		*34.0*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.1*		µg/kg dry		*34.0*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*22.1*		µg/kg dry		*34.0*		*65*	*30-150*		
Matrix Spike Dup (7041675-MSD1) **Source: SA61161-02**										
Prepared & Analyzed: 26-Apr-07										
Aroclor-1016	632		µg/kg dry	3.41	426	175	107	40-135	24	50
Aroclor-1016 [2C]	588		µg/kg dry	3.41	426	180	96	40-135	42	50
Aroclor-1221	BRL	U	µg/kg dry	3.41		BRL		40-140		50
Aroclor-1221 [2C]	BRL	U	µg/kg dry	3.41		BRL		40-140		50
Aroclor-1232	BRL	U	µg/kg dry	3.41		BRL		40-140		50
Aroclor-1232 [2C]	BRL	U	µg/kg dry	3.41		BRL		40-140		50
Aroclor-1242	BRL	U	µg/kg dry	3.41		BRL		40-140		50
Aroclor-1242 [2C]	BRL	U	µg/kg dry	3.41		BRL		40-140		50
Aroclor-1248	BRL	U	µg/kg dry	3.41		BRL		40-140		50
Aroclor-1248 [2C]	BRL	U	µg/kg dry	3.41		BRL		40-140		50
Aroclor-1254	BRL	U	µg/kg dry	3.41		BRL		40-140		50
Aroclor-1254 [2C]	BRL	U	µg/kg dry	3.41		BRL		40-140		50
Aroclor-1260	681	QM4	µg/kg dry	3.41	426	24.2	154	40-135	15	50
Aroclor-1260 [2C]	737	QM4	µg/kg dry	3.41	426	24.2	167	40-135	34	50
Aroclor-1262	BRL	U	µg/kg dry	3.41		BRL		40-140		50
Aroclor-1262 [2C]	BRL	U	µg/kg dry	3.41		BRL		40-140		50
Aroclor-1268	BRL	U	µg/kg dry	3.41		BRL		40-140		50
Aroclor-1268 [2C]	BRL	U	µg/kg dry	3.41		BRL		40-140		50
Surrogate: Decachlorobiphenyl (Sr)	*29.0*		µg/kg dry		*34.1*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*30.7*		µg/kg dry		*34.1*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.1*		µg/kg dry		*34.1*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*20.4*		µg/kg dry		*34.1*		*60*	*30-150*		
Batch 7041676 - SW846 3550B										
Blank (7041676-BLK1)										
Prepared: 26-Apr-07 Analyzed: 29-Apr-07										
Aldrin	BRL	U	µg/kg wet	14.3						
a-BHC	BRL	U	µg/kg wet	14.3						
b-BHC	BRL	U	µg/kg wet	14.3						
d-BHC	BRL	U	µg/kg wet	14.3						
g-BHC (Lindane)	BRL	U	µg/kg wet	14.3						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041676 - SW846 3550B										
Blank (7041676-BLK1)										
Prepared: 26-Apr-07 Analyzed: 29-Apr-07										
Chlordane	BRL	U	µg/kg wet	71.5						
4,4'-DDD (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDE (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDT (p,p')	BRL	U	µg/kg wet	14.3						
Dieldrin	BRL	U	µg/kg wet	14.3						
Endosulfan I	BRL	U	µg/kg wet	14.3						
Endosulfan II	BRL	U	µg/kg wet	14.3						
Endosulfan Sulfate	BRL	U	µg/kg wet	14.3						
Endrin	BRL	U	µg/kg wet	14.3						
Endrin Aldehyde	BRL	U	µg/kg wet	14.3						
Heptachlor	BRL	U	µg/kg wet	14.3						
Methoxychlor	BRL	U	µg/kg wet	14.3						
Heptachlor Epoxide	BRL	U	µg/kg wet	14.3						
Toxaphene	BRL	U	µg/kg wet	71.5						
a-Chlordane	BRL	U	µg/kg wet	14.3						
g-Chlordane	BRL	U	µg/kg wet	14.3						
Endrin Ketone	BRL	U	µg/kg wet	14.3						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.7*		µg/kg wet		*28.6*		*62*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.9*		µg/kg wet		*28.6*		*87*	*30-150*		
LCS (7041676-BS1)										
Prepared: 26-Apr-07 Analyzed: 29-Apr-07										
Aldrin	25.6		µg/kg wet	14.3	28.6		90	40-140		
a-BHC	24.4		µg/kg wet	14.3	28.6		85	40-140		
b-BHC	24.4		µg/kg wet	14.3	28.6		85	40-140		
d-BHC	22.9		µg/kg wet	14.3	28.6		80	40-140		
g-BHC (Lindane)	23.5		µg/kg wet	14.3	28.6		82	40-140		
4,4'-DDD (p,p')	27.5		µg/kg wet	14.3	28.6		96	40-140		
4,4'-DDE (p,p')	26.9		µg/kg wet	14.3	28.6		94	40-140		
4,4'-DDT (p,p')	23.0		µg/kg wet	14.3	28.6		80	40-140		
Dieldrin	28.0		µg/kg wet	14.3	28.6		98	40-140		
Endosulfan I	31.4		µg/kg wet	14.3	28.6		110	40-140		
Endosulfan II	27.6		µg/kg wet	14.3	28.6		97	40-140		
Endosulfan Sulfate	25.4		µg/kg wet	14.3	28.6		89	40-140		
Endrin	26.2		µg/kg wet	14.3	28.6		92	40-140		
Endrin Aldehyde	27.3		µg/kg wet	14.3	28.6		95	40-140		
Heptachlor	28.8		µg/kg wet	14.3	28.6		101	40-140		
Methoxychlor	27.1		µg/kg wet	14.3	28.6		95	40-140		
Heptachlor Epoxide	26.9		µg/kg wet	14.3	28.6		94	40-140		
a-Chlordane	29.7		µg/kg wet	14.3	28.6		104	40-140		
g-Chlordane	27.7		µg/kg wet	14.3	28.6		97	40-140		
Endrin Ketone	26.2		µg/kg wet	14.3	28.6		92	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*28.6*		*63*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*27.0*		µg/kg wet		*28.6*		*94*	*30-150*		
LCS Dup (7041676-BSD1)										
Prepared: 26-Apr-07 Analyzed: 29-Apr-07										
Aldrin	25.6		µg/kg wet	14.3	28.6		90	40-140	0	30
a-BHC	25.4		µg/kg wet	14.3	28.6		89	40-140	5	30
b-BHC	23.6		µg/kg wet	14.3	28.6		83	40-140	2	30
d-BHC	22.8		µg/kg wet	14.3	28.6		80	40-140	0	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041676 - SW846 3550B										
LCS Dup (7041676-BSD1)										
Prepared: 26-Apr-07 Analyzed: 29-Apr-07										
g-BHC (Lindane)	25.4		µg/kg wet	14.3	28.6		89	40-140	8	30
4,4'-DDD (p,p')	29.2		µg/kg wet	14.3	28.6		102	40-140	6	30
4,4'-DDE (p,p')	27.8		µg/kg wet	14.3	28.6		97	40-140	3	30
4,4'-DDT (p,p')	23.9		µg/kg wet	14.3	28.6		84	40-140	5	30
Dieldrin	28.2		µg/kg wet	14.3	28.6		99	40-140	1	30
Endosulfan I	28.9		µg/kg wet	14.3	28.6		101	40-140	9	30
Endosulfan II	28.1		µg/kg wet	14.3	28.6		98	40-140	1	30
Endosulfan Sulfate	25.6		µg/kg wet	14.3	28.6		90	40-140	1	30
Endrin	26.5		µg/kg wet	14.3	28.6		93	40-140	1	30
Endrin Aldehyde	28.5		µg/kg wet	14.3	28.6		100	40-140	5	30
Heptachlor	30.2		µg/kg wet	14.3	28.6		106	40-140	5	30
Methoxychlor	25.7		µg/kg wet	14.3	28.6		90	40-140	5	30
Heptachlor Epoxide	27.5		µg/kg wet	14.3	28.6		96	40-140	2	30
a-Chlordane	28.3		µg/kg wet	14.3	28.6		99	40-140	5	30
g-Chlordane	28.9		µg/kg wet	14.3	28.6		101	40-140	4	30
Endrin Ketone	26.8		µg/kg wet	14.3	28.6		94	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.3*		µg/kg wet		*28.6*		*64*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.7*		µg/kg wet		*28.6*		*93*	*30-150*		
Duplicate (7041676-DUP1) **Source: SA61161-02**										
Prepared: 26-Apr-07 Analyzed: 29-Apr-07										
Aldrin	72.7		µg/kg dry	17.1		97.2			29	30
a-BHC	BRL	U	µg/kg dry	17.1		BRL				30
b-BHC	BRL	U	µg/kg dry	17.1		BRL				30
d-BHC	BRL	U	µg/kg dry	17.1		BRL				30
g-BHC (Lindane)	BRL	U	µg/kg dry	17.1		BRL				30
Chlordane	BRL	U	µg/kg dry	85.7		BRL				30
4,4'-DDD (p,p')	9.39	J	µg/kg dry	17.1		8.94			5	30
4,4'-DDE (p,p')	2.17	QM4, J	µg/kg dry	17.1		1.39			44	30
4,4'-DDT (p,p')	122	QM4	µg/kg dry	17.1		37.8			105	30
Dieldrin	26.6		µg/kg dry	17.1		27.2			2	30
Endosulfan I	BRL	U	µg/kg dry	17.1		BRL				30
Endosulfan II	BRL	U	µg/kg dry	17.1		BRL				30
Endosulfan Sulfate	BRL	U	µg/kg dry	17.1		BRL				30
Endrin	BRL	U	µg/kg dry	17.1		BRL				30
Endrin Aldehyde	BRL	U	µg/kg dry	17.1		BRL				30
Heptachlor	BRL	U	µg/kg dry	17.1		BRL				30
Methoxychlor	BRL	U	µg/kg dry	17.1		BRL				30
Heptachlor Epoxide	BRL	U	µg/kg dry	17.1		BRL				30
Toxaphene	BRL	U	µg/kg dry	85.7		BRL				30
a-Chlordane	7.45	J	µg/kg dry	17.1		8.54			14	30
g-Chlordane	8.32	J	µg/kg dry	17.1		8.34			0.2	30
Endrin Ketone	BRL	U	µg/kg dry	17.1		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*28.2*		µg/kg dry		*34.2*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*43.6*		µg/kg dry		*34.2*		*127*	*30-150*		
Matrix Spike (7041676-MS1) **Source: SA61161-02**										
Prepared: 26-Apr-07 Analyzed: 29-Apr-07										
Aldrin	136		µg/kg dry	17.0	33.9	97.2	114	30-150		
a-BHC	32.4		µg/kg dry	17.0	33.9	BRL	96	30-150		
b-BHC	23.7		µg/kg dry	17.0	33.9	BRL	70	30-150		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041676 - SW846 3550B										
Matrix Spike (7041676-MS1) **Source: SA61161-02**										
Prepared: 26-Apr-07 Analyzed: 29-Apr-07										
d-BHC	37.5		µg/kg dry	17.0	33.9	BRL	111	30-150		
g-BHC (Lindane)	33.3		µg/kg dry	17.0	33.9	BRL	98	30-150		
4,4'-DDD (p,p')	42.6		µg/kg dry	17.0	33.9	8.94	99	30-150		
4,4'-DDE (p,p')	41.5		µg/kg dry	17.0	33.9	1.39	118	30-150		
4,4'-DDT (p,p')	124	QM4	µg/kg dry	17.0	33.9	37.8	254	30-150		
Dieldrin	66.6		µg/kg dry	17.0	33.9	27.2	116	30-150		
Endosulfan I	42.7		µg/kg dry	17.0	33.9	BRL	126	30-150		
Endosulfan II	46.6		µg/kg dry	17.0	33.9	BRL	137	30-150		
Endosulfan Sulfate	45.6		µg/kg dry	17.0	33.9	BRL	135	30-150		
Endrin	40.4		µg/kg dry	17.0	33.9	BRL	119	30-150		
Endrin Aldehyde	38.6		µg/kg dry	17.0	33.9	BRL	114	30-150		
Heptachlor	38.3		µg/kg dry	17.0	33.9	BRL	113	30-150		
Methoxychlor	50.4		µg/kg dry	17.0	33.9	BRL	149	30-150		
Heptachlor Epoxide	36.1		µg/kg dry	17.0	33.9	BRL	106	30-150		
a-Chlordane	50.1		µg/kg dry	17.0	33.9	8.54	123	30-150		
g-Chlordane	48.1		µg/kg dry	17.0	33.9	8.34	117	30-150		
Endrin Ketone	38.2		µg/kg dry	17.0	33.9	BRL	113	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*26.8*		µg/kg dry		*33.9*		*79*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*50.5*		µg/kg dry		*33.9*		*149*	*30-150*		
Matrix Spike Dup (7041676-MSD1) **Source: SA61161-02**										
Prepared: 26-Apr-07 Analyzed: 29-Apr-07										
Aldrin	137		µg/kg dry	17.1	34.1	97.2	117	30-150	3	30
a-BHC	33.1		µg/kg dry	17.1	34.1	BRL	97	30-150	1	30
b-BHC	29.0		µg/kg dry	17.1	34.1	BRL	85	30-150	19	30
d-BHC	35.0		µg/kg dry	17.1	34.1	BRL	103	30-150	7	30
g-BHC (Lindane)	34.5		µg/kg dry	17.1	34.1	BRL	101	30-150	3	30
4,4'-DDD (p,p')	40.3		µg/kg dry	17.1	34.1	8.94	92	30-150	7	30
4,4'-DDE (p,p')	36.2		µg/kg dry	17.1	34.1	1.39	102	30-150	15	30
4,4'-DDT (p,p')	105	QM4	µg/kg dry	17.1	34.1	37.8	197	30-150	25	30
Dieldrin	68.0		µg/kg dry	17.1	34.1	27.2	120	30-150	3	30
Endosulfan I	39.8		µg/kg dry	17.1	34.1	BRL	117	30-150	7	30
Endosulfan II	43.1		µg/kg dry	17.1	34.1	BRL	126	30-150	8	30
Endosulfan Sulfate	42.5		µg/kg dry	17.1	34.1	BRL	125	30-150	8	30
Endrin	40.9		µg/kg dry	17.1	34.1	BRL	120	30-150	0.8	30
Endrin Aldehyde	42.2		µg/kg dry	17.1	34.1	BRL	124	30-150	8	30
Heptachlor	36.6		µg/kg dry	17.1	34.1	BRL	107	30-150	5	30
Methoxychlor	47.4		µg/kg dry	17.1	34.1	BRL	139	30-150	7	30
Heptachlor Epoxide	42.2		µg/kg dry	17.1	34.1	BRL	124	30-150	16	30
a-Chlordane	51.2		µg/kg dry	17.1	34.1	8.54	125	30-150	2	50
g-Chlordane	42.4		µg/kg dry	17.1	34.1	8.34	100	30-150	16	50
Endrin Ketone	41.0		µg/kg dry	17.1	34.1	BRL	120	30-150	6	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.2*		µg/kg dry		*34.1*		*62*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*43.8*		µg/kg dry		*34.1*		*128*	*30-150*		
Batch 7041773 - SW846 3550B										
Blank (7041773-BLK1)										
Prepared: 27-Apr-07 Analyzed: 28-Apr-07										
2,4-D	BRL	U	µg/kg wet	6.70						
2,4,5-T	BRL	U	µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL	U	µg/kg wet	6.70						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041773 - SW846 3550B										
Blank (7041773-BLK1)										
Prepared: 27-Apr-07 Analyzed: 28-Apr-07										
2,4-DB	BRL	U	µg/kg wet	6.70						
Dalapon	BRL	U	µg/kg wet	6.70						
Dicamba	BRL	U	µg/kg wet	6.70						
Dinoseb	BRL	U	µg/kg wet	6.70						
Dichlorprop	BRL	U	µg/kg wet	6.70						
MCPB	BRL	U	µg/kg wet	670						
MCPA	BRL	U	µg/kg wet	670						
MCPP	BRL	U	µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*5.07*		µg/kg wet		*13.3*		*38*	*30-150*		
LCS (7041773-BS1)										
Prepared: 27-Apr-07 Analyzed: 28-Apr-07										
2,4-D	32.9		µg/kg wet	6.70	33.3		99	40-140		
2,4,5-T	34.0		µg/kg wet	6.70	33.3		102	40-140		
2,4,5-TP (Silvex)	33.9		µg/kg wet	6.70	33.3		102	40-140		
2,4-DB	30.9		µg/kg wet	6.70	33.3		93	40-140		
Dalapon	29.1		µg/kg wet	6.70	33.3		87	40-140		
Dicamba	34.7		µg/kg wet	6.70	33.3		104	40-140		
Dinoseb	38.5		µg/kg wet	6.70	33.3		116	40-140		
Dichlorprop	30.4		µg/kg wet	6.70	33.3		91	40-140		
MCPB	10300		µg/kg wet	670	10000		103	40-140		
MCPA	10300		µg/kg wet	670	10000		103	40-140		
MCPP	10700		µg/kg wet	670	10000		107	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.2*		µg/kg wet		*26.7*		*68*	*30-150*		
LCS Dup (7041773-BSD1)										
Prepared: 27-Apr-07 Analyzed: 28-Apr-07										
2,4-D	30.2		µg/kg wet	6.70	33.3		91	40-140	8	25
2,4,5-T	34.1		µg/kg wet	6.70	33.3		102	40-140	0	25
2,4,5-TP (Silvex)	33.3		µg/kg wet	6.70	33.3		100	40-140	2	25
2,4-DB	30.7		µg/kg wet	6.70	33.3		92	40-140	1	25
Dalapon	31.6		µg/kg wet	6.70	33.3		95	40-140	9	25
Dicamba	33.1		µg/kg wet	6.70	33.3		99	40-140	5	25
Dinoseb	34.3		µg/kg wet	6.70	33.3		103	40-140	12	25
Dichlorprop	31.5		µg/kg wet	6.70	33.3		95	40-140	4	25
MCPB	9770		µg/kg wet	670	10000		98	40-140	5	25
MCPA	9940		µg/kg wet	670	10000		99	40-140	4	25
MCPP	10700		µg/kg wet	670	10000		107	40-140	0	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.9*		µg/kg wet		*26.7*		*63*	*30-150*		
Duplicate (7041773-DUP1) **Source: SA61162-02**										
Prepared: 27-Apr-07 Analyzed: 29-Apr-07										
2,4-D	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-T	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70		BRL				30
2,4-DB	BRL	U	µg/kg dry	6.70		BRL				30
Dalapon	BRL	U	µg/kg dry	6.70		BRL				30
Dicamba	BRL	U	µg/kg dry	6.70		BRL				30
Dinoseb	BRL	U	µg/kg dry	6.70		BRL				30
Dichlorprop	BRL	U	µg/kg dry	6.70		BRL				30
MCPB	BRL	U	µg/kg dry	670		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041773 - SW846 3550B										
Duplicate (7041773-DUP1) **Source: SA61162-02**										
Prepared: 27-Apr-07 Analyzed: 29-Apr-07										
MCPA	BRL	U	µg/kg dry	670		BRL				30
MCPP	BRL	U	µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*11.4*		µg/kg dry		*18.1*		*63*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041775 - SW846 3550B										
Blank (7041775-BLK1)										
Prepared: 27-Apr-07 Analyzed: 29-Apr-07										
Acenaphthene	BRL	U	µg/kg wet	330						
Acenaphthylene	BRL	U	µg/kg wet	330						
Aniline	BRL	U	µg/kg wet	330						
Anthracene	BRL	U	µg/kg wet	330						
Atrazine	BRL	U	µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL	U	µg/kg wet	330						
Benzidine	BRL	U	µg/kg wet	330						
Benzo (a) anthracene	BRL	U	µg/kg wet	330						
Benzo (a) pyrene	BRL	U	µg/kg wet	330						
Benzo (b) fluoranthene	BRL	U	µg/kg wet	330						
Benzo (g,h,i) perylene	BRL	U	µg/kg wet	330						
Benzo (k) fluoranthene	BRL	U	µg/kg wet	330						
Benzoic acid	BRL	U	µg/kg wet	330						
Benzyl alcohol	BRL	U	µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL	U	µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL	U	µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL	U	µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL	U	µg/kg wet	330						
Butyl benzyl phthalate	BRL	U	µg/kg wet	330						
Carbazole	BRL	U	µg/kg wet	330						
4-Chloro-3-methylphenol	BRL	U	µg/kg wet	330						
4-Chloroaniline	BRL	U	µg/kg wet	330						
2-Chloronaphthalene	BRL	U	µg/kg wet	330						
2-Chlorophenol	BRL	U	µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL	U	µg/kg wet	330						
Chrysene	BRL	U	µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL	U	µg/kg wet	330						
Dibenzofuran	BRL	U	µg/kg wet	330						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	330						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	330						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	330						
3,3´-Dichlorobenzidine	BRL	U	µg/kg wet	330						
2,4-Dichlorophenol	BRL	U	µg/kg wet	330						
Diethyl phthalate	BRL	U	µg/kg wet	330						
Dimethyl phthalate	BRL	U	µg/kg wet	330						
2,4-Dimethylphenol	BRL	U	µg/kg wet	330						
Di-n-butyl phthalate	BRL	U	µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL	U	µg/kg wet	330						
2,4-Dinitrophenol	BRL	U	µg/kg wet	330						
2,4-Dinitrotoluene	BRL	U	µg/kg wet	330						
2,6-Dinitrotoluene	BRL	U	µg/kg wet	330						
Di-n-octyl phthalate	BRL	U	µg/kg wet	330						
Fluoranthene	BRL	U	µg/kg wet	330						
Fluorene	BRL	U	µg/kg wet	330						
Hexachlorobenzene	BRL	U	µg/kg wet	330						
Hexachlorobutadiene	BRL	U	µg/kg wet	330						
Hexachlorocyclopentadiene	BRL	U	µg/kg wet	330						
Hexachloroethane	BRL	U	µg/kg wet	330						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041775 - SW846 3550B										
Blank (7041775-BLK1)										
Prepared: 27-Apr-07 Analyzed: 29-Apr-07										
Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg wet	330						
Isophorone	BRL	U	µg/kg wet	330						
1-Methylnaphthalene	BRL	U	µg/kg wet	330						
2-Methylnaphthalene	BRL	U	µg/kg wet	330						
2-Methylphenol	BRL	U	µg/kg wet	330						
3,4-Methylphenol	BRL	U	µg/kg wet	330						
Naphthalene	BRL	U	µg/kg wet	330						
2-Nitroaniline	BRL	U	µg/kg wet	330						
3-Nitroaniline	BRL	U	µg/kg wet	330						
4-Nitroaniline	BRL	U	µg/kg wet	1320						
Nitrobenzene	BRL	U	µg/kg wet	330						
2-Nitrophenol	BRL	U	µg/kg wet	330						
4-Nitrophenol	BRL	U	µg/kg wet	1320						
N-Nitrosodimethylamine	BRL	U	µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL	U	µg/kg wet	330						
N-Nitrosodiphenylamine	BRL	U	µg/kg wet	330						
Pentachlorophenol	BRL	U	µg/kg wet	1320						
Phenanthrene	BRL	U	µg/kg wet	330						
Phenol	BRL	U	µg/kg wet	330						
Pyrene	BRL	U	µg/kg wet	330						
Pyridine	BRL	U	µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	330						
2,4,5-Trichlorophenol	BRL	U	µg/kg wet	330						
2,4,6-Trichlorophenol	BRL	U	µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*5380*		µg/kg wet		*6670*		*81*	*30-130*		
Surrogate: 2-Fluorophenol	*5750*		µg/kg wet		*6670*		*86*	*15-110*		
Surrogate: Nitrobenzene-d5	*5460*		µg/kg wet		*6670*		*82*	*30-130*		
Surrogate: Phenol-d5	*5610*		µg/kg wet		*6670*		*84*	*15-110*		
Surrogate: Terphenyl-dl4	*5600*		µg/kg wet		*6670*		*84*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*5440*		µg/kg wet		*6670*		*82*	*15-110*		
LCS (7041775-BS1)										
Prepared: 27-Apr-07 Analyzed: 29-Apr-07										
Acenaphthene	4930		µg/kg wet	330	6670		74	40-130		
Acenaphthylene	5380		µg/kg wet	330	6670		81	40-130		
Aniline	6370		µg/kg wet	330	6670		96	40-130		
Anthracene	5440		µg/kg wet	330	6670		82	40-130		
Atrazine	7830		µg/kg wet	330	6670		117	40-130		
Azobenzene/Diphenyldiazine	6100		µg/kg wet	330	6670		91	40-130		
Benzidine	433		µg/kg wet	330	6670		6	0-130		
Benzo (a) anthracene	5130		µg/kg wet	330	6670		77	40-130		
Benzo (a) pyrene	5170		µg/kg wet	330	6670		78	40-130		
Benzo (b) fluoranthene	4970		µg/kg wet	330	6670		75	40-130		
Benzo (g,h,i) perylene	5160		µg/kg wet	330	6670		77	40-130		
Benzo (k) fluoranthene	4920		µg/kg wet	330	6670		74	40-130		
Benzoic acid	5360		µg/kg wet	330	6670		80	6.16-130		
Benzyl alcohol	5010		µg/kg wet	330	6670		75	40-130		
Bis(2-chloroethoxy)methane	5100		µg/kg wet	330	6670		76	40-130		
Bis(2-chloroethyl)ether	4370		µg/kg wet	330	6670		66	40-130		
Bis(2-chloroisopropyl)ether	5870		µg/kg wet	330	6670		88	40-130		
Bis(2-ethylhexyl)phthalate	5220		µg/kg wet	330	6670		78	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041775 - SW846 3550B										
LCS (7041775-BS1)										
Prepared: 27-Apr-07 Analyzed: 29-Apr-07										
4-Bromophenyl phenyl ether	5150		µg/kg wet	330	6670		77	40-130		
Butyl benzyl phthalate	5150		µg/kg wet	330	6670		77	40-130		
Carbazole	6480		µg/kg wet	330	6670		97	40-130		
4-Chloro-3-methylphenol	4770		µg/kg wet	330	6670		72	40-130		
4-Chloroaniline	4630		µg/kg wet	330	6670		69	40-130		
2-Chloronaphthalene	5010		µg/kg wet	330	6670		75	40-130		
2-Chlorophenol	4230		µg/kg wet	330	6670		63	40-130		
4-Chlorophenyl phenyl ether	4940		µg/kg wet	330	6670		74	40-130		
Chrysene	5150		µg/kg wet	330	6670		77	40-130		
Dibenzo (a,h) anthracene	5470		µg/kg wet	330	6670		82	40-130		
Dibenzofuran	5160		µg/kg wet	330	6670		77	40-130		
1,2-Dichlorobenzene	4390		µg/kg wet	330	6670		66	40-130		
1,3-Dichlorobenzene	4320		µg/kg wet	330	6670		65	40-130		
1,4-Dichlorobenzene	4350		µg/kg wet	330	6670		65	40-130		
3,3´-Dichlorobenzidine	5310		µg/kg wet	330	6670		80	40-130		
2,4-Dichlorophenol	4430		µg/kg wet	330	6670		66	40-130		
Diethyl phthalate	4950		µg/kg wet	330	6670		74	40-130		
Dimethyl phthalate	4940		µg/kg wet	330	6670		74	40-130		
2,4-Dimethylphenol	4420		µg/kg wet	330	6670		66	40-130		
Di-n-butyl phthalate	5200		µg/kg wet	330	6670		78	40-130		
4,6-Dinitro-2-methylphenol	5710		µg/kg wet	330	6670		86	40-130		
2,4-Dinitrophenol	5620		µg/kg wet	330	6670		84	40-130		
2,4-Dinitrotoluene	5740		µg/kg wet	330	6670		86	40-130		
2,6-Dinitrotoluene	5550		µg/kg wet	330	6670		83	40-130		
Di-n-octyl phthalate	5450		µg/kg wet	330	6670		82	40-130		
Fluoranthene	5090		µg/kg wet	330	6670		76	40-130		
Fluorene	4920		µg/kg wet	330	6670		74	40-130		
Hexachlorobenzene	5020		µg/kg wet	330	6670		75	40-130		
Hexachlorobutadiene	4500		µg/kg wet	330	6670		67	40-130		
Hexachlorocyclopentadiene	5670		µg/kg wet	330	6670		85	40-130		
Hexachloroethane	4470		µg/kg wet	330	6670		67	40-130		
Indeno (1,2,3-cd) pyrene	4670		µg/kg wet	330	6670		70	40-130		
Isophorone	5260		µg/kg wet	330	6670		79	40-130		
1-Methylnaphthalene	4990		µg/kg wet	330	6670		75	40-140		
2-Methylnaphthalene	4780		µg/kg wet	330	6670		72	40-130		
2-Methylphenol	4360		µg/kg wet	330	6670		65	40-130		
3,4-Methylphenol	5010		µg/kg wet	330	6670		75	40-130		
Naphthalene	5000		µg/kg wet	330	6670		75	40-130		
2-Nitroaniline	5920		µg/kg wet	330	6670		89	40-130		
3-Nitroaniline	5520		µg/kg wet	330	6670		83	40-130		
4-Nitroaniline	6860		µg/kg wet	1320	6670		103	40-130		
Nitrobenzene	5100		µg/kg wet	330	6670		76	40-130		
2-Nitrophenol	4680		µg/kg wet	330	6670		70	40-130		
4-Nitrophenol	5040		µg/kg wet	1320	6670		76	40-130		
N-Nitrosodimethylamine	4820		µg/kg wet	330	6670		72	40-130		
N-Nitrosodi-n-propylamine	3000		µg/kg wet	330	6670		45	40-130		
N-Nitrosodiphenylamine	5550		µg/kg wet	330	6670		83	40-130		
Pentachlorophenol	5440		µg/kg wet	1320	6670		82	40-130		
Phenanthrene	5140		µg/kg wet	330	6670		77	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041775 - SW846 3550B										
LCS (7041775-BS1)										
Prepared: 27-Apr-07 Analyzed: 29-Apr-07										
Phenol	4580		µg/kg wet	330	6670		69	40-130		
Pyrene	5290		µg/kg wet	330	6670		79	40-130		
Pyridine	2840		µg/kg wet	330	6670		43	40-130		
1,2,4-Trichlorobenzene	4540		µg/kg wet	330	6670		68	40-130		
2,4,5-Trichlorophenol	4750		µg/kg wet	330	6670		71	40-130		
2,4,6-Trichlorophenol	4340		µg/kg wet	330	6670		65	40-130		
Surrogate: 2-Fluorobiphenyl	*5400*		µg/kg wet		*6670*		*81*	*30-130*		
Surrogate: 2-Fluorophenol	*4690*		µg/kg wet		*6670*		*70*	*15-110*		
Surrogate: Nitrobenzene-d5	*5600*		µg/kg wet		*6670*		*84*	*30-130*		
Surrogate: Phenol-d5	*4630*		µg/kg wet		*6670*		*69*	*15-110*		
Surrogate: Terphenyl-dl4	*5730*		µg/kg wet		*6670*		*86*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*5860*		µg/kg wet		*6670*		*88*	*15-110*		
Duplicate (7041775-DUP1) **Source: SA61153-20**										
Prepared: 27-Apr-07 Analyzed: 29-Apr-07										
Acenaphthene	BRL	U	µg/kg wet	167		BRL				50
Acenaphthylene	BRL	U	µg/kg wet	167		BRL				50
Aniline	BRL	U	µg/kg wet	167		BRL				50
Anthracene	BRL	U	µg/kg wet	167		BRL				50
Atrazine	BRL	U	µg/kg wet	167		BRL				50
Azobenzene/Diphenyldiazine	BRL	U	µg/kg wet	167		BRL				50
Benzidine	BRL	U	µg/kg wet	167		BRL				50
Benzo (a) anthracene	BRL	U	µg/kg wet	167		BRL				50
Benzo (a) pyrene	BRL	U	µg/kg wet	167		BRL				50
Benzo (b) fluoranthene	BRL	U	µg/kg wet	167		BRL				50
Benzo (g,h,i) perylene	BRL	U	µg/kg wet	167		BRL				50
Benzo (k) fluoranthene	BRL	U	µg/kg wet	167		BRL				50
Benzoic acid	BRL	U	µg/kg wet	167		BRL				50
Benzyl alcohol	BRL	U	µg/kg wet	167		BRL				50
Bis(2-chloroethoxy)methane	BRL	U	µg/kg wet	167		BRL				50
Bis(2-chloroethyl)ether	BRL	U	µg/kg wet	167		BRL				50
Bis(2-chloroisopropyl)ether	BRL	U	µg/kg wet	167		BRL				50
Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg wet	167		BRL				50
4-Bromophenyl phenyl ether	BRL	U	µg/kg wet	167		BRL				50
Butyl benzyl phthalate	BRL	U	µg/kg wet	167		BRL				50
Carbazole	BRL	U	µg/kg wet	167		BRL				50
4-Chloro-3-methylphenol	BRL	U	µg/kg wet	167		BRL				50
4-Chloroaniline	BRL	U	µg/kg wet	167		BRL				50
2-Chloronaphthalene	BRL	U	µg/kg wet	167		BRL				50
2-Chlorophenol	BRL	U	µg/kg wet	167		BRL				50
4-Chlorophenyl phenyl ether	BRL	U	µg/kg wet	167		BRL				50
Chrysene	BRL	U	µg/kg wet	167		BRL				50
Dibenzo (a,h) anthracene	BRL	U	µg/kg wet	167		BRL				50
Dibenzofuran	BRL	U	µg/kg wet	167		BRL				50
1,2-Dichlorobenzene	BRL	U	µg/kg wet	167		BRL				50
1,3-Dichlorobenzene	BRL	U	µg/kg wet	167		BRL				50
1,4-Dichlorobenzene	BRL	U	µg/kg wet	167		BRL				50
3,3´-Dichlorobenzidine	BRL	U	µg/kg wet	167		BRL				50
2,4-Dichlorophenol	BRL	U	µg/kg wet	167		BRL				50
Diethyl phthalate	BRL	U	µg/kg wet	167		BRL				50
Dimethyl phthalate	BRL	U	µg/kg wet	167		BRL				50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041775 - SW846 3550B										
Duplicate (7041775-DUP1) **Source: SA61153-20**										
Prepared: 27-Apr-07 Analyzed: 29-Apr-07										
2,4-Dimethylphenol	BRL	U	µg/kg wet	167		BRL				50
Di-n-butyl phthalate	BRL	U	µg/kg wet	167		BRL				50
4,6-Dinitro-2-methylphenol	BRL	U	µg/kg wet	167		BRL				50
2,4-Dinitrophenol	BRL	U	µg/kg wet	167		BRL				50
2,4-Dinitrotoluene	BRL	U	µg/kg wet	167		BRL				50
2,6-Dinitrotoluene	BRL	U	µg/kg wet	167		BRL				50
Di-n-octyl phthalate	BRL	U	µg/kg wet	167		BRL				50
Fluoranthene	BRL	U	µg/kg wet	167		BRL				50
Fluorene	BRL	U	µg/kg wet	167		BRL				50
Hexachlorobenzene	BRL	U	µg/kg wet	167		BRL				50
Hexachlorobutadiene	BRL	U	µg/kg wet	167		BRL				50
Hexachlorocyclopentadiene	BRL	U	µg/kg wet	167		BRL				50
Hexachloroethane	BRL	U	µg/kg wet	167		BRL				50
Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg wet	167		BRL				50
1-Methylnaphthalene	BRL	U	µg/kg wet	167		BRL				50
Isophorone	BRL	U	µg/kg wet	167		BRL				50
2-Methylnaphthalene	BRL	U	µg/kg wet	167		BRL				50
2-Methylphenol	BRL	U	µg/kg wet	167		BRL				50
3,4-Methylphenol	BRL	U	µg/kg wet	167		BRL				50
Naphthalene	BRL	U	µg/kg wet	167		BRL				50
2-Nitroaniline	BRL	U	µg/kg wet	167		BRL				50
3-Nitroaniline	BRL	U	µg/kg wet	167		BRL				50
4-Nitroaniline	BRL	U	µg/kg wet	666		BRL				50
Nitrobenzene	BRL	U	µg/kg wet	167		BRL				50
2-Nitrophenol	BRL	U	µg/kg wet	167		BRL				50
4-Nitrophenol	BRL	U	µg/kg wet	666		BRL				50
N-Nitrosodimethylamine	BRL	U	µg/kg wet	167		BRL				50
N-Nitrosodi-n-propylamine	BRL	U	µg/kg wet	167		BRL				50
N-Nitrosodiphenylamine	BRL	U	µg/kg wet	167		BRL				50
Pentachlorophenol	BRL	U	µg/kg wet	666		BRL				50
Phenanthrene	BRL	U	µg/kg wet	167		BRL				50
Phenol	BRL	U	µg/kg wet	167		BRL				50
Pyrene	BRL	U	µg/kg wet	167		BRL				50
Pyridine	BRL	U	µg/kg wet	167		BRL				50
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	167		BRL				50
2,4,5-Trichlorophenol	BRL	U	µg/kg wet	167		BRL				50
2,4,6-Trichlorophenol	BRL	U	µg/kg wet	167		BRL				50
Surrogate: 2-Fluorobiphenyl	*1330*		µg/kg wet		*1680*		*79*	*30-130*		
Surrogate: 2-Fluorophenol	*1380*		µg/kg wet		*1680*		*82*	*15-110*		
Surrogate: Nitrobenzene-d5	*1270*		µg/kg wet		*1680*		*76*	*30-130*		
Surrogate: Phenol-d5	*1370*		µg/kg wet		*1680*		*82*	*15-110*		
Surrogate: Terphenyl-dl4	*1410*		µg/kg wet		*1680*		*84*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1220*		µg/kg wet		*1680*		*73*	*15-110*		
Matrix Spike (7041775-MS1) **Source: SA61153-20**										
Prepared: 27-Apr-07 Analyzed: 29-Apr-07										
Acenaphthene	2460		µg/kg wet	181	3650	BRL	67	40-140		
4-Chloro-3-methylphenol	4850		µg/kg wet	181	7310	BRL	66	30-130		
2-Chlorophenol	4520		µg/kg wet	181	7310	BRL	62	30-130		
1,4-Dichlorobenzene	2350		µg/kg wet	181	3650	BRL	64	40-140		
2,4-Dinitrotoluene	2750		µg/kg wet	181	3650	BRL	75	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041775 - SW846 3550B										
Matrix Spike (7041775-MS1) **Source: SA61153-20**										
Prepared: 27-Apr-07 Analyzed: 29-Apr-07										
4-Nitrophenol	3240		µg/kg wet	723	7310	BRL	44	30-130		
N-Nitrosodi-n-propylamine	2420		µg/kg wet	181	3650	BRL	66	40-140		
Pentachlorophenol	4890		µg/kg wet	723	7310	BRL	67	30-130		
Phenol	4430		µg/kg wet	181	7310	BRL	61	30-130		
Pyrene	2640		µg/kg wet	181	3650	BRL	72	40-140		
1,2,4-Trichlorobenzene	2300		µg/kg wet	181	3650	BRL	63	40-140		
Surrogate: 2-Fluorobiphenyl	*2720*		µg/kg wet		*3650*		*75*	*30-130*		
Surrogate: 2-Fluorophenol	*2490*		µg/kg wet		*3650*		*68*	*15-110*		
Surrogate: Nitrobenzene-d5	*2780*		µg/kg wet		*3650*		*76*	*30-130*		
Surrogate: Phenol-d5	*2440*		µg/kg wet		*3650*		*67*	*15-110*		
Surrogate: Terphenyl-dl4	*2920*		µg/kg wet		*3650*		*80*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2910*		µg/kg wet		*3650*		*80*	*15-110*		
Matrix Spike Dup (7041775-MSD1) **Source: SA61153-20**										
Prepared: 27-Apr-07 Analyzed: 29-Apr-07										
Acenaphthene	2270		µg/kg wet	176	3560	BRL	64	40-140	5	30
4-Chloro-3-methylphenol	4430		µg/kg wet	176	7120	BRL	62	30-130	6	30
2-Chlorophenol	4170		µg/kg wet	176	7120	BRL	59	30-130	5	30
1,4-Dichlorobenzene	2120		µg/kg wet	176	3560	BRL	60	40-140	6	30
2,4-Dinitrotoluene	2520		µg/kg wet	176	3560	BRL	71	40-140	5	30
4-Nitrophenol	3060		µg/kg wet	705	7120	BRL	43	30-130	2	30
N-Nitrosodi-n-propylamine	2230		µg/kg wet	176	3560	BRL	63	40-140	5	30
Pentachlorophenol	4600		µg/kg wet	705	7120	BRL	65	30-130	3	30
Phenol	4160		µg/kg wet	176	7120	BRL	58	30-130	5	30
Pyrene	2360		µg/kg wet	176	3560	BRL	66	40-140	9	30
1,2,4-Trichlorobenzene	2050		µg/kg wet	176	3560	BRL	58	40-140	8	30
Surrogate: 2-Fluorobiphenyl	*2510*		µg/kg wet		*3560*		*71*	*30-130*		
Surrogate: 2-Fluorophenol	*2300*		µg/kg wet		*3560*		*65*	*15-110*		
Surrogate: Nitrobenzene-d5	*2510*		µg/kg wet		*3560*		*71*	*30-130*		
Surrogate: Phenol-d5	*2280*		µg/kg wet		*3560*		*64*	*15-110*		
Surrogate: Terphenyl-dl4	*2660*		µg/kg wet		*3560*		*75*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2650*		µg/kg wet		*3560*		*74*	*15-110*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041748 - SW846 3050B										
Blank (7041748-BLK1)										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Potassium	BRL	U	mg/kg wet	49.5						
Nickel	BRL	U	mg/kg wet	0.989						
Thallium	BRL	U	mg/kg wet	2.97						
Sodium	6.34	J	mg/kg wet	24.7						
Magnesium	0.282	J	mg/kg wet	4.95						
Vanadium	BRL	U	mg/kg wet	1.48						
Antimony	BRL	U	mg/kg wet	2.97						
Iron	2.06	QB1	mg/kg wet	1.98						
Zinc	0.762	J	mg/kg wet	0.989						
Lead	0.158	J	mg/kg wet	1.48						
Manganese	BRL	U	mg/kg wet	0.989						
Selenium	BRL	U	mg/kg wet	1.48						
Copper	BRL	U	mg/kg wet	0.989						
Silver	BRL	U	mg/kg wet	1.48						
Arsenic	BRL	U	mg/kg wet	1.48						
Chromium	BRL	U	mg/kg wet	0.989						
Aluminum	BRL	U	mg/kg wet	1.98						
Cadmium	BRL	U	mg/kg wet	0.495						
Beryllium	BRL	U	mg/kg wet	0.495						
Cobalt	BRL	U	mg/kg wet	0.989						
Calcium	9.11	J	mg/kg wet	24.7						
Barium	BRL	U	mg/kg wet	0.989						
Duplicate (7041748-DUP1) **Source: SA61161-01**										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Iron	11900		mg/kg dry	2.15		13000			9	35
Sodium	139		mg/kg dry	26.9		127			9	35
Zinc	232		mg/kg dry	1.08		253			9	35
Vanadium	19.0		mg/kg dry	1.62		20.9			10	35
Magnesium	2490		mg/kg dry	5.39		2770			11	35
Nickel	19.2		mg/kg dry	1.08		22.9			18	35
Thallium	BRL	U	mg/kg dry	3.23		BRL				35
Selenium	BRL	U	mg/kg dry	1.62		BRL				35
Lead	346		mg/kg dry	1.62		371			7	35
Manganese	255		mg/kg dry	1.08		281			10	35
Potassium	858		mg/kg dry	53.9		1110			26	35
Antimony	BRL	U	mg/kg dry	3.23		0.642				35
Silver	0.409	J	mg/kg dry	1.62		0.570			33	35
Chromium	14.7		mg/kg dry	1.08		15.8			7	35
Aluminum	7290		mg/kg dry	2.15		8040			10	35
Copper	40.2		mg/kg dry	1.08		41.8			4	35
Cobalt	5.04		mg/kg dry	1.08		5.88			15	35
Cadmium	0.663		mg/kg dry	0.539		0.642			3	35
Calcium	6250		mg/kg dry	26.9		6560			5	35
Arsenic	5.35		mg/kg dry	1.62		5.78			8	35
Beryllium	0.291	J	mg/kg dry	0.539		0.345			17	35
Barium	243		mg/kg dry	1.08		330			30	35
Matrix Spike (7041748-MS1) **Source: SA61159-01**										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Zinc	293		mg/kg dry	0.949	119	200	78	75-125		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041748 - SW846 3050B										
Matrix Spike (7041748-MS1) **Source: SA61159-01**										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Thallium	105		mg/kg dry	2.85	119	BRL	88	75-125		
Manganese	415	QM8	mg/kg dry	0.949	119	260	130	75-125		
Selenium	104		mg/kg dry	1.42	119	BRL	87	75-125		
Iron	14300	QM2	mg/kg dry	1.90	119	12500	NR	75-125		
Vanadium	137		mg/kg dry	1.42	119	19.5	99	75-125		
Lead	398		mg/kg dry	1.42	119	300	82	75-125		
Potassium	3300	QM8	mg/kg dry	47.4	1190	994	194	75-125		
Antimony	57.9	QM8	mg/kg dry	2.85	119	0.369	48	75-125		
Magnesium	3580	QM4X	mg/kg dry	4.74	119	2690	748	75-125		
Nickel	127		mg/kg dry	0.949	119	19.4	90	75-125		
Sodium	767		mg/kg dry	23.7	593	114	110	75-125		
Copper	153		mg/kg dry	0.949	119	33.5	100	75-125		
Aluminum	12200	QM2	mg/kg dry	1.90	119	7500	NR	75-125		
Silver	83.2	QM8	mg/kg dry	1.42	119	0.424	70	75-125		
Chromium	132		mg/kg dry	0.949	119	14.3	99	75-125		
Beryllium	112		mg/kg dry	0.474	119	0.346	94	75-125		
Cadmium	107		mg/kg dry	0.474	119	0.461	90	75-125		
Calcium	8690	QM2	mg/kg dry	23.7	593	6170	425	75-125		
Arsenic	112		mg/kg dry	1.42	119	5.48	90	75-125		
Cobalt	111		mg/kg dry	0.949	119	4.98	89	75-125		
Barium	338	QM7	mg/kg dry	0.949	119	265	61	75-125		
Matrix Spike Dup (7041748-MSD1) **Source: SA61159-01**										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Potassium	3680	QM8	mg/kg dry	50.6	1270	994	211	75-125	11	35
Thallium	112		mg/kg dry	3.04	127	BRL	88	75-125	6	35
Lead	408		mg/kg dry	1.52	127	300	85	75-125	2	35
Vanadium	142		mg/kg dry	1.52	127	19.5	96	75-125	4	35
Magnesium	3510	QM4X	mg/kg dry	5.06	127	2690	646	75-125	2	35
Antimony	67.7	QM8	mg/kg dry	3.04	127	0.369	53	75-125	16	35
Manganese	403		mg/kg dry	1.01	127	260	113	75-125	3	35
Selenium	110		mg/kg dry	1.52	127	BRL	87	75-125	6	35
Iron	12300	QM2	mg/kg dry	2.02	127	12500	NR	75-125	15	35
Zinc	296		mg/kg dry	1.01	127	200	76	75-125	1	35
Sodium	898		mg/kg dry	25.3	633	114	124	75-125	16	35
Nickel	131		mg/kg dry	1.01	127	19.4	88	75-125	3	35
Silver	84.4	QM8	mg/kg dry	1.52	127	0.424	66	75-125	1	35
Copper	160		mg/kg dry	1.01	127	33.5	100	75-125	4	35
Beryllium	135		mg/kg dry	0.506	127	0.346	106	75-125	19	35
Cobalt	118		mg/kg dry	1.01	127	4.98	89	75-125	6	35
Chromium	138		mg/kg dry	1.01	127	14.3	97	75-125	4	35
Calcium	9020	QM2	mg/kg dry	25.3	633	6170	450	75-125	4	35
Arsenic	119		mg/kg dry	1.52	127	5.48	89	75-125	6	35
Cadmium	115		mg/kg dry	0.506	127	0.461	90	75-125	7	35
Aluminum	10900	QM2	mg/kg dry	2.02	127	7500	NR	75-125	11	35
Barium	412		mg/kg dry	1.01	127	265	116	75-125	20	35
Post Spike (7041748-PS1) **Source: SA61159-01**										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Magnesium	2700	QM4X	mg/kg dry	5.10	127	2690	8	80-120		
Potassium	2140		mg/kg dry	51.0	1270	994	90	80-120		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041748 - SW846 3050B										
Post Spike (7041748-PS1) **Source: SA61159-01**										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Iron	13100	QM2	mg/kg dry	2.04	127	12500	472	80-120		
Nickel	134		mg/kg dry	1.02	127	19.4	90	80-120		
Zinc	309		mg/kg dry	1.02	127	200	86	80-120		
Sodium	666		mg/kg dry	25.5	637	114	87	80-120		
Lead	407		mg/kg dry	1.53	127	300	84	80-120		
Antimony	103		mg/kg dry	3.06	127	0.369	81	80-120		
Vanadium	136		mg/kg dry	1.53	127	19.5	92	80-120		
Manganese	385		mg/kg dry	1.02	127	260	98	80-120		
Selenium	112		mg/kg dry	1.53	127	BRL	88	80-120		
Thallium	114		mg/kg dry	3.06	127	BRL	90	80-120		
Chromium	132		mg/kg dry	1.02	127	14.3	93	80-120		
Arsenic	120		mg/kg dry	1.53	127	5.48	90	80-120		
Aluminum	7440	QM2	mg/kg dry	2.04	127	7500	NR	80-120		
Calcium	8310	QM2	mg/kg dry	25.5	637	6170	336	80-120		
Cobalt	118		mg/kg dry	1.02	127	4.98	89	80-120		
Cadmium	115		mg/kg dry	0.510	127	0.461	90	80-120		
Copper	167		mg/kg dry	1.02	127	33.5	105	80-120		
Beryllium	122		mg/kg dry	0.510	127	0.346	96	80-120		
Silver	107		mg/kg dry	1.53	127	0.424	84	80-120		
Reference (7041748-SRM1)										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Manganese	219		mg/kg wet	1.00	194		113	81.5-118.5		
Magnesium	1360		mg/kg wet	5.00	1310		104	78-122		
Sodium	194		mg/kg wet	25.0	193		101	64.1-135.9		
Zinc	54.6		mg/kg wet	1.00	59.2		92	79.1-121.4		
Iron	7220		mg/kg wet	2.00	8450		85	53.2-146.1		
Antimony	13.8		mg/kg wet	3.00	57.2		24	0-210.6		
Nickel	50.5		mg/kg wet	1.00	51.6		98	81-120.6		
Vanadium	61.7		mg/kg wet	1.50	65.3		94	77.1-123.3		
Potassium	1250		mg/kg wet	50.0	1230		102	73.3-126.8		
Lead	59.0		mg/kg wet	1.50	60.7		97	78.4-120.8		
Selenium	66.5		mg/kg wet	1.50	69.8		95	77.5-122.5		
Thallium	81.3		mg/kg wet	3.00	86.0		95	77.6-122.4		
Arsenic	78.0		mg/kg wet	1.50	76.4		102	76.8-123.2		
Cobalt	32.3		mg/kg wet	1.00	34.1		95	81.3-118.7		
Silver	40.5		mg/kg wet	1.50	49.0		83	66.3-133.3		
Calcium	3440		mg/kg wet	25.0	3470		99	80.7-119.3		
Beryllium	52.8		mg/kg wet	0.500	51.6		102	82.1-118.6		
Aluminum	5200		mg/kg wet	2.00	4620		113	52.8-146.9		
Cadmium	45.8		mg/kg wet	0.500	48.2		95	80.1-119.6		
Copper	43.4		mg/kg wet	1.00	42.0		103	78.2-121.7		
Chromium	59.6		mg/kg wet	1.00	60.7		98	80.5-119.2		
Barium	157		mg/kg wet	1.00	138		114	82-118		
Reference (7041748-SRM2)										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Manganese	194		mg/kg wet	1.00	196		99	81.5-118.5		
Potassium	1320		mg/kg wet	50.0	1240		106	73.3-126.8		
Antimony	14.9		mg/kg wet	3.00	57.6		26	0-210.6		
Lead	61.6		mg/kg wet	1.50	61.2		101	78.4-120.8		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041748 - SW846 3050B										
Reference (7041748-SRM2)										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Nickel	53.4		mg/kg wet	1.00	52.0		103	81-120.6		
Vanadium	64.2		mg/kg wet	1.50	65.7		98	77.1-123.3		
Thallium	87.8		mg/kg wet	3.00	86.6		101	77.6-122.4		
Magnesium	1440		mg/kg wet	5.00	1320		109	78-122		
Zinc	58.2		mg/kg wet	1.00	59.6		98	79.1-121.4		
Selenium	69.9		mg/kg wet	1.50	70.3		99	77.5-122.5		
Sodium	204		mg/kg wet	25.0	195		105	64.1-135.9		
Iron	7620		mg/kg wet	2.00	8510		90	53.2-146.1		
Silver	40.8		mg/kg wet	1.50	49.3		83	66.3-133.3		
Chromium	61.8		mg/kg wet	1.00	61.2		101	80.5-119.2		
Aluminum	5600		mg/kg wet	2.00	4650		120	52.8-146.9		
Copper	44.6		mg/kg wet	1.00	42.3		105	78.2-121.7		
Cobalt	34.5		mg/kg wet	1.00	34.3		101	81.3-118.7		
Cadmium	49.2		mg/kg wet	0.500	48.6		101	80.1-119.6		
Beryllium	54.6		mg/kg wet	0.500	52.0		105	82.1-118.6		
Arsenic	80.2		mg/kg wet	1.50	76.9		104	76.8-123.2		
Calcium	3520		mg/kg wet	25.0	3490		101	80.7-119.3		
Barium	147		mg/kg wet	1.00	139		106	82-118		
Batch 7041749 - EPA200/SW7000 Series										
Blank (7041749-BLK1)										
Prepared: 26-Apr-07 Analyzed: 30-Apr-07										
Mercury	BRL	U	mg/kg wet	0.0290						
Duplicate (7041749-DUP1) **Source: SA61159-01**										
Prepared: 26-Apr-07 Analyzed: 30-Apr-07										
Mercury	0.633		mg/kg dry	0.0323		0.743			16	20
Matrix Spike (7041749-MS1) **Source: SA61161-01**										
Prepared: 26-Apr-07 Analyzed: 30-Apr-07										
Mercury	1.13		mg/kg dry	0.0325	0.452	0.684	99	75-125		
Matrix Spike Dup (7041749-MSD1) **Source: SA61161-01**										
Prepared: 26-Apr-07 Analyzed: 30-Apr-07										
Mercury	1.21		mg/kg dry	0.0334	0.463	0.684	114	75-125	7	35
Post Spike (7041749-PS1) **Source: SA61161-01**										
Prepared: 26-Apr-07 Analyzed: 30-Apr-07										
Mercury	1.30	QC1	mg/kg dry	0.0331	0.460	0.684	134	85-115		
Reference (7041749-SRM1)										
Prepared: 26-Apr-07 Analyzed: 30-Apr-07										
Mercury	1.56		mg/kg wet	0.0300	1.47		106	66-132.6		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041787 - SW846 9010										
Blank (7041787-BLK1)										
Prepared & Analyzed: 27-Apr-07										
Cyanide (total)	BRL	U	mg/kg wet	1.00						
LCS (7041787-BS1)										
Prepared & Analyzed: 27-Apr-07										
Cyanide (total)	29.5		mg/kg wet	1.00	30.0		98	90-110		
LCS (7041787-BS2)										
Prepared & Analyzed: 27-Apr-07										
Cyanide (total)	76.8		mg/kg wet	1.00	80.0		96	90-110		
Duplicate (7041787-DUP1) **Source: SA61162-01**										
Prepared & Analyzed: 27-Apr-07										
Cyanide (total)	BRL	U	mg/kg dry	1.08		BRL				35
Matrix Spike (7041787-MS1) **Source: SA61162-01**										
Prepared & Analyzed: 27-Apr-07										
Cyanide (total)	11.2		mg/kg dry	1.02	10.2	BRL	110	75-125		
Matrix Spike Dup (7041787-MSD1) **Source: SA61162-01**										
Prepared & Analyzed: 27-Apr-07										
Cyanide (total)	11.8		mg/kg dry	1.05	10.5	BRL	112	75-125	5	35
Reference (7041787-SRM1)										
Prepared & Analyzed: 27-Apr-07										
Cyanide (total)	187		mg/kg wet	4.12	240		78	40-160		
Batch 7041875 - General Preparation										
Duplicate (7041875-DUP1) **Source: SA61152-03**										
Prepared & Analyzed: 28-Apr-07										
% Solids	84.3		%			83.7			0.7	20

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
O01	This compound is a common laboratory contaminant.
QB1	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
QC1	Analyte out of acceptance range.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
QM4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
U	Analyte included in the analysis, but not detected
vex1	Lab extracted
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

Report Date:
30-Apr-07 17:42

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: 166 Myrtle Ave - Brooklyn, NY
Project 5762901

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA61010-01	LEG23-0-2	Soil	23-Apr-07 12:30	24-Apr-07 10:10
SA61010-02	LEG23-20-25	Soil	23-Apr-07 13:30	24-Apr-07 10:10
SA61010-03	LEG23-GW	Ground Water	23-Apr-07 15:45	24-Apr-07 10:10
SA61010-04	LEG23-0-25	Soil	23-Apr-07 14:30	24-Apr-07 10:10
SA61010-05	LEG18-0-4	Soil	23-Apr-07 09:00	24-Apr-07 10:10
SA61010-06	LEG18-20-23	Soil	23-Apr-07 13:30	24-Apr-07 10:10
SA61010-07	Dup1	Soil	23-Apr-07 00:00	24-Apr-07 10:10
SA61010-08	TB	Ground Water	23-Apr-07 00:00	24-Apr-07 10:10

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 82 pages of analytical data plus Chain of Custody document(s).
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Maine # MA138
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New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG23-0-2 SA61010-01	5762901	Soil	23-Apr-07 12:30	24-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A			1	VOC	24-Apr-07	24-Apr-07	7041551	BD
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	6.5	2.7	1	SW 846 8260B	26-Apr-07	26-Apr-07	7041689	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	130	56.9	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.5	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	64.9	4.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	32.5	0.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.5	0.8	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	13.0	1.4	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.5	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.5	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.5	1.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.5	0.9	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.5	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.5	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.5	0.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	64.9	0.7	1	"	"	"	"	"
75-09-2	Methylene chloride	5.6	O01, J	µg/kg dry	64.9	3.1	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.5	1.0	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	6.5	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.5	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.5	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.5	0.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.5	0.7	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.5	0.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	13.0	1.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.5	1.2	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*100*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*105*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*70*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
309-00-2	Aldrin	BRL	U	µg/kg dry	17.8	0.149	1	SW846 8081A	24-Apr-07	26-Apr-07	7041538	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	17.8	0.284	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	17.8	0.290	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	17.8	0.220	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	17.8	0.200	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	88.9	0.991	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	17.8	0.414	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	17.8	0.412	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG23-0-2 SA61010-01	5762901	Soil	23-Apr-07 12:30	24-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	17.8	0.379	1	SW846 8081A	24-Apr-07	26-Apr-07	7041538	TG
60-57-1	Dieldrin	BRL	U	µg/kg dry	17.8	0.269	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	17.8	0.728	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	17.8	0.639	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	17.8	0.464	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	17.8	0.607	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	17.8	0.479	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	17.8	0.182	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	17.8	0.270	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	17.8	0.270	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	17.8	0.672	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	17.8	1.19	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*68*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	3.56	0.224	1	SW846 8082	24-Apr-07	25-Apr-07	7041539	MP
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	3.56	0.224	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	3.56	0.522	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	3.56	0.448	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	3.56	0.535	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	3.56	0.162	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	3.56	0.187	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	3.56	0.0298	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	3.56	0.0143	1	"	"	"	"	"
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*		*30-150 %*				"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	25-Apr-07	26-Apr-07	7041562	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*64*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	507	12.3	1	SW846 8270C	25-Apr-07	27-Apr-07	7041565	M.B
208-96-8	Acenaphthylene	72.7	J	µg/kg dry	507	15.4	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	507	39.0	1	"	"	"	"	"
120-12-7	Anthracene	79.8	J	µg/kg dry	507	15.4	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	343	J	µg/kg dry	507	32.7	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	502	J	µg/kg dry	507	17.3	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	480	J	µg/kg dry	507	67.6	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	250	J	µg/kg dry	507	14.3	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	478	J	µg/kg dry	507	20.4	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	507	9.21	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG23-0-2 SA61010-01	5762901	Soil	23-Apr-07 12:30	24-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	507	97.3	1	SW846 8270C	25-Apr-07	27-Apr-07	7041565	M.B
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	507	58.3	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	507	18.4	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	507	49.1	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	507	10.2	1	"	"	"	"	"
218-01-9	Chrysene	419	J	µg/kg dry	507	7.22	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	62.4	J	µg/kg dry	507	8.14	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	507	6.14	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	507	36.8	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	507	13.4	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	507	16.4	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	507	14.3	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	507	13.4	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	507	31.8	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	507	12.3	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	507	24.6	1	"	"	"	"	"
206-44-0	Fluoranthene	321	J	µg/kg dry	507	12.3	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	507	12.3	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	507	37.9	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	244	J	µg/kg dry	507	23.5	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	507	30.7	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	507	11.2	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	507	21.5	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	507	12.3	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	507	19.5	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	507	6.14	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	507	17.3	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	507	18.4	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	507	23.5	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	2030	26.6	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	2030	32.7	1	"	"	"	"	"
85-01-8	Phenanthrene	199	J	µg/kg dry	507	23.5	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	507	10.2	1	"	"	"	"	"
129-00-0	Pyrene	619		µg/kg dry	507	35.9	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	507	10.2	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*83*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*33*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*71*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*64*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*101*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*11*	SGC	*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.64	0.382	1	SW846 6010B	25-Apr-07	26-Apr-07	7041594	LR
7429-90-5	Aluminum	5,090		mg/kg dry	2.19	1.37	1	"	"	"	"	"
7440-38-2	Arsenic	1.69		mg/kg dry	1.64	0.251	1	"	"	"	"	"
7440-39-3	Barium	42.8		mg/kg dry	1.09	0.184	1	"	"	"	"	"
7440-41-7	Beryllium	0.197	J	mg/kg dry	0.546	0.121	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG23-0-2 SA61010-01	5762901	Soil	23-Apr-07 12:30	24-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-70-2	Calcium	8,940		mg/kg dry	27.3	4.38	1	SW846 6010B	25-Apr-07	26-Apr-07	7041594	LR
7440-43-9	Cadmium	0.0983	J	mg/kg dry	0.546	0.0186	1	"	"	"	"	"
7440-48-4	Cobalt	4.48		mg/kg dry	1.09	0.0470	1	"	"	"	"	"
7440-47-3	Chromium	9.61		mg/kg dry	1.09	0.316	1	"	"	"	"	"
7440-50-8	Copper	14.1		mg/kg dry	1.09	0.212	1	"	"	"	"	"
7439-89-6	Iron	8,590		mg/kg dry	2.19	0.550	1	"	"	"	"	"
7439-97-6	Mercury	0.0521		mg/kg dry	0.0324	0.0077	1	SW846 7471A	"	27-Apr-07	7041595	BT
7440-09-7	Potassium	1,040		mg/kg dry	54.6	19.1	1	SW846 6010B	"	26-Apr-07	7041594	LR
7439-95-4	Magnesium	3,410		mg/kg dry	5.46	0.162	1	"	"	"	"	"
7439-96-5	Manganese	283		mg/kg dry	1.09	0.306	1	"	"	"	"	"
7440-23-5	Sodium	238		mg/kg dry	27.3	6.35	1	"	"	"	"	"
7440-02-0	Nickel	17.8		mg/kg dry	1.09	0.107	1	"	"	"	"	"
7439-92-1	Lead	19.4		mg/kg dry	1.64	0.170	1	"	"	"	"	"
7440-36-0	Antimony	0.650	J	mg/kg dry	3.28	0.399	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.64	0.353	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	3.28	0.512	1	"	"	"	"	"
7440-62-2	Vanadium	15.0		mg/kg dry	1.64	0.811	1	"	"	"	"	"
7440-66-6	Zinc	29.3		mg/kg dry	1.09	0.399	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	91.1		%			1	SM2540 G Mod.	26-Apr-07	26-Apr-07	7041690	YM

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG23-20-25	5762901	Soil	23-Apr-07 13:30	24-Apr-07
SA61010-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A			1	VOC	24-Apr-07	24-Apr-07	7041551	BD
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	4.7	1.9	1	SW 846 8260B	26-Apr-07	26-Apr-07	7041689	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	94.9	41.6	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	4.7	0.5	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	4.7	0.4	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	47.5	3.4	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	23.7	0.4	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	4.7	0.5	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	4.7	0.6	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	9.5	1.0	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	4.7	0.4	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	4.7	0.7	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	4.7	1.1	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	4.7	0.5	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	4.7	0.7	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	4.7	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	4.7	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	4.7	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	4.7	0.5	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	4.7	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	4.7	0.6	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	47.5	0.5	1	"	"	"	"	"
75-09-2	Methylene chloride	4.7	O01, J	µg/kg dry	47.5	2.3	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	4.7	0.8	1	"	"	"	"	"
127-18-4	Tetrachloroethene	14.4		µg/kg dry	4.7	0.3	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	4.7	0.8	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	4.7	0.4	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	4.7	0.6	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	4.7	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	4.7	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	4.7	0.6	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	9.5	1.1	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	4.7	0.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*101*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*106*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*113*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
309-00-2	Aldrin	BRL	U	µg/kg dry	17.3	0.145	1	SW846 8081A	24-Apr-07	26-Apr-07	7041538	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	17.3	0.275	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	17.3	0.281	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	17.3	0.214	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	17.3	0.194	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	86.3	0.962	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	17.3	0.402	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	17.3	0.400	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG23-20-25	5762901	Soil	23-Apr-07 13:30	24-Apr-07
SA61010-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	17.3	0.368	1	SW846 8081A	24-Apr-07	26-Apr-07	7041538	TG
60-57-1	Dieldrin	BRL	U	µg/kg dry	17.3	0.261	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	17.3	0.706	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	17.3	0.621	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	17.3	0.450	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	17.3	0.589	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	17.3	0.465	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	17.3	0.176	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	17.3	0.262	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	17.3	0.262	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	17.3	0.652	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	17.3	1.16	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*63*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*88*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	3.45	0.217	1	SW846 8082	24-Apr-07	25-Apr-07	7041539	MP
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	3.45	0.217	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	3.45	0.507	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	3.45	0.435	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	3.45	0.519	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	3.45	0.157	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	3.45	0.181	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	3.45	0.0290	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	3.45	0.0139	1	"	"	"	"	"
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*		*30-150 %*				"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	25-Apr-07	26-Apr-07	7041562	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*58*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	240	5.81	1	SW846 8270C	25-Apr-07	27-Apr-07	7041565	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	240	7.26	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	240	18.4	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/kg dry	240	7.26	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/kg dry	240	15.5	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/kg dry	240	8.21	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/kg dry	240	32.0	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/kg dry	240	6.75	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/kg dry	240	9.66	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	240	4.36	1	"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG23-20-25 SA61010-02	5762901	Soil	23-Apr-07 13:30	24-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	240	46.0	1	SW846 8270C	25-Apr-07	27-Apr-07	7041565	M.B
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	240	27.6	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	240	8.71	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	240	23.2	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	240	4.84	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/kg dry	240	3.41	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	240	3.85	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	240	2.90	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	240	17.4	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	240	6.32	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	240	7.77	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	240	6.75	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	240	6.32	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	240	15.0	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	240	5.81	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	240	11.6	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/kg dry	240	5.81	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	240	5.81	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	240	17.9	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	240	11.1	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	240	14.5	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	240	5.30	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	240	10.2	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	240	5.81	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	240	9.22	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	240	2.90	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	240	8.21	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	240	8.71	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	240	11.1	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	959	12.6	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	959	15.5	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/kg dry	240	11.1	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	240	4.84	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/kg dry	240	17.0	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	240	4.84	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*79*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*80*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*75*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*78*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*88*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*68*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.60	0.372	1	SW846 6010B	25-Apr-07	26-Apr-07	7041594	LR
7429-90-5	Aluminum	4,100		mg/kg dry	2.13	1.33	1	"	"	"	"	"
7440-38-2	Arsenic	1.29	J	mg/kg dry	1.60	0.245	1	"	"	"	"	"
7440-39-3	Barium	37.0		mg/kg dry	1.06	0.179	1	"	"	"	"	"
7440-41-7	Beryllium	0.202	J	mg/kg dry	0.532	0.118	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG23-20-25 SA61010-02	5762901	Soil	23-Apr-07 13:30	24-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-70-2	Calcium	3,120		mg/kg dry	26.6	4.27	1	SW846 6010B	25-Apr-07	26-Apr-07	7041594	LR
7440-43-9	Cadmium	0.112	J	mg/kg dry	0.532	0.0181	1	"	"	"	"	"
7440-48-4	Cobalt	3.88		mg/kg dry	1.06	0.0457	1	"	"	"	"	"
7440-47-3	Chromium	13.1		mg/kg dry	1.06	0.307	1	"	"	"	"	"
7440-50-8	Copper	12.5		mg/kg dry	1.06	0.206	1	"	"	"	"	"
7439-89-6	Iron	9,510		mg/kg dry	2.13	0.535	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/kg dry	0.0321	0.0077	1	SW846 7471A	"	27-Apr-07	7041595	BT
7440-09-7	Potassium	944		mg/kg dry	53.2	18.6	1	SW846 6010B	"	26-Apr-07	7041594	LR
7439-95-4	Magnesium	3,170		mg/kg dry	5.32	0.157	1	"	"	"	"	"
7439-96-5	Manganese	237		mg/kg dry	1.06	0.298	1	"	"	"	"	"
7440-23-5	Sodium	276		mg/kg dry	26.6	6.18	1	"	"	"	"	"
7440-02-0	Nickel	20.6		mg/kg dry	1.06	0.104	1	"	"	"	"	"
7439-92-1	Lead	4.14		mg/kg dry	1.60	0.166	1	"	"	"	"	"
7440-36-0	Antimony	0.468	J	mg/kg dry	3.19	0.388	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.60	0.344	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	3.19	0.499	1	"	"	"	"	"
7440-62-2	Vanadium	14.2		mg/kg dry	1.60	0.789	1	"	"	"	"	"
7440-66-6	Zinc	24.3		mg/kg dry	1.06	0.388	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	93.0		%			1	SM2540 G Mod.	26-Apr-07	26-Apr-07	7041690	YM

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG23-GW SA61010-03	5762901	Ground Water	23-Apr-07 15:45	24-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	26-Apr-07	26-Apr-07	7041707	EK
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	3.4		µg/l	1.0	0.8	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	81.3		µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-01-6	Trichloroethene	6.6		µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*99*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*98*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*100*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*100*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3510C												
12674-11-2	Aroclor-1016	BRL	U	µg/l	0.250	0.0813	1	SW846 8082	25-Apr-07	25-Apr-07	7041558	MP
11104-28-2	Aroclor-1221	BRL	U	µg/l	0.250	0.0788	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/l	0.250	0.190	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/l	0.250	0.164	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/l	0.250	0.193	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/l	0.250	0.0580	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/l	0.250	0.0671	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/l	0.250	0.0300	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/l	0.250	0.145	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG23-GW SA61010-03	5762901	Ground Water	23-Apr-07 15:45	24-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3510C												
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*		*30-150 %*				SW846 8082	25-Apr-07	25-Apr-07	7041558	MP
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL	U	µg/l	6.06	0.145	1	SW846 8270C	25-Apr-07	26-Apr-07	7041557	M.B
208-96-8	Acenaphthylene	BRL	U	µg/l	6.06	0.182	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/l	6.06	0.461	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	6.06	0.182	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	6.06	0.388	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	6.06	0.206	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	6.06	0.800	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	6.06	0.170	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	6.06	0.242	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/l	6.06	0.109	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	6.06	1.15	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/l	6.06	0.691	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/l	6.06	0.218	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/l	6.06	0.582	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/l	6.06	0.121	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	6.06	0.0848	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	6.06	0.0970	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/l	6.06	0.0727	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/l	6.06	0.436	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/l	6.06	0.158	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/l	6.06	0.194	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/l	6.06	0.170	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/l	6.06	0.158	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/l	6.06	0.376	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/l	6.06	0.145	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/l	6.06	0.291	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	6.06	0.145	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	6.06	0.145	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	6.06	0.448	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	6.06	0.279	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/l	6.06	0.364	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	6.06	0.133	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	6.06	0.255	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	12.1	0.291	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	6.06	0.230	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/l	6.06	0.0727	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/l	6.06	0.206	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	6.06	0.218	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/l	6.06	0.279	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/l	24.2	0.315	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	24.2	0.388	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	6.06	0.279	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/l	6.06	0.121	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG23-GW SA61010-03	5762901	Ground Water	23-Apr-07 15:45	24-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
129-00-0	Pyrene	BRL	U	µg/l	6.06	0.424	1	SW846 8270C	25-Apr-07	26-Apr-07	7041557	M.B
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	6.06	0.121	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*76*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*80*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*70*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*76*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*81*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*68*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	0.0026	J	mg/l	0.0050	0.0020	1	SW846 6010B	26-Apr-07	26-Apr-07	7041631	LR
7429-90-5	Aluminum	4.11		mg/l	0.0150	0.0055	1	"	"	"	"	"
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0025	1	"	"	"	"	"
7440-39-3	Barium	0.154		mg/l	0.0050	0.0020	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0010	1	"	"	"	"	"
7440-70-2	Calcium	102		mg/l	0.100	0.0455	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-48-4	Cobalt	0.0048	J	mg/l	0.0050	0.0015	1	"	"	"	"	"
7440-47-3	Chromium	0.0154		mg/l	0.0050	0.0025	1	"	"	"	"	"
7440-50-8	Copper	0.0134		mg/l	0.0050	0.0015	1	"	"	"	"	"
7439-89-6	Iron	8.70		mg/l	0.0150	0.0075	1	"	"	"	"	"
7440-09-7	Potassium	10.6		mg/l	0.500	0.142	1	"	"	"	"	"
7439-95-4	Magnesium	34.5		mg/l	0.0100	0.0024	1	"	"	"	"	"
7439-96-5	Manganese	0.534		mg/l	0.0010	0.0005	1	"	"	"	"	"
7440-23-5	Sodium	52.5		mg/l	0.250	0.0600	1	"	"	"	"	"
7440-02-0	Nickel	0.0162		mg/l	0.0050	0.0005	1	"	"	"	"	"
7439-92-1	Lead	0.0102		mg/l	0.0075	0.0025	1	"	"	"	"	"
7440-36-0	Antimony	BRL	U	mg/l	0.0060	0.0035	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0050	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/l	0.0050	0.0015	1	"	"	"	"	"
7440-62-2	Vanadium	0.0123		mg/l	0.0050	0.0035	1	"	"	"	"	"
7440-66-6	Zinc	0.0417		mg/l	0.0050	0.0005	1	"	"	"	"	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00008	1	EPA 245.1/7470A	26-Apr-07	27-Apr-07	7041632	BT

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG23-0-25 SA61010-04	5762901	Soil	23-Apr-07 14:30	24-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	TCLP Extraction	0.00		N/A			1	SW846 1311	25-Apr-07	25-Apr-07	7041660	BD
TCLP Volatile Organic Compounds by 8260B (TCL)												
Prepared by method SW846 5030 Water MS												
71-43-2	Benzene	BRL	U	µg/l	5.00	2.85	5	SW846 1311/8260B	26-Apr-07	26-Apr-07	7041696	jro
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	50.0	12.2	5	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	5.00	2.90	5	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	5.00	2.60	5	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	5.00	4.00	5	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	5.00	2.10	5	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	5.00	2.95	5	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	5.00	2.55	5	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	5.00	3.20	5	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	5.00	2.30	5	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	5.00	4.30	5	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*97*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*91*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*82*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*88*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
	TCLP Extraction	Completed		N/A			1	SW846 1311	25-Apr-07	25-Apr-07	7041658	BD
TCLP Pesticides by SW846 1311/8081A												
Prepared by method SW846 3535												
57-74-9	Chlordane	BRL	U	µg/l	0.400	0.064	1	SW846 1311/8081A	26-Apr-07	26-Apr-07	7041668	TG
72-20-8	Endrin	BRL	U	µg/l	0.080	0.040	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/l	0.080	0.032	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/l	0.080	0.012	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/l	0.400	0.128	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
60-57-1	Dieldrin	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*69*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*		*30-150 %*				"	"	"	"	"
TCLP Polychlorinated Biphenyls by SW846 1311/8082												
Prepared by method SW846 3535												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	0.173	0.0562	1	SW846 1311/8082	26-Apr-07	26-Apr-07	7041669	MP
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	0.173	0.0545	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	0.173	0.132	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	0.173	0.113	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	0.173	0.134	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	0.173	0.0401	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	0.173	0.0464	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	0.173	0.0208	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	0.173	0.100	1	"	"	"	"	"
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*		*30-150 %*				"	"	"	"	"

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG23-0-25	5762901	Soil	23-Apr-07 14:30	24-Apr-07
SA61010-04				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
TCLP Polychlorinated Biphenyls by SW846 1311/8082												
Prepared by method SW846 3535												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*				SW846 1311/808	26-Apr-07	26-Apr-07	7041669	MP
TCLP Herbicides by SW846 1311/8151A												
Prepared by method SW846 3535												
94-75-7	2,4-D	BRL	U	µg/l	0.100	0.0190	1	SW846 1311/8151A	26-Apr-07	26-Apr-07	7041671	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/l	0.100	0.0170	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
	TCLP Extraction	Completed		N/A			1	SW846 1311	25-Apr-07	25-Apr-07	7041658	BD
TCLP Semivolatiles by SW846 1311/8270C (TCL)												
Prepared by method SW846 3535												
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	5.00	0.220	1	SW846 1311/8270C	26-Apr-07	27-Apr-07	7041670	M.B
121-14-2	2,4-Dinitrotoluene	BRL	U	µg/l	5.00	0.210	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	5.00	0.370	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	5.00	0.560	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL	U	µg/l	5.00	0.510	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.00	0.210	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	10.0	0.240	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	5.00	0.180	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	5.00	0.320	1	"	"	"	"	"
110-86-1	Pyridine	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*71*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*73*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*71*		*30-130 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*76*		*30-130 %*				"	"	"	"	"
TCLP Metals by EPA 1311 & 6000/7000 Series Methods												
	TCLP Extraction	Completed		N/A			1	SW846 1311	25-Apr-07	25-Apr-07	7041656	BD
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0020	1	SW846 1311/6010B	26-Apr-07	26-Apr-07	7041682	HB
7440-38-2	Arsenic	BRL	U	mg/l	0.0100	0.0025	1	"	"	"	"	"
7440-39-3	Barium	0.477		mg/l	0.0050	0.0020	1	"	"	"	"	"
7440-43-9	Cadmium	0.0002	J	mg/l	0.0040	0.0002	1	"	"	"	"	"
7440-47-3	Chromium	0.0056	J	mg/l	0.0075	0.0025	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00008	1	SW846 1311/7470A	"	27-Apr-07	7041683	BT
7439-92-1	Lead	0.0038	J	mg/l	0.0075	0.0025	1	SW846 1311/6010B	"	26-Apr-07	7041682	HB
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0050	1	"	"	"	"	"
Toxicity Characteristics												
	Ignitability by Definition	Negative	U	N/A			1	SW846 1030	26-Apr-07	26-Apr-07	7041735	YM
	pH	9.25		pH Units			1	SW846 9045C	24-Apr-07 11:15	24-Apr-07	7041510	"
Reactivity Cyanide/Sulfide												
Prepared by method General Preparation												

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* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG23-0-25 SA61010-04	5762901	Soil	23-Apr-07 14:30	24-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Toxicity Characteristics												
Reactivity Cyanide/Sulfide												
Prepared by method General Preparation												
	Reactivity	Negative	U	mg/kg dry			1	SW846 Ch. 7.3	26-Apr-07	26-Apr-07	7041733	YM
	Reactive Cyanide	BRL	U	mg/kg dry	25.0	2.50	1	"	"	"	"	"
	Reactive Sulfide	BRL	U	mg/kg dry	49.9	4.99	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	92.5		%			1	SM2540 G Mod.	26-Apr-07	26-Apr-07	7041690	YM
1854-029-9	Hexavalent Chromium	0.617	J	mg/kg dry	1.03	0.296	1	+SW846 7196A	24-Apr-07	24-Apr-07	7041659	QP

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG18-0-4 SA61010-05	5762901	Soil	23-Apr-07 09:00	24-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	TCLP Extraction	0.00		N/A			1	SW846 1311	25-Apr-07	25-Apr-07	7041660	BD
	VOC Extraction	Lab extracted		N/A			1	VOC	24-Apr-07	24-Apr-07	7041551	"
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	6.9	2.8	1	SW 846 8260B	26-Apr-07	26-Apr-07	7041689	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	138	60.4	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.9	0.8	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	6.9	0.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	68.9	4.9	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	34.5	0.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.9	0.7	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.9	0.9	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	13.8	1.5	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.9	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.9	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.9	1.6	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.9	0.7	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.9	1.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.9	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.9	0.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.9	0.6	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.9	0.7	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.9	0.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.9	0.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	68.9	0.8	1	"	"	"	"	"
75-09-2	Methylene chloride	5.1	O01, J	µg/kg dry	68.9	3.3	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.9	1.1	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	6.9	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.9	1.1	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.9	0.6	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.9	0.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.9	0.8	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.9	0.7	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.9	0.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	13.8	1.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.9	1.2	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*96*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*108*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*114*		*70-130 %*				"	"	"	"	"
TCLP Volatile Organic Compounds by 8260B (TCL)												
Prepared by method SW846 5030 Water MS												
71-43-2	Benzene	BRL	U	µg/l	5.00	2.85	5	SW846 1311/8260B	26-Apr-07	26-Apr-07	7041696	jro
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	50.0	12.2	5	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	5.00	2.90	5	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	5.00	2.60	5	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	5.00	4.00	5	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	5.00	2.10	5	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	5.00	2.95	5	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	5.00	2.55	5	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG18-0-4 SA61010-05	5762901	Soil	23-Apr-07 09:00	24-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
TCLP Volatile Organic Compounds by 8260B (TCL)												
Prepared by method SW846 5030 Water MS												
108-88-3	Toluene	BRL	U	µg/l	5.00	3.20	5	SW846 1311/8260B	26-Apr-07	26-Apr-07	7041696	jro
79-01-6	Trichloroethene	BRL	U	µg/l	5.00	2.30	5	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	5.00	4.30	5	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*95*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*92*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*84*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*92*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
	TCLP Extraction	Completed		N/A			1	SW846 1311	25-Apr-07	25-Apr-07	7041658	BD
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
309-00-2	Aldrin	BRL	U	µg/kg dry	20.2	0.170	1	SW846 8081A	24-Apr-07	26-Apr-07	7041538	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	20.2	0.322	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	20.2	0.329	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	20.2	0.250	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	20.2	0.228	1	"	"	"	"	"
57-74-9	Chlordane	418		µg/kg dry	101	1.13	1	"	"	27-Apr-07	"	"
72-54-8	4,4'-DDD (p,p')	13.2	J	µg/kg dry	20.2	0.471	1	"	"	26-Apr-07	"	"
72-55-9	4,4'-DDE (p,p')	60.9		µg/kg dry	20.2	0.468	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	209		µg/kg dry	20.2	0.431	1	"	"	"	"	"
60-57-1	Dieldrin	23.9		µg/kg dry	20.2	0.305	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	20.2	0.827	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	20.2	0.727	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	20.2	0.527	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	20.2	0.690	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	20.2	0.544	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	20.2	0.206	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	20.2	0.307	1	"	"	"	"	"
5103-71-9	a-Chlordane	132		µg/kg dry	20.2	0.307	1	"	"	"	"	"
5566-34-7	g-Chlordane	63.8		µg/kg dry	20.2	0.764	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	20.2	1.36	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*71*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*148*		*30-150 %*				"	"	"	"	"
TCLP Pesticides by SW846 1311/8081A												
Prepared by method SW846 3535												
57-74-9	Chlordane	0.264	J	µg/l	0.400	0.064	1	SW846 1311/8081A	26-Apr-07	27-Apr-07	7041668	"
72-20-8	Endrin	BRL	U	µg/l	0.080	0.040	1	"	"	26-Apr-07	"	"
76-44-8	Heptachlor	BRL	U	µg/l	0.080	0.032	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/l	0.080	0.012	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/l	0.400	0.128	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
60-57-1	Dieldrin	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG18-0-4	5762901	Soil	23-Apr-07 09:00	24-Apr-07
SA61010-05				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
TCLP Pesticides by SW846 1311/8081A												
Prepared by method SW846 3535												
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*51*		*30-150 %*				SW846 1311/8081A	26-Apr-07	26-Apr-07	7041668	TG
2051-24-3	*Decachlorobiphenyl (Sr)*	*76*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	4.04	0.255	1	SW846 8082	24-Apr-07	25-Apr-07	7041539	MP
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	4.04	0.255	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	4.04	0.594	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	4.04	0.509	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	4.04	0.608	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	4.04	0.184	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	4.04	0.212	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	4.04	0.0339	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	4.04	0.0163	1	"	"	"	"	"
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*		*30-150 %*				"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*		*30-150 %*				"	"	"	"	"
TCLP Polychlorinated Biphenyls by SW846 1311/8082												
Prepared by method SW846 3535												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	0.191	0.0622	1	SW846 1311/808	26-Apr-07	26-Apr-07	7041669	"
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	0.191	0.0603	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	0.191	0.146	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	0.191	0.125	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	0.191	0.148	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	0.191	0.0444	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	0.191	0.0514	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	0.191	0.0230	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	0.191	0.111	1	"	"	"	"	"
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*		*30-150 %*				"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*40*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	25-Apr-07	26-Apr-07	7041562	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*64*		*30-150 %*				"	"	"	"	"
TCLP Herbicides by SW846 1311/8151A												
Prepared by method SW846 3535												
94-75-7	2,4-D	BRL	U	µg/l	0.100	0.0190	1	SW846 1311/8151A	26-Apr-07	26-Apr-07	7041671	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/l	0.100	0.0170	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
	TCLP Extraction	Completed		N/A			1	SW846 1311	25-Apr-07	25-Apr-07	7041658	BD

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG18-0-4 SA61010-05	5762901	Soil	23-Apr-07 09:00	24-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	563	13.7	1	SW846 8270C	25-Apr-07	27-Apr-07	7041565	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	563	17.1	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	563	43.4	1	"	"	"	"	"
120-12-7	Anthracene	153	J	µg/kg dry	563	17.1	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	497	J	µg/kg dry	563	36.4	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	410	J	µg/kg dry	563	19.3	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	342	J	µg/kg dry	563	75.1	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	208	J	µg/kg dry	563	15.9	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	382	J	µg/kg dry	563	22.7	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	563	10.2	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	563	108	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	563	64.9	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	563	20.5	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	563	54.6	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	563	11.4	1	"	"	"	"	"
218-01-9	Chrysene	518	J	µg/kg dry	563	8.03	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	563	9.05	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	563	6.83	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	563	41.0	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	563	14.9	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	563	18.3	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	563	15.9	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	563	14.9	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	563	35.3	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	563	13.7	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	563	27.3	1	"	"	"	"	"
206-44-0	Fluoranthene	1,050		µg/kg dry	563	13.7	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	563	13.7	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	563	42.2	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	199	J	µg/kg dry	563	26.1	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	563	34.2	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	563	12.5	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	563	23.9	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	563	13.7	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	563	21.7	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	563	6.83	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	563	19.3	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	563	20.5	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	563	26.1	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	2250	29.5	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	2250	36.4	1	"	"	"	"	"
85-01-8	Phenanthrene	772		µg/kg dry	563	26.1	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	563	11.4	1	"	"	"	"	"
129-00-0	Pyrene	1,150		µg/kg dry	563	40.0	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	563	11.4	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*68*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*67*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*58*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*64*		*15-110 %*				"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG18-0-4 SA61010-05	5762901	Soil	23-Apr-07 09:00	24-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
1718-51-0	*Terphenyl-dl4*	*79*		*30-130 %*				SW846 8270C	25-Apr-07	27-Apr-07	7041565	M.B
118-79-6	*2,4,6-Tribromophenol*	*57*		*15-110 %*				"	"	"	"	"
TCLP Semivolatiles by SW846 1311/8270C (TCL)												
Prepared by method SW846 3535												
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	5.00	0.220	1	SW846 1311/8270C	26-Apr-07	27-Apr-07	7041670	"
121-14-2	2,4-Dinitrotoluene	BRL	U	µg/l	5.00	0.210	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	5.00	0.370	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	5.00	0.560	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL	U	µg/l	5.00	0.510	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.00	0.210	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	10.0	0.240	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	5.00	0.180	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	5.00	0.320	1	"	"	"	"	"
110-86-1	Pyridine	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*71*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*70*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*70*		*30-130 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*72*		*30-130 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.79	0.418	1	SW846 6010B	25-Apr-07	26-Apr-07	7041594	LR
7429-90-5	Aluminum	5,840		mg/kg dry	2.39	1.49	1	"	"	"	"	"
7440-38-2	Arsenic	3.76		mg/kg dry	1.79	0.275	1	"	"	"	"	"
7440-39-3	Barium	156		mg/kg dry	1.19	0.201	1	"	"	"	"	"
7440-41-7	Beryllium	0.281	J	mg/kg dry	0.597	0.132	1	"	"	"	"	"
7440-70-2	Calcium	3,690		mg/kg dry	29.8	4.79	1	"	"	"	"	"
7440-43-9	Cadmium	0.382	J	mg/kg dry	0.597	0.0203	1	"	"	"	"	"
7440-48-4	Cobalt	3.76		mg/kg dry	1.19	0.0513	1	"	"	"	"	"
7440-47-3	Chromium	11.8		mg/kg dry	1.19	0.345	1	"	"	"	"	"
7440-50-8	Copper	23.3		mg/kg dry	1.19	0.232	1	"	"	"	"	"
7439-89-6	Iron	10,100		mg/kg dry	2.39	0.600	1	"	"	"	"	"
7439-97-6	Mercury	0.228		mg/kg dry	0.0348	0.0083	1	SW846 7471A	"	27-Apr-07	7041595	BT
7440-09-7	Potassium	616		mg/kg dry	59.7	20.9	1	SW846 6010B	"	26-Apr-07	7041594	LR
7439-95-4	Magnesium	1,360		mg/kg dry	5.97	0.177	1	"	"	"	"	"
7439-96-5	Manganese	204		mg/kg dry	1.19	0.334	1	"	"	"	"	"
7440-23-5	Sodium	69.4		mg/kg dry	29.8	6.94	1	"	"	"	"	"
7440-02-0	Nickel	10.5		mg/kg dry	1.19	0.117	1	"	"	"	"	"
7439-92-1	Lead	132		mg/kg dry	1.79	0.186	1	"	"	"	"	"
7440-36-0	Antimony	0.764	J	mg/kg dry	3.58	0.436	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.79	0.386	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	3.58	0.560	1	"	"	"	"	"
7440-62-2	Vanadium	16.3		mg/kg dry	1.79	0.886	1	"	"	"	"	"
7440-66-6	Zinc	142		mg/kg dry	1.19	0.436	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG18-0-4 SA61010-05	5762901	Soil	23-Apr-07 09:00	24-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
TCLP Metals by EPA 1311 & 6000/7000 Series Methods												
	TCLP Extraction	Completed		N/A			1	SW846 1311	25-Apr-07	25-Apr-07	7041656	BD
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0020	1	SW846 1311/6010B	26-Apr-07	26-Apr-07	7041682	HB
7440-38-2	Arsenic	BRL	U	mg/l	0.0100	0.0025	1	"	"	"	"	"
7440-39-3	Barium	0.355		mg/l	0.0050	0.0020	1	"	"	"	"	"
7440-43-9	Cadmium	0.0031	J	mg/l	0.0040	0.0002	1	"	"	"	"	"
7440-47-3	Chromium	BRL	U	mg/l	0.0075	0.0025	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00008	1	SW846 1311/7470A	"	27-Apr-07	7041683	BT
7439-92-1	Lead	0.326		mg/l	0.0075	0.0025	1	SW846 1311/6010B	"	26-Apr-07	7041682	HB
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0050	1	"	"	"	"	"
Toxicity Characteristics												
	Ignitability by Definition	Negative	U	N/A			1	SW846 1030	26-Apr-07	26-Apr-07	7041735	YM
	pH	7.77		pH Units			1	SW846 9045C	24-Apr-07 11:15	24-Apr-07	7041510	"
Reactivity Cyanide/Sulfide												
Prepared by method General Preparation												
	Reactivity	Negative	U	mg/kg dry			1	SW846 Ch. 7.3	26-Apr-07	26-Apr-07	7041733	"
	Reactive Cyanide	BRL	U	mg/kg dry	24.9	2.49	1	"	"	"	"	"
	Reactive Sulfide	BRL	U	mg/kg dry	49.8	4.98	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	83.6		%			1	SM2540 G Mod.	26-Apr-07	26-Apr-07	7041690	YM
1854-029-9	Hexavalent Chromium	BRL	U	mg/kg dry	1.08	0.312	1	+SW846 7196A	24-Apr-07	24-Apr-07	7041659	QP

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG18-20-23 SA61010-06	5762901	Soil	23-Apr-07 13:30	24-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	TCLP Extraction	0.00		N/A			1	SW846 1311	25-Apr-07	25-Apr-07	7041660	BD
	VOC Extraction	Lab extracted		N/A			1	VOC	24-Apr-07	24-Apr-07	7041551	"
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	5.2	2.1	1	SW 846 8260B	26-Apr-07	26-Apr-07	7041689	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	104	45.5	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	5.2	0.6	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	5.2	0.5	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	51.9	3.7	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	25.9	0.5	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	5.2	0.5	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	5.2	0.7	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	10.4	1.1	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	5.2	0.4	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	5.2	0.8	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	5.2	1.2	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	5.2	0.5	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	5.2	0.7	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	5.2	0.4	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	5.2	0.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	5.2	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	5.2	0.5	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	5.2	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	5.2	0.6	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	51.9	0.6	1	"	"	"	"	"
75-09-2	Methylene chloride	5.9	O01, J	µg/kg dry	51.9	2.5	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	5.2	0.8	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	5.2	0.3	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	5.2	0.8	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	5.2	0.4	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	5.2	0.6	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	5.2	0.6	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	5.2	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	5.2	0.6	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	10.4	1.2	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	5.2	0.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*102*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*108*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*111*		*70-130 %*				"	"	"	"	"
TCLP Volatile Organic Compounds by 8260B (TCL)												
Prepared by method SW846 5030 Water MS												
71-43-2	Benzene	BRL	U	µg/l	5.00	2.85	5	SW846 1311/8260B	26-Apr-07	26-Apr-07	7041696	jro
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	50.0	12.2	5	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	5.00	2.90	5	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	5.00	2.60	5	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	5.00	4.00	5	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	5.00	2.10	5	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	5.00	2.95	5	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	5.00	2.55	5	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG18-20-23 SA61010-06	5762901	Soil	23-Apr-07 13:30	24-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
TCLP Volatile Organic Compounds by 8260B (TCL)												
Prepared by method SW846 5030 Water MS												
108-88-3	Toluene	BRL	U	µg/l	5.00	3.20	5	SW846 1311/8260B	26-Apr-07	26-Apr-07	7041696	jro
79-01-6	Trichloroethene	BRL	U	µg/l	5.00	2.30	5	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	5.00	4.30	5	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*96*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*97*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*84*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*90*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
	TCLP Extraction	Completed		N/A			1	SW846 1311	25-Apr-07	25-Apr-07	7041658	BD
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
309-00-2	Aldrin	BRL	U	µg/kg dry	16.7	0.140	1	SW846 8081A	24-Apr-07	26-Apr-07	7041538	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	16.7	0.266	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	16.7	0.272	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	16.7	0.207	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	16.7	0.188	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	83.5	0.931	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	16.7	0.389	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	16.7	0.387	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	16.7	0.356	1	"	"	"	"	"
60-57-1	Dieldrin	BRL	U	µg/kg dry	16.7	0.252	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	16.7	0.683	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	16.7	0.600	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	16.7	0.436	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	16.7	0.570	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	16.7	0.450	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	16.7	0.171	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	16.7	0.253	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	16.7	0.253	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	16.7	0.631	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	16.7	1.12	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*113*		*30-150 %*				"	"	"	"	"
TCLP Pesticides by SW846 1311/8081A												
Prepared by method SW846 3535												
57-74-9	Chlordane	BRL	U	µg/l	0.400	0.064	1	SW846 1311/8081A	26-Apr-07	26-Apr-07	7041668	"
72-20-8	Endrin	BRL	U	µg/l	0.080	0.040	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/l	0.080	0.032	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/l	0.080	0.012	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/l	0.400	0.128	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/l	0.080	0.024	1	"	"	"	"	"
60-57-1	Dieldrin	BRL	U	µg/l	0.080	0.016	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG18-20-23	5762901	Soil	23-Apr-07 13:30	24-Apr-07
SA61010-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
TCLP Pesticides by SW846 1311/8081A												
Prepared by method SW846 3535												
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*58*		*30-150 %*				SW846 1311/8081A	26-Apr-07	26-Apr-07	7041668	TG
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	3.34	0.210	1	SW846 8082	24-Apr-07	25-Apr-07	7041539	MP
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	3.34	0.210	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	3.34	0.490	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	3.34	0.420	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	3.34	0.502	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	3.34	0.152	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	3.34	0.175	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	3.34	0.0280	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	3.34	0.0134	1	"	"	"	"	"
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*		*30-150 %*				"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*		*30-150 %*				"	"	"	"	"
TCLP Polychlorinated Biphenyls by SW846 1311/8082												
Prepared by method SW846 3535												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	0.174	0.0566	1	SW846 1311/8082	26-Apr-07	26-Apr-07	7041669	"
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	0.174	0.0548	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	0.174	0.133	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	0.174	0.114	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	0.174	0.135	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	0.174	0.0404	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	0.174	0.0467	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	0.174	0.0209	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	0.174	0.101	1	"	"	"	"	"
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*		*30-150 %*				"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	25-Apr-07	26-Apr-07	7041562	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*64*		*30-150 %*				"	"	"	"	"
TCLP Herbicides by SW846 1311/8151A												
Prepared by method SW846 3535												
94-75-7	2,4-D	BRL	U	µg/l	0.100	0.0190	1	SW846 1311/8151A	26-Apr-07	26-Apr-07	7041671	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/l	0.100	0.0170	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
	TCLP Extraction	Completed		N/A			1	SW846 1311	25-Apr-07	25-Apr-07	7041658	BD

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG18-20-23 SA61010-06	5762901	Soil	23-Apr-07 13:30	24-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	248	6.02	1	SW846 8270C	25-Apr-07	27-Apr-07	7041565	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	248	7.53	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	248	19.1	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/kg dry	248	7.53	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/kg dry	248	16.0	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/kg dry	248	8.51	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/kg dry	248	33.1	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/kg dry	248	7.00	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/kg dry	248	10.0	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	248	4.52	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	248	47.7	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	248	28.6	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	248	9.04	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	248	24.1	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	248	5.02	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/kg dry	248	3.54	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	248	3.99	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	248	3.01	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	248	18.1	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	248	6.55	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	248	8.06	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	248	7.00	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	248	6.55	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	248	15.6	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	248	6.02	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	248	12.0	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/kg dry	248	6.02	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	248	6.02	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	248	18.6	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	248	11.5	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	248	15.1	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	248	5.50	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	248	10.5	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	248	6.02	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	248	9.56	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	248	3.01	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	248	8.51	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	248	9.04	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	248	11.5	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	994	13.0	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	994	16.0	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/kg dry	248	11.5	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	248	5.02	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/kg dry	248	17.6	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	248	5.02	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*70*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*75*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*68*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*73*		*15-110 %*				"	"	"	"	"

This laboratory report is not valid without an authorized signature on the cover page.

* Reportable Detection Limit BRL = Below Reporting Limit

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG18-20-23 SA61010-06	5762901	Soil	23-Apr-07 13:30	24-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
1718-51-0	*Terphenyl-dl4*	*77*		*30-130 %*				SW846 8270C	25-Apr-07	27-Apr-07	7041565	M.B
118-79-6	*2,4,6-Tribromophenol*	*62*		*15-110 %*				"	"	"	"	"
TCLP Semivolatiles by SW846 1311/8270C (TCL)												
Prepared by method SW846 3535												
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	5.00	0.220	1	SW846 1311/8270C	26-Apr-07	27-Apr-07	7041670	"
121-14-2	2,4-Dinitrotoluene	BRL	U	µg/l	5.00	0.210	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	5.00	0.370	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	5.00	0.560	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL	U	µg/l	5.00	0.510	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.00	0.210	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	10.0	0.240	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	5.00	0.180	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	5.00	0.320	1	"	"	"	"	"
110-86-1	Pyridine	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL	U	µg/l	5.00	0.100	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*72*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*74*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*70*		*30-130 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*77*		*30-130 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.53	0.357	1	SW846 6010B	25-Apr-07	26-Apr-07	7041594	LR
7429-90-5	Aluminum	5,260		mg/kg dry	2.04	1.28	1	"	"	"	"	"
7440-38-2	Arsenic	2.40		mg/kg dry	1.53	0.235	1	"	"	"	"	"
7440-39-3	Barium	42.4		mg/kg dry	1.02	0.171	1	"	"	"	"	"
7440-41-7	Beryllium	0.270	J	mg/kg dry	0.510	0.113	1	"	"	"	"	"
7440-70-2	Calcium	11,900		mg/kg dry	25.5	4.09	1	"	"	"	"	"
7440-43-9	Cadmium	0.0408	J	mg/kg dry	0.510	0.0173	1	"	"	"	"	"
7440-48-4	Cobalt	7.27		mg/kg dry	1.02	0.0439	1	"	"	"	"	"
7440-47-3	Chromium	28.7		mg/kg dry	1.02	0.295	1	"	"	"	"	"
7440-50-8	Copper	14.2		mg/kg dry	1.02	0.198	1	"	"	"	"	"
7439-89-6	Iron	12,400		mg/kg dry	2.04	0.513	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/kg dry	0.0321	0.0077	1	SW846 7471A	"	27-Apr-07	7041595	BT
7440-09-7	Potassium	1,230		mg/kg dry	51.0	17.9	1	SW846 6010B	"	26-Apr-07	7041594	LR
7439-95-4	Magnesium	12,600		mg/kg dry	102	3.02	20	"	"	26-Apr-07	"	RM
7439-96-5	Manganese	255		mg/kg dry	1.02	0.286	1	"	"	26-Apr-07	"	LR
7440-23-5	Sodium	238		mg/kg dry	25.5	5.93	1	"	"	"	"	"
7440-02-0	Nickel	101		mg/kg dry	1.02	0.100	1	"	"	"	"	"
7439-92-1	Lead	5.04		mg/kg dry	1.53	0.159	1	"	"	"	"	"
7440-36-0	Antimony	0.689	J	mg/kg dry	3.06	0.373	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.53	0.330	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	3.06	0.479	1	"	"	"	"	"
7440-62-2	Vanadium	18.3		mg/kg dry	1.53	0.757	1	"	"	"	"	"
7440-66-6	Zinc	24.0		mg/kg dry	1.02	0.373	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG18-20-23 SA61010-06	5762901	Soil	23-Apr-07 13:30	24-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
TCLP Metals by EPA 1311 & 6000/7000 Series Methods												
	TCLP Extraction	Completed		N/A			1	SW846 1311	25-Apr-07	25-Apr-07	7041656	BD
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0020	1	SW846 1311/6010B	26-Apr-07	26-Apr-07	7041682	HB
7440-38-2	Arsenic	BRL	U	mg/l	0.0100	0.0025	1	"	"	"	"	"
7440-39-3	Barium	0.646		mg/l	0.0050	0.0020	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/l	0.0040	0.0002	1	"	"	"	"	"
7440-47-3	Chromium	0.0068	J	mg/l	0.0075	0.0025	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/l	0.00020	0.00008	1	SW846 1311/7470A	"	27-Apr-07	7041683	BT
7439-92-1	Lead	0.0176		mg/l	0.0075	0.0025	1	SW846 1311/6010B	"	26-Apr-07	7041682	HB
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0050	1	"	"	"	"	"
Toxicity Characteristics												
	Ignitability by Definition	Negative	U	N/A			1	SW846 1030	26-Apr-07	26-Apr-07	7041735	YM
	pH	8.72		pH Units			1	SW846 9045C	24-Apr-07 11:15	24-Apr-07	7041510	"
Reactivity Cyanide/Sulfide												
Prepared by method General Preparation												
	Reactivity	Negative	U	mg/kg dry			1	SW846 Ch. 7.3	26-Apr-07	26-Apr-07	7041733	"
	Reactive Cyanide	BRL	U	mg/kg dry	24.9	2.49	1	"	"	"	"	"
	Reactive Sulfide	BRL	U	mg/kg dry	49.8	4.98	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	91.9		%			1	SM2540 G Mod.	26-Apr-07	26-Apr-07	7041690	YM
1854-029-9	Hexavalent Chromium	0.491	J	mg/kg dry	1.23	0.354	1	+SW846 7196A	24-Apr-07	24-Apr-07	7041659	QP

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup1 SA61010-07	5762901	Soil	23-Apr-07 00:00	24-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A			1	VOC	24-Apr-07	24-Apr-07	7041551	BD
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	6.5	2.7	1	SW 846 8260B	26-Apr-07	26-Apr-07	7041689	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	130	56.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.5	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	64.8	4.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	32.4	0.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.5	0.8	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	13.0	1.4	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.5	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.5	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.5	1.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.5	0.9	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.5	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.5	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.5	0.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	64.8	0.7	1	"	"	"	"	"
75-09-2	Methylene chloride	8.0	O01, J	µg/kg dry	64.8	3.1	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.5	1.0	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	6.5	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.5	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.5	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.5	0.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.5	0.7	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.5	0.6	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.5	0.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	13.0	1.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.5	1.2	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*99*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*106*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*71*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
309-00-2	Aldrin	BRL	U	µg/kg dry	20.4	0.171	1	SW846 8081A	24-Apr-07	26-Apr-07	7041538	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	20.4	0.326	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	20.4	0.333	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	20.4	0.253	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	20.4	0.230	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	102	1.14	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	20.4	0.476	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	20.4	0.473	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup1 SA61010-07	5762901	Soil	23-Apr-07 00:00	24-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3545A												
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	20.4	0.436	1	SW846 8081A	24-Apr-07	26-Apr-07	7041538	TG
60-57-1	Dieldrin	BRL	U	µg/kg dry	20.4	0.309	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/kg dry	20.4	0.836	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	20.4	0.734	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	20.4	0.533	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	20.4	0.697	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	20.4	0.550	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	20.4	0.209	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	20.4	0.310	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	20.4	0.310	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	20.4	0.771	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	20.4	1.37	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*106*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	Aroclor-1016	BRL	U	µg/kg dry	4.09	0.257	1	SW846 8082	24-Apr-07	25-Apr-07	7041539	MP
11104-28-2	Aroclor-1221	BRL	U	µg/kg dry	4.09	0.257	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/kg dry	4.09	0.600	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/kg dry	4.09	0.514	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/kg dry	4.09	0.614	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/kg dry	4.09	0.186	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/kg dry	4.09	0.214	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/kg dry	4.09	0.0343	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/kg dry	4.09	0.0164	1	"	"	"	"	"
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*		*30-150 %*				"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	25-Apr-07	26-Apr-07	7041562	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*61*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	430	10.4	1	SW846 8270C	25-Apr-07	27-Apr-07	7041565	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	430	13.0	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	430	33.1	1	"	"	"	"	"
120-12-7	Anthracene	65.1	J	µg/kg dry	430	13.0	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	181	J	µg/kg dry	430	27.7	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	212	J	µg/kg dry	430	14.7	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	176	J	µg/kg dry	430	57.3	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	102	J	µg/kg dry	430	12.1	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	190	J	µg/kg dry	430	17.3	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	430	7.82	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup1 SA61010-07	5762901	Soil	23-Apr-07 00:00	24-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	430	82.6	1	SW846 8270C	25-Apr-07	27-Apr-07	7041565	M.B
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	430	49.5	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	430	15.6	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	430	41.7	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	430	8.69	1	"	"	"	"	"
218-01-9	Chrysene	199	J	µg/kg dry	430	6.12	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	430	6.90	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	430	5.21	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	430	31.3	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	430	11.3	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	430	13.9	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	430	12.1	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	430	11.3	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	430	27.0	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	430	10.4	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	430	20.8	1	"	"	"	"	"
206-44-0	Fluoranthene	313	J	µg/kg dry	430	10.4	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	430	10.4	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	430	32.2	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	94.7	J	µg/kg dry	430	19.9	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	430	26.1	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	430	9.51	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	430	18.2	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	430	10.4	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	430	16.5	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	430	5.21	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	430	14.7	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	430	15.6	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	430	19.9	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	1720	22.5	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	1720	27.7	1	"	"	"	"	"
85-01-8	Phenanthrene	225	J	µg/kg dry	430	19.9	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	430	8.69	1	"	"	"	"	"
129-00-0	Pyrene	432		µg/kg dry	430	30.5	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	430	8.69	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*81*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*25*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*67*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*56*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*92*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*5*	SGC	*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.60	0.374	1	SW846 6010B	25-Apr-07	26-Apr-07	7041594	LR
7429-90-5	Aluminum	5,720		mg/kg dry	2.14	1.34	1	"	"	"	"	"
7440-38-2	Arsenic	2.44		mg/kg dry	1.60	0.246	1	"	"	"	"	"
7440-39-3	Barium	33.9		mg/kg dry	1.07	0.180	1	"	"	"	"	"
7440-41-7	Beryllium	0.251	J	mg/kg dry	0.534	0.119	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
Dup1 SA61010-07	5762901	Soil	23-Apr-07 00:00	24-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Total Metals by EPA 6000/7000 Series Methods												
7440-70-2	Calcium	7,660		mg/kg dry	26.7	4.29	1	SW846 6010B	25-Apr-07	26-Apr-07	7041594	LR
7440-43-9	Cadmium	0.0962	J	mg/kg dry	0.534	0.0182	1	"	"	"	"	"
7440-48-4	Cobalt	4.11		mg/kg dry	1.07	0.0460	1	"	"	"	"	"
7440-47-3	Chromium	16.7		mg/kg dry	1.07	0.309	1	"	"	"	"	"
7440-50-8	Copper	15.4		mg/kg dry	1.07	0.207	1	"	"	"	"	"
7439-89-6	Iron	12,600		mg/kg dry	2.14	0.538	1	"	"	"	"	"
7439-97-6	Mercury	0.0744		mg/kg dry	0.0325	0.0078	1	SW846 7471A	"	27-Apr-07	7041595	BT
7440-09-7	Potassium	1,100		mg/kg dry	53.4	18.7	1	SW846 6010B	"	26-Apr-07	7041594	LR
7439-95-4	Magnesium	2,470		mg/kg dry	5.34	0.158	1	"	"	"	"	"
7439-96-5	Manganese	212		mg/kg dry	1.07	0.299	1	"	"	"	"	"
7440-23-5	Sodium	283		mg/kg dry	26.7	6.21	1	"	"	"	"	"
7440-02-0	Nickel	19.8		mg/kg dry	1.07	0.105	1	"	"	"	"	"
7439-92-1	Lead	21.0		mg/kg dry	1.60	0.167	1	"	"	"	"	"
7440-36-0	Antimony	0.572	J	mg/kg dry	3.21	0.390	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.60	0.345	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	3.21	0.501	1	"	"	"	"	"
7440-62-2	Vanadium	23.4		mg/kg dry	1.60	0.793	1	"	"	"	"	"
7440-66-6	Zinc	30.3		mg/kg dry	1.07	0.390	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	90.2		%			1	SM2540 G Mod.	26-Apr-07	26-Apr-07	7041690	YM

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB SA61010-08	5762901	Ground Water	23-Apr-07 00:00	24-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	26-Apr-07	26-Apr-07	7041707	EK
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	10.0	0.6	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*99*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*98*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*100*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*100*		*70-130 %*				"	"	"	"	"

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041689 - SW846 5035A Soil (low level)										
Blank (7041689-BLK1)										
Prepared & Analyzed: 26-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/kg wet	5.0						
Acetone	BRL	U	µg/kg wet	100						
Acrylonitrile	BRL	U	µg/kg wet	5.0						
Benzene	BRL	U	µg/kg wet	5.0						
Bromobenzene	BRL	U	µg/kg wet	5.0						
Bromochloromethane	BRL	U	µg/kg wet	5.0						
Bromodichloromethane	BRL	U	µg/kg wet	5.0						
Bromoform	BRL	U	µg/kg wet	5.0						
Bromomethane	BRL	U	µg/kg wet	10.0						
2-Butanone (MEK)	BRL	U	µg/kg wet	50.0						
n-Butylbenzene	BRL	U	µg/kg wet	5.0						
sec-Butylbenzene	BRL	U	µg/kg wet	5.0						
tert-Butylbenzene	BRL	U	µg/kg wet	5.0						
Carbon disulfide	BRL	U	µg/kg wet	25.0						
Carbon tetrachloride	BRL	U	µg/kg wet	5.0						
Chlorobenzene	BRL	U	µg/kg wet	5.0						
Chloroethane	BRL	U	µg/kg wet	10.0						
Chloroform	BRL	U	µg/kg wet	5.0						
Chloromethane	BRL	U	µg/kg wet	10.0						
2-Chlorotoluene	BRL	U	µg/kg wet	5.0						
4-Chlorotoluene	BRL	U	µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/kg wet	10.0						
Dibromochloromethane	BRL	U	µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/kg wet	5.0						
Dibromomethane	BRL	U	µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/kg wet	10.0						
1,1-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,2-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,1-Dichloroethene	BRL	U	µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						
1,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,3-Dichloropropane	BRL	U	µg/kg wet	5.0						
2,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,1-Dichloropropene	BRL	U	µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
Ethylbenzene	BRL	U	µg/kg wet	5.0						
Hexachlorobutadiene	BRL	U	µg/kg wet	5.0						
2-Hexanone (MBK)	BRL	U	µg/kg wet	50.0						
Isopropylbenzene	BRL	U	µg/kg wet	5.0						
4-Isopropyltoluene	BRL	U	µg/kg wet	5.0						
Methyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg wet	50.0						
Methylene chloride	BRL	U	µg/kg wet	50.0						
Naphthalene	BRL	U	µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041689 - SW846 5035A Soil (low level)										
Blank (7041689-BLK1)										
Prepared & Analyzed: 26-Apr-07										
n-Propylbenzene	BRL	U	µg/kg wet	5.0						
Styrene	BRL	U	µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
Tetrachloroethene	BRL	U	µg/kg wet	5.0						
Toluene	BRL	U	µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL	U	µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL	U	µg/kg wet	5.0						
Trichloroethene	BRL	U	µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL	U	µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
Vinyl chloride	BRL	U	µg/kg wet	5.0						
m,p-Xylene	BRL	U	µg/kg wet	10.0						
o-Xylene	BRL	U	µg/kg wet	5.0						
Tetrahydrofuran	BRL	U	µg/kg wet	50.0						
Ethyl ether	BRL	U	µg/kg wet	5.0						
Tert-amyl methyl ether	BRL	U	µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
Di-isopropyl ether	BRL	U	µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/kg wet	50.0						
1,4-Dioxane	BRL	U	µg/kg wet	100						
Surrogate: 4-Bromofluorobenzene	*51.1*		µg/kg wet		*50.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*49.8*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*55.0*		µg/kg wet		*50.0*		*110*	*70-130*		
Surrogate: Dibromofluoromethane	*56.8*		µg/kg wet		*50.0*		*114*	*70-130*		
LCS (7041689-BS1)										
Prepared & Analyzed: 26-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.1		µg/kg wet		20.0		100	70-130		
Acetone	14.3		µg/kg wet		20.0		72	1.77-175		
Acrylonitrile	18.1		µg/kg wet		20.0		90	70-130		
Benzene	17.3		µg/kg wet		20.0		86	70-130		
Bromobenzene	27.5	QC2	µg/kg wet		20.0		138	70-130		
Bromochloromethane	24.0		µg/kg wet		20.0		120	70-130		
Bromodichloromethane	19.8		µg/kg wet		20.0		99	70-130		
Bromoform	30.9	QC2	µg/kg wet		20.0		154	70-130		
Bromomethane	21.3		µg/kg wet		20.0		106	55.3-136		
2-Butanone (MEK)	13.5		µg/kg wet		20.0		68	38.8-142		
n-Butylbenzene	13.9		µg/kg wet		20.0		70	70-130		
sec-Butylbenzene	19.4		µg/kg wet		20.0		97	70-130		
tert-Butylbenzene	22.0		µg/kg wet		20.0		110	70-130		
Carbon disulfide	16.5		µg/kg wet		20.0		82	70-130		
Carbon tetrachloride	19.1		µg/kg wet		20.0		96	70-130		
Chlorobenzene	22.7		µg/kg wet		20.0		114	70-130		
Chloroethane	17.4		µg/kg wet		20.0		87	55.3-130		
Chloroform	18.8		µg/kg wet		20.0		94	70-130		
Chloromethane	15.3		µg/kg wet		20.0		76	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041689 - SW846 5035A Soil (low level)										
LCS (7041689-BS1)										
Prepared & Analyzed: 26-Apr-07										
2-Chlorotoluene	21.5		µg/kg wet		20.0		108	70-130		
4-Chlorotoluene	20.8		µg/kg wet		20.0		104	70-130		
1,2-Dibromo-3-chloropropane	14.4		µg/kg wet		20.0		72	70-130		
Dibromochloromethane	23.4		µg/kg wet		20.0		117	64.7-139		
1,2-Dibromoethane (EDB)	21.7		µg/kg wet		20.0		108	70-130		
Dibromomethane	19.9		µg/kg wet		20.0		100	70-130		
1,2-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130		
1,3-Dichlorobenzene	26.4	QC1	µg/kg wet		20.0		132	70-130		
1,4-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130		
Dichlorodifluoromethane (Freon12)	15.9		µg/kg wet		20.0		80	34.4-167		
1,1-Dichloroethane	16.8		µg/kg wet		20.0		84	70-130		
1,2-Dichloroethane	18.5		µg/kg wet		20.0		92	70-130		
1,1-Dichloroethene	19.9		µg/kg wet		20.0		100	70-130		
cis-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130		
trans-1,2-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130		
1,2-Dichloropropane	16.5		µg/kg wet		20.0		82	70-130		
1,3-Dichloropropane	18.9		µg/kg wet		20.0		94	70-130		
2,2-Dichloropropane	15.8		µg/kg wet		20.0		79	70-130		
1,1-Dichloropropene	17.6		µg/kg wet		20.0		88	70-130		
cis-1,3-Dichloropropene	18.2		µg/kg wet		20.0		91	70-130		
trans-1,3-Dichloropropene	19.3		µg/kg wet		20.0		96	70-130		
Ethylbenzene	20.6		µg/kg wet		20.0		103	70-130		
Hexachlorobutadiene	17.6		µg/kg wet		20.0		88	60.7-140		
2-Hexanone (MBK)	12.6	QC2	µg/kg wet		20.0		63	70-130		
Isopropylbenzene	20.4		µg/kg wet		20.0		102	70-130		
4-Isopropyltoluene	16.7		µg/kg wet		20.0		84	70-130		
Methyl tert-butyl ether	18.4		µg/kg wet		20.0		92	70-130		
4-Methyl-2-pentanone (MIBK)	15.6		µg/kg wet		20.0		78	46.1-145		
Methylene chloride	18.2		µg/kg wet		20.0		91	70-130		
Naphthalene	19.2		µg/kg wet		20.0		96	70-130		
n-Propylbenzene	18.4		µg/kg wet		20.0		92	70-130		
Styrene	21.8		µg/kg wet		20.0		109	70-130		
1,1,1,2-Tetrachloroethane	24.3		µg/kg wet		20.0		122	70-130		
1,1,2,2-Tetrachloroethane	18.8		µg/kg wet		20.0		94	70-130		
Tetrachloroethene	23.8		µg/kg wet		20.0		119	70-130		
Toluene	18.3		µg/kg wet		20.0		92	70-130		
1,2,3-Trichlorobenzene	21.6		µg/kg wet		20.0		108	70-130		
1,2,4-Trichlorobenzene	20.5		µg/kg wet		20.0		102	70-130		
1,1,1-Trichloroethane	19.0		µg/kg wet		20.0		95	70-130		
1,1,2-Trichloroethane	19.4		µg/kg wet		20.0		97	70-130		
Trichloroethene	19.6		µg/kg wet		20.0		98	70-130		
Trichlorofluoromethane (Freon 11)	17.4		µg/kg wet		20.0		87	56.8-140		
1,2,3-Trichloropropane	21.9		µg/kg wet		20.0		110	70-130		
1,2,4-Trimethylbenzene	21.6		µg/kg wet		20.0		108	70-130		
1,3,5-Trimethylbenzene	21.7		µg/kg wet		20.0		108	70-130		
Vinyl chloride	18.0		µg/kg wet		20.0		90	70-130		
m,p-Xylene	42.9		µg/kg wet		40.0		107	70-130		
o-Xylene	22.3		µg/kg wet		20.0		112	70-130		
Tetrahydrofuran	14.7		µg/kg wet		20.0		74	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041689 - SW846 5035A Soil (low level)										
LCS (7041689-BS1)										
Prepared & Analyzed: 26-Apr-07										
Ethyl ether	19.3		µg/kg wet		20.0		96	65.3-130		
Tert-amyl methyl ether	15.3		µg/kg wet		20.0		76	70-130		
Ethyl tert-butyl ether	18.1		µg/kg wet		20.0		90	70-130		
Di-isopropyl ether	14.9		µg/kg wet		20.0		74	70-130		
Tert-Butanol / butyl alcohol	167		µg/kg wet		200		84	70-130		
1,4-Dioxane	111		µg/kg wet		200		56	34-155		
Surrogate: 4-Bromofluorobenzene	*53.4*		µg/kg wet		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*50.1*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*46.9*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*54.1*		µg/kg wet		*50.0*		*108*	*70-130*		
LCS Dup (7041689-BSD1)										
Prepared & Analyzed: 26-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.4		µg/kg wet		20.0		102	70-130	2	25
Acetone	15.1		µg/kg wet		20.0		76	1.77-175	5	50
Acrylonitrile	18.2		µg/kg wet		20.0		91	70-130	1	25
Benzene	17.4		µg/kg wet		20.0		87	70-130	1	25
Bromobenzene	27.6	QC2	µg/kg wet		20.0		138	70-130	0	25
Bromochloromethane	25.0		µg/kg wet		20.0		125	70-130	4	25
Bromodichloromethane	20.1		µg/kg wet		20.0		100	70-130	1	25
Bromoform	31.6	QC2	µg/kg wet		20.0		158	70-130	3	25
Bromomethane	20.5		µg/kg wet		20.0		102	55.3-136	4	50
2-Butanone (MEK)	13.0		µg/kg wet		20.0		65	38.8-142	5	50
n-Butylbenzene	13.5	QC1	µg/kg wet		20.0		68	70-130	3	25
sec-Butylbenzene	19.6		µg/kg wet		20.0		98	70-130	1	25
tert-Butylbenzene	21.5		µg/kg wet		20.0		108	70-130	2	25
Carbon disulfide	16.4		µg/kg wet		20.0		82	70-130	0	25
Carbon tetrachloride	19.0		µg/kg wet		20.0		95	70-130	1	25
Chlorobenzene	23.2		µg/kg wet		20.0		116	70-130	2	25
Chloroethane	16.8		µg/kg wet		20.0		84	55.3-130	4	50
Chloroform	19.0		µg/kg wet		20.0		95	70-130	1	25
Chloromethane	15.0		µg/kg wet		20.0		75	70-130	1	25
2-Chlorotoluene	21.2		µg/kg wet		20.0		106	70-130	2	25
4-Chlorotoluene	20.7		µg/kg wet		20.0		104	70-130	0	25
1,2-Dibromo-3-chloropropane	15.3		µg/kg wet		20.0		76	70-130	5	25
Dibromochloromethane	23.3		µg/kg wet		20.0		116	64.7-139	0.9	50
1,2-Dibromoethane (EDB)	23.4		µg/kg wet		20.0		117	70-130	8	25
Dibromomethane	20.4		µg/kg wet		20.0		102	70-130	2	25
1,2-Dichlorobenzene	20.5		µg/kg wet		20.0		102	70-130	0	25
1,3-Dichlorobenzene	26.0		µg/kg wet		20.0		130	70-130	2	25
1,4-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	0	25
Dichlorodifluoromethane (Freon12)	15.5		µg/kg wet		20.0		78	34.4-167	3	50
1,1-Dichloroethane	17.0		µg/kg wet		20.0		85	70-130	1	25
1,2-Dichloroethane	19.6		µg/kg wet		20.0		98	70-130	6	25
1,1-Dichloroethene	19.4		µg/kg wet		20.0		97	70-130	3	25
cis-1,2-Dichloroethene	20.6		µg/kg wet		20.0		103	70-130	3	25
trans-1,2-Dichloroethene	18.7		µg/kg wet		20.0		94	70-130	0	25
1,2-Dichloropropane	16.1		µg/kg wet		20.0		80	70-130	2	25
1,3-Dichloropropane	19.6		µg/kg wet		20.0		98	70-130	4	25
2,2-Dichloropropane	15.9		µg/kg wet		20.0		80	70-130	1	25
1,1-Dichloropropene	17.9		µg/kg wet		20.0		90	70-130	2	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041689 - SW846 5035A Soil (low level)										
LCS Dup (7041689-BSD1)										
Prepared & Analyzed: 26-Apr-07										
cis-1,3-Dichloropropene	18.3		µg/kg wet		20.0		92	70-130	1	25
trans-1,3-Dichloropropene	19.8		µg/kg wet		20.0		99	70-130	3	25
Ethylbenzene	20.1		µg/kg wet		20.0		100	70-130	3	25
Hexachlorobutadiene	17.6		µg/kg wet		20.0		88	60.7-140	0	50
2-Hexanone (MBK)	13.3	QC2	µg/kg wet		20.0		66	70-130	5	25
Isopropylbenzene	20.4		µg/kg wet		20.0		102	70-130	0	25
4-Isopropyltoluene	16.6		µg/kg wet		20.0		83	70-130	1	25
Methyl tert-butyl ether	19.5		µg/kg wet		20.0		98	70-130	6	25
4-Methyl-2-pentanone (MIBK)	15.9		µg/kg wet		20.0		80	46.1-145	3	50
Methylene chloride	17.5		µg/kg wet		20.0		88	70-130	3	25
Naphthalene	20.1		µg/kg wet		20.0		100	70-130	4	25
n-Propylbenzene	18.1		µg/kg wet		20.0		90	70-130	2	25
Styrene	22.4		µg/kg wet		20.0		112	70-130	3	25
1,1,1,2-Tetrachloroethane	24.4		µg/kg wet		20.0		122	70-130	0	25
1,1,2,2-Tetrachloroethane	20.2		µg/kg wet		20.0		101	70-130	7	25
Tetrachloroethene	23.7		µg/kg wet		20.0		118	70-130	0.8	25
Toluene	18.3		µg/kg wet		20.0		92	70-130	0	25
1,2,3-Trichlorobenzene	21.6		µg/kg wet		20.0		108	70-130	0	25
1,2,4-Trichlorobenzene	20.4		µg/kg wet		20.0		102	70-130	0	25
1,1,1-Trichloroethane	19.2		µg/kg wet		20.0		96	70-130	1	25
1,1,2-Trichloroethane	20.4		µg/kg wet		20.0		102	70-130	5	25
Trichloroethene	19.8		µg/kg wet		20.0		99	70-130	1	25
Trichlorofluoromethane (Freon 11)	17.4		µg/kg wet		20.0		87	56.8-140	0	50
1,2,3-Trichloropropane	23.4		µg/kg wet		20.0		117	70-130	6	25
1,2,4-Trimethylbenzene	21.7		µg/kg wet		20.0		108	70-130	0	25
1,3,5-Trimethylbenzene	21.4		µg/kg wet		20.0		107	70-130	0.9	25
Vinyl chloride	17.6		µg/kg wet		20.0		88	70-130	2	25
m,p-Xylene	43.1		µg/kg wet		40.0		108	70-130	0.9	25
o-Xylene	22.0		µg/kg wet		20.0		110	70-130	2	25
Tetrahydrofuran	15.0		µg/kg wet		20.0		75	70-130	1	25
Ethyl ether	19.5		µg/kg wet		20.0		98	65.3-130	2	50
Tert-amyl methyl ether	17.8		µg/kg wet		20.0		89	70-130	16	25
Ethyl tert-butyl ether	18.5		µg/kg wet		20.0		92	70-130	2	25
Di-isopropyl ether	15.2		µg/kg wet		20.0		76	70-130	3	25
Tert-Butanol / butyl alcohol	181		µg/kg wet		200		90	70-130	7	25
1,4-Dioxane	111		µg/kg wet		200		56	34-155	0	25
Surrogate: 4-Bromofluorobenzene	*53.6*		µg/kg wet		*50.0*		*107*	*70-130*		
Surrogate: Toluene-d8	*50.1*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*47.9*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*53.9*		µg/kg wet		*50.0*		*108*	*70-130*		
Batch 7041696 - SW846 5030 Water MS										
Blank (7041696-BLK1)										
Prepared & Analyzed: 26-Apr-07										
Benzene	BRL	U	µg/l	1.00						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
Carbon tetrachloride	BRL	U	µg/l	1.00						
Chlorobenzene	BRL	U	µg/l	1.00						
Chloroform	BRL	U	µg/l	1.00						
1,2-Dichloroethane	BRL	U	µg/l	1.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041696 - SW846 5030 Water MS										
Blank (7041696-BLK1)										
Prepared & Analyzed: 26-Apr-07										
1,1-Dichloroethene	BRL	U	µg/l	1.00						
Tetrachloroethene	BRL	U	µg/l	1.00						
Toluene	BRL	U	µg/l	1.00						
Trichloroethene	BRL	U	µg/l	1.00						
Vinyl chloride	BRL	U	µg/l	1.00						
Surrogate: 4-Bromofluorobenzene	*28.6*		µg/l		*30.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*29.2*		µg/l		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*25.5*		µg/l		*30.0*		*85*	*70-130*		
Surrogate: Dibromofluoromethane	*27.4*		µg/l		*30.0*		*91*	*70-130*		
Blank (7041696-BLK2)										
Prepared & Analyzed: 26-Apr-07										
Benzene	BRL	U	µg/l	5.00						
2-Butanone (MEK)	BRL	U	µg/l	50.0						
Carbon tetrachloride	BRL	U	µg/l	5.00						
Chlorobenzene	BRL	U	µg/l	5.00						
Chloroform	BRL	U	µg/l	5.00						
1,2-Dichloroethane	BRL	U	µg/l	5.00						
1,1-Dichloroethene	BRL	U	µg/l	5.00						
Tetrachloroethene	BRL	U	µg/l	5.00						
Toluene	BRL	U	µg/l	5.00						
Trichloroethene	BRL	U	µg/l	5.00						
Vinyl chloride	BRL	U	µg/l	5.00						
Surrogate: 4-Bromofluorobenzene	*28.6*		µg/l		*30.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*28.4*		µg/l		*30.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*25.8*		µg/l		*30.0*		*86*	*70-130*		
Surrogate: Dibromofluoromethane	*27.4*		µg/l		*30.0*		*91*	*70-130*		
Blank (7041696-BLK3)										
Prepared & Analyzed: 26-Apr-07										
Benzene	BRL	U	µg/l	5.00						
2-Butanone (MEK)	BRL	U	µg/l	50.0						
Carbon tetrachloride	BRL	U	µg/l	5.00						
Chlorobenzene	BRL	U	µg/l	5.00						
Chloroform	BRL	U	µg/l	5.00						
1,2-Dichloroethane	BRL	U	µg/l	5.00						
1,1-Dichloroethene	BRL	U	µg/l	5.00						
Tetrachloroethene	BRL	U	µg/l	5.00						
Toluene	BRL	U	µg/l	5.00						
Trichloroethene	BRL	U	µg/l	5.00						
Vinyl chloride	BRL	U	µg/l	5.00						
Surrogate: 4-Bromofluorobenzene	*28.2*		µg/l		*30.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*27.9*		µg/l		*30.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*25.4*		µg/l		*30.0*		*85*	*70-130*		
Surrogate: Dibromofluoromethane	*27.1*		µg/l		*30.0*		*90*	*70-130*		
LCS (7041696-BS1)										
Prepared & Analyzed: 26-Apr-07										
Benzene	20.8		µg/l		20.0		104	70-130		
2-Butanone (MEK)	19.5		µg/l		20.0		98	70-130		
Carbon tetrachloride	18.5		µg/l		20.0		92	70-130		
Chlorobenzene	22.4		µg/l		20.0		112	70-130		
Chloroform	19.7		µg/l		20.0		98	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041696 - SW846 5030 Water MS										
LCS (7041696-BS1)										
Prepared & Analyzed: 26-Apr-07										
1,2-Dichloroethane	18.5		µg/l		20.0		92	70-130		
1,1-Dichloroethene	21.2		µg/l		20.0		106	70-130		
Tetrachloroethene	19.9		µg/l		20.0		100	70-130		
Trichloroethene	20.1		µg/l		20.0		100	70-130		
Vinyl chloride	20.4		µg/l		20.0		102	70-130		
Surrogate: 4-Bromofluorobenzene	*29.9*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*27.8*		µg/l		*30.0*		*93*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*25.8*		µg/l		*30.0*		*86*	*70-130*		
Surrogate: Dibromofluoromethane	*28.5*		µg/l		*30.0*		*95*	*70-130*		
LCS Dup (7041696-BSD1)										
Prepared & Analyzed: 26-Apr-07										
Benzene	19.3		µg/l		20.0		96	70-130	8	30
2-Butanone (MEK)	20.6		µg/l		20.0		103	70-130	5	30
Carbon tetrachloride	17.0		µg/l		20.0		85	70-130	8	30
Chlorobenzene	19.4		µg/l		20.0		97	70-130	14	30
Chloroform	18.2		µg/l		20.0		91	70-130	7	30
1,2-Dichloroethane	17.7		µg/l		20.0		88	70-130	4	30
1,1-Dichloroethene	19.1		µg/l		20.0		96	70-130	10	30
Tetrachloroethene	18.6		µg/l		20.0		93	70-130	7	30
Trichloroethene	18.3		µg/l		20.0		92	70-130	8	30
Vinyl chloride	18.4		µg/l		20.0		92	70-130	10	30
Surrogate: 4-Bromofluorobenzene	*29.1*		µg/l		*30.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*27.7*		µg/l		*30.0*		*92*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*26.4*		µg/l		*30.0*		*88*	*70-130*		
Surrogate: Dibromofluoromethane	*28.1*		µg/l		*30.0*		*94*	*70-130*		
Matrix Spike (7041696-MS1) **Source: SA61074-04**										
Prepared & Analyzed: 26-Apr-07										
Benzene	16.8		µg/l		20.0	BRL	84	70-130		
Chlorobenzene	21.2		µg/l		20.0	BRL	106	70-130		
1,1-Dichloroethene	23.3	QR2	µg/l		20.0	10.1	66	70-130		
Toluene	18.0		µg/l		20.0	BRL	90	70-130		
Trichloroethene	30.9		µg/l		20.0	16.6	72	70-130		
Surrogate: 4-Bromofluorobenzene	*30.1*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*28.7*		µg/l		*30.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*25.0*		µg/l		*30.0*		*83*	*70-130*		
Surrogate: Dibromofluoromethane	*27.9*		µg/l		*30.0*		*93*	*70-130*		
Matrix Spike Dup (7041696-MSD1) **Source: SA61074-04**										
Prepared & Analyzed: 26-Apr-07										
Benzene	18.3		µg/l		20.0	BRL	92	70-130	9	30
Chlorobenzene	23.5		µg/l		20.0	BRL	118	70-130	11	30
1,1-Dichloroethene	24.4		µg/l		20.0	10.1	72	70-130	9	30
Toluene	20.5		µg/l		20.0	BRL	102	70-130	12	30
Trichloroethene	33.1		µg/l		20.0	16.6	82	70-130	13	30
Surrogate: 4-Bromofluorobenzene	*30.0*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*29.5*		µg/l		*30.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*25.0*		µg/l		*30.0*		*83*	*70-130*		
Surrogate: Dibromofluoromethane	*26.9*		µg/l		*30.0*		*90*	*70-130*		
Batch 7041707 - SW846 5030 Water MS										
Blank (7041707-BLK1)										
Prepared & Analyzed: 26-Apr-07										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041707 - SW846 5030 Water MS										
Blank (7041707-BLK1)										
Prepared & Analyzed: 26-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0						
Acetone	BRL	U	µg/l	10.0						
Acrylonitrile	BRL	U	µg/l	1.0						
Benzene	BRL	U	µg/l	1.0						
Bromobenzene	BRL	U	µg/l	1.0						
Bromochloromethane	BRL	U	µg/l	1.0						
Bromodichloromethane	BRL	U	µg/l	1.0						
Bromoform	BRL	U	µg/l	1.0						
Bromomethane	BRL	U	µg/l	2.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
n-Butylbenzene	BRL	U	µg/l	1.0						
sec-Butylbenzene	BRL	U	µg/l	1.0						
tert-Butylbenzene	BRL	U	µg/l	1.0						
Carbon disulfide	BRL	U	µg/l	5.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroethane	BRL	U	µg/l	2.0						
Chloroform	BRL	U	µg/l	1.0						
Chloromethane	BRL	U	µg/l	2.0						
2-Chlorotoluene	BRL	U	µg/l	1.0						
4-Chlorotoluene	BRL	U	µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0						
Dibromochloromethane	BRL	U	µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0						
Dibromomethane	BRL	U	µg/l	1.0						
1,2-Dichlorobenzene	BRL	U	µg/l	1.0						
1,3-Dichlorobenzene	BRL	U	µg/l	1.0						
1,4-Dichlorobenzene	BRL	U	µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0						
1,1-Dichloroethane	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	1.0						
1,2-Dichloropropane	BRL	U	µg/l	1.0						
1,3-Dichloropropane	BRL	U	µg/l	1.0						
2,2-Dichloropropane	BRL	U	µg/l	1.0						
1,1-Dichloropropene	BRL	U	µg/l	1.0						
cis-1,3-Dichloropropene	BRL	U	µg/l	1.0						
trans-1,3-Dichloropropene	BRL	U	µg/l	1.0						
Ethylbenzene	BRL	U	µg/l	1.0						
Hexachlorobutadiene	BRL	U	µg/l	1.0						
2-Hexanone (MBK)	BRL	U	µg/l	10.0						
Isopropylbenzene	BRL	U	µg/l	1.0						
4-Isopropyltoluene	BRL	U	µg/l	1.0						
Methyl tert-butyl ether	BRL	U	µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0						
Methylene chloride	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041707 - SW846 5030 Water MS										
Blank (7041707-BLK1)										
Prepared & Analyzed: 26-Apr-07										
n-Propylbenzene	BRL	U	µg/l	1.0						
Styrene	BRL	U	µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0						
1,1,1-Trichloroethane	BRL	U	µg/l	1.0						
1,1,2-Trichloroethane	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0						
1,2,3-Trichloropropane	BRL	U	µg/l	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
m,p-Xylene	BRL	U	µg/l	2.0						
o-Xylene	BRL	U	µg/l	1.0						
Tetrahydrofuran	BRL	U	µg/l	10.0						
Ethyl ether	BRL	U	µg/l	1.0						
Tert-amyl methyl ether	BRL	U	µg/l	1.0						
Ethyl tert-butyl ether	BRL	U	µg/l	1.0						
Di-isopropyl ether	BRL	U	µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0						
1,4-Dioxane	BRL	U	µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*49.5*		µg/l		*50.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*48.8*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*49.9*		µg/l		*50.0*		*100*	*70-130*		
LCS (7041707-BS1)										
Prepared & Analyzed: 26-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	21.9		µg/l		20.0		110	70-130		
Acetone	11.5		µg/l		20.0		58	43.1-149		
Acrylonitrile	21.6		µg/l		20.0		108	70-130		
Benzene	19.7		µg/l		20.0		98	70-130		
Bromobenzene	19.7		µg/l		20.0		98	70-130		
Bromochloromethane	19.4		µg/l		20.0		97	70-130		
Bromodichloromethane	18.8		µg/l		20.0		94	70-130		
Bromoform	15.3		µg/l		20.0		76	70-130		
Bromomethane	17.3		µg/l		20.0		86	58.6-138		
2-Butanone (MEK)	20.4		µg/l		20.0		102	52.4-135		
n-Butylbenzene	21.4		µg/l		20.0		107	70-130		
sec-Butylbenzene	20.8		µg/l		20.0		104	70-130		
tert-Butylbenzene	20.4		µg/l		20.0		102	70-130		
Carbon disulfide	17.3		µg/l		20.0		86	70-130		
Carbon tetrachloride	15.2		µg/l		20.0		76	70-130		
Chlorobenzene	20.5		µg/l		20.0		102	70-130		
Chloroethane	16.7		µg/l		20.0		84	60.8-131		
Chloroform	19.6		µg/l		20.0		98	70-130		
Chloromethane	17.2		µg/l		20.0		86	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041707 - SW846 5030 Water MS										
LCS (7041707-BS1)										
Prepared & Analyzed: 26-Apr-07										
2-Chlorotoluene	20.8		µg/l		20.0		104	70-130		
4-Chlorotoluene	20.0		µg/l		20.0		100	70-130		
1,2-Dibromo-3-chloropropane	19.3		µg/l		20.0		96	70-130		
Dibromochloromethane	17.1		µg/l		20.0		86	70-144		
1,2-Dibromoethane (EDB)	20.2		µg/l		20.0		101	70-130		
Dibromomethane	20.6		µg/l		20.0		103	70-130		
1,2-Dichlorobenzene	21.6		µg/l		20.0		108	70-130		
1,3-Dichlorobenzene	20.3		µg/l		20.0		102	70-130		
1,4-Dichlorobenzene	20.8		µg/l		20.0		104	70-130		
Dichlorodifluoromethane (Freon12)	17.9		µg/l		20.0		90	36.9-172		
1,1-Dichloroethane	19.9		µg/l		20.0		100	70-130		
1,2-Dichloroethane	19.7		µg/l		20.0		98	70-130		
1,1-Dichloroethene	17.2		µg/l		20.0		86	70-130		
cis-1,2-Dichloroethene	20.2		µg/l		20.0		101	70-130		
trans-1,2-Dichloroethene	19.0		µg/l		20.0		95	70-130		
1,2-Dichloropropane	20.1		µg/l		20.0		100	70-130		
1,3-Dichloropropane	20.4		µg/l		20.0		102	70-130		
2,2-Dichloropropane	17.6		µg/l		20.0		88	70-130		
1,1-Dichloropropene	19.8		µg/l		20.0		99	70-130		
cis-1,3-Dichloropropene	18.7		µg/l		20.0		94	70-130		
trans-1,3-Dichloropropene	18.1		µg/l		20.0		90	70-130		
Ethylbenzene	20.3		µg/l		20.0		102	70-130		
Hexachlorobutadiene	21.5		µg/l		20.0		108	70-136		
2-Hexanone (MBK)	17.3		µg/l		20.0		86	70-130		
Isopropylbenzene	19.3		µg/l		20.0		96	70-130		
4-Isopropyltoluene	21.7		µg/l		20.0		108	70-130		
Methyl tert-butyl ether	19.2		µg/l		20.0		96	70-130		
4-Methyl-2-pentanone (MIBK)	19.1		µg/l		20.0		96	67.7-131		
Methylene chloride	18.4		µg/l		20.0		92	70-130		
Naphthalene	18.6		µg/l		20.0		93	70-130		
n-Propylbenzene	20.1		µg/l		20.0		100	70-130		
Styrene	20.8		µg/l		20.0		104	70-130		
1,1,1,2-Tetrachloroethane	17.6		µg/l		20.0		88	70-130		
1,1,2,2-Tetrachloroethane	21.5		µg/l		20.0		108	70-130		
Tetrachloroethene	19.1		µg/l		20.0		96	70-130		
Toluene	19.1		µg/l		20.0		96	70-130		
1,2,3-Trichlorobenzene	19.0		µg/l		20.0		95	70-130		
1,2,4-Trichlorobenzene	18.1		µg/l		20.0		90	70-130		
1,1,1-Trichloroethane	17.5		µg/l		20.0		88	70-130		
1,1,2-Trichloroethane	20.4		µg/l		20.0		102	70-130		
Trichloroethene	19.5		µg/l		20.0		98	70-130		
Trichlorofluoromethane (Freon 11)	19.2		µg/l		20.0		96	69-132		
1,2,3-Trichloropropane	22.7		µg/l		20.0		114	70-130		
1,2,4-Trimethylbenzene	19.6		µg/l		20.0		98	70-130		
1,3,5-Trimethylbenzene	19.9		µg/l		20.0		100	70-130		
Vinyl chloride	16.8		µg/l		20.0		84	70-130		
m,p-Xylene	41.3		µg/l		40.0		103	70-130		
o-Xylene	20.4		µg/l		20.0		102	70-130		
Tetrahydrofuran	20.0		µg/l		20.0		100	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041707 - SW846 5030 Water MS										
LCS (7041707-BS1)										
Prepared & Analyzed: 26-Apr-07										
Ethyl ether	18.8		µg/l		20.0		94	70-130		
Tert-amyl methyl ether	21.7		µg/l		20.0		108	70-130		
Ethyl tert-butyl ether	19.2		µg/l		20.0		96	70-130		
Di-isopropyl ether	19.3		µg/l		20.0		96	70-130		
Tert-Butanol / butyl alcohol	145		µg/l		200		72	70-130		
1,4-Dioxane	214		µg/l		200		107	66.1-132		
Surrogate: 4-Bromofluorobenzene	*48.8*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*48.9*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*49.8*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*50.0*		µg/l		*50.0*		*100*	*70-130*		
LCS Dup (7041707-BSD1)										
Prepared & Analyzed: 26-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.3		µg/l		20.0		96	70-130	14	25
Acetone	10.9		µg/l		20.0		54	43.1-149	7	50
Acrylonitrile	21.5		µg/l		20.0		108	70-130	0	25
Benzene	17.8		µg/l		20.0		89	70-130	10	25
Bromobenzene	19.1		µg/l		20.0		96	70-130	2	25
Bromochloromethane	19.4		µg/l		20.0		97	70-130	0	25
Bromodichloromethane	18.1		µg/l		20.0		90	70-130	4	25
Bromoform	15.7		µg/l		20.0		78	70-130	3	25
Bromomethane	14.6		µg/l		20.0		73	58.6-138	16	50
2-Butanone (MEK)	20.7		µg/l		20.0		104	52.4-135	2	50
n-Butylbenzene	21.3		µg/l		20.0		106	70-130	0.9	25
sec-Butylbenzene	18.8		µg/l		20.0		94	70-130	10	25
tert-Butylbenzene	18.6		µg/l		20.0		93	70-130	9	25
Carbon disulfide	15.0		µg/l		20.0		75	70-130	14	25
Carbon tetrachloride	14.2		µg/l		20.0		71	70-130	7	25
Chlorobenzene	18.9		µg/l		20.0		94	70-130	8	25
Chloroethane	14.7		µg/l		20.0		74	60.8-131	13	50
Chloroform	18.3		µg/l		20.0		92	70-130	6	25
Chloromethane	16.9		µg/l		20.0		84	70-130	2	25
2-Chlorotoluene	19.1		µg/l		20.0		96	70-130	8	25
4-Chlorotoluene	18.9		µg/l		20.0		94	70-130	6	25
1,2-Dibromo-3-chloropropane	19.6		µg/l		20.0		98	70-130	2	25
Dibromochloromethane	17.1		µg/l		20.0		86	70-144	0	50
1,2-Dibromoethane (EDB)	19.7		µg/l		20.0		98	70-130	3	25
Dibromomethane	19.6		µg/l		20.0		98	70-130	5	25
1,2-Dichlorobenzene	19.5		µg/l		20.0		98	70-130	10	25
1,3-Dichlorobenzene	19.7		µg/l		20.0		98	70-130	4	25
1,4-Dichlorobenzene	18.7		µg/l		20.0		94	70-130	10	25
Dichlorodifluoromethane (Freon12)	16.1		µg/l		20.0		80	36.9-172	12	50
1,1-Dichloroethane	17.8		µg/l		20.0		89	70-130	12	25
1,2-Dichloroethane	19.3		µg/l		20.0		96	70-130	2	25
1,1-Dichloroethene	14.8		µg/l		20.0		74	70-130	15	25
cis-1,2-Dichloroethene	19.2		µg/l		20.0		96	70-130	5	25
trans-1,2-Dichloroethene	16.8		µg/l		20.0		84	70-130	12	25
1,2-Dichloropropane	19.2		µg/l		20.0		96	70-130	4	25
1,3-Dichloropropane	19.8		µg/l		20.0		99	70-130	3	25
2,2-Dichloropropane	15.4		µg/l		20.0		77	70-130	13	25
1,1-Dichloropropene	17.2		µg/l		20.0		86	70-130	14	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041707 - SW846 5030 Water MS										
LCS Dup (7041707-BSD1)										
Prepared & Analyzed: 26-Apr-07										
cis-1,3-Dichloropropene	17.6		µg/l		20.0		88	70-130	7	25
trans-1,3-Dichloropropene	17.4		µg/l		20.0		87	70-130	3	25
Ethylbenzene	18.0		µg/l		20.0		90	70-130	12	25
Hexachlorobutadiene	18.2		µg/l		20.0		91	70-136	17	50
2-Hexanone (MBK)	16.3		µg/l		20.0		82	70-130	5	25
Isopropylbenzene	16.8		µg/l		20.0		84	70-130	13	25
4-Isopropyltoluene	19.3		µg/l		20.0		96	70-130	12	25
Methyl tert-butyl ether	18.8		µg/l		20.0		94	70-130	2	25
4-Methyl-2-pentanone (MIBK)	18.2		µg/l		20.0		91	67.7-131	5	50
Methylene chloride	17.0		µg/l		20.0		85	70-130	8	25
Naphthalene	27.5	QC1	µg/l		20.0		138	70-130	39	25
n-Propylbenzene	18.1		µg/l		20.0		90	70-130	11	25
Styrene	19.3		µg/l		20.0		96	70-130	8	25
1,1,1,2-Tetrachloroethane	17.2		µg/l		20.0		86	70-130	2	25
1,1,2,2-Tetrachloroethane	21.7		µg/l		20.0		108	70-130	0	25
Tetrachloroethene	16.0		µg/l		20.0		80	70-130	18	25
Toluene	17.1		µg/l		20.0		86	70-130	11	25
1,2,3-Trichlorobenzene	23.0		µg/l		20.0		115	70-130	19	25
1,2,4-Trichlorobenzene	22.3		µg/l		20.0		112	70-130	22	25
1,1,1-Trichloroethane	15.9		µg/l		20.0		80	70-130	10	25
1,1,2-Trichloroethane	20.0		µg/l		20.0		100	70-130	2	25
Trichloroethene	17.2		µg/l		20.0		86	70-130	13	25
Trichlorofluoromethane (Freon 11)	16.5		µg/l		20.0		82	69-132	16	50
1,2,3-Trichloropropane	23.2		µg/l		20.0		116	70-130	2	25
1,2,4-Trimethylbenzene	21.0		µg/l		20.0		105	70-130	7	25
1,3,5-Trimethylbenzene	19.0		µg/l		20.0		95	70-130	5	25
Vinyl chloride	18.4		µg/l		20.0		92	70-130	9	25
m,p-Xylene	37.2		µg/l		40.0		93	70-130	10	25
o-Xylene	19.0		µg/l		20.0		95	70-130	7	25
Tetrahydrofuran	19.5		µg/l		20.0		98	70-130	2	25
Ethyl ether	18.7		µg/l		20.0		94	70-130	0	50
Tert-amyl methyl ether	21.3		µg/l		20.0		106	70-130	2	25
Ethyl tert-butyl ether	19.0		µg/l		20.0		95	70-130	1	25
Di-isopropyl ether	18.8		µg/l		20.0		94	70-130	2	25
Tert-Butanol / butyl alcohol	133	QC1	µg/l		200		66	70-130	9	25
1,4-Dioxane	202		µg/l		200		101	66.1-132	6	25
Surrogate: 4-Bromofluorobenzene	*50.4*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*48.5*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.6*		µg/l		*50.0*		*101*	*70-130*		
Surrogate: Dibromofluoromethane	*49.4*		µg/l		*50.0*		*99*	*70-130*		
Matrix Spike (7041707-MS1) **Source: SA61010-03**										
Prepared & Analyzed: 26-Apr-07										
Benzene	20.6		µg/l		20.0	BRL	103	70-130		
Chlorobenzene	22.9		µg/l		20.0	BRL	114	70-130		
1,1-Dichloroethene	13.4	QM7	µg/l		20.0	BRL	67	70-130		
Toluene	20.6		µg/l		20.0	BRL	103	70-130		
Trichloroethene	24.0		µg/l		20.0	6.63	87	70-130		
Surrogate: 4-Bromofluorobenzene	*49.0*		µg/l		*50.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*48.7*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.0*		µg/l		*50.0*		*100*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041707 - SW846 5030 Water MS										
Matrix Spike (7041707-MS1) **Source: SA61010-03**										
Prepared & Analyzed: 26-Apr-07										
Surrogate: Dibromofluoromethane	*49.6*		µg/l		*50.0*		*99*	*70-130*		
Matrix Spike Dup (7041707-MSD1) **Source: SA61010-03**										
Prepared & Analyzed: 26-Apr-07										
Benzene	20.2		µg/l		20.0	BRL	101	70-130	2	30
Chlorobenzene	23.0		µg/l		20.0	BRL	115	70-130	0.9	30
1,1-Dichloroethene	13.7	QM7	µg/l		20.0	BRL	68	70-130	1	30
Toluene	20.3		µg/l		20.0	BRL	102	70-130	1	30
Trichloroethene	23.8		µg/l		20.0	6.63	86	70-130	1	30
Surrogate: 4-Bromofluorobenzene	*50.2*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*48.4*		µg/l		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*50.1*		µg/l		*50.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*49.5*		µg/l		*50.0*		*99*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041538 - SW846 3545A										
Blank (7041538-BLK1)										
Prepared: 24-Apr-07 Analyzed: 26-Apr-07										
Aldrin	BRL	U	µg/kg wet	14.3						
a-BHC	BRL	U	µg/kg wet	14.3						
b-BHC	BRL	U	µg/kg wet	14.3						
d-BHC	BRL	U	µg/kg wet	14.3						
g-BHC (Lindane)	BRL	U	µg/kg wet	14.3						
Chlordane	BRL	U	µg/kg wet	71.5						
4,4'-DDD (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDE (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDT (p,p')	BRL	U	µg/kg wet	14.3						
Dieldrin	BRL	U	µg/kg wet	14.3						
Endosulfan I	BRL	U	µg/kg wet	14.3						
Endosulfan II	BRL	U	µg/kg wet	14.3						
Endosulfan Sulfate	BRL	U	µg/kg wet	14.3						
Endrin	BRL	U	µg/kg wet	14.3						
Endrin Aldehyde	BRL	U	µg/kg wet	14.3						
Heptachlor	BRL	U	µg/kg wet	14.3						
Methoxychlor	BRL	U	µg/kg wet	14.3						
Heptachlor Epoxide	BRL	U	µg/kg wet	14.3						
Toxaphene	BRL	U	µg/kg wet	71.5						
a-Chlordane	BRL	U	µg/kg wet	14.3						
g-Chlordane	BRL	U	µg/kg wet	14.3						
Endrin Ketone	BRL	U	µg/kg wet	14.3						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.4*		µg/kg wet		*28.6*		*64*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.0*		µg/kg wet		*28.6*		*98*	*30-150*		
LCS (7041538-BS1)										
Prepared: 24-Apr-07 Analyzed: 26-Apr-07										
Aldrin	28.5		µg/kg wet	14.3	28.6		100	40-140		
a-BHC	28.5		µg/kg wet	14.3	28.6		100	40-140		
b-BHC	25.8		µg/kg wet	14.3	28.6		90	40-140		
d-BHC	25.7		µg/kg wet	14.3	28.6		90	40-140		
g-BHC (Lindane)	28.1		µg/kg wet	14.3	28.6		98	40-140		
4,4'-DDD (p,p')	27.8		µg/kg wet	14.3	28.6		97	40-140		
4,4'-DDE (p,p')	26.6		µg/kg wet	14.3	28.6		93	40-140		
4,4'-DDT (p,p')	24.8		µg/kg wet	14.3	28.6		87	40-140		
Dieldrin	29.3		µg/kg wet	14.3	28.6		102	40-140		
Endosulfan I	30.3		µg/kg wet	14.3	28.6		106	40-140		
Endosulfan II	29.6		µg/kg wet	14.3	28.6		103	40-140		
Endosulfan Sulfate	28.7		µg/kg wet	14.3	28.6		100	40-140		
Endrin	31.0		µg/kg wet	14.3	28.6		108	40-140		
Endrin Aldehyde	27.3		µg/kg wet	14.3	28.6		95	40-140		
Heptachlor	29.4		µg/kg wet	14.3	28.6		103	40-140		
Methoxychlor	28.8		µg/kg wet	14.3	28.6		101	40-140		
Heptachlor Epoxide	29.4		µg/kg wet	14.3	28.6		103	40-140		
a-Chlordane	28.0		µg/kg wet	14.3	28.6		98	40-140		
g-Chlordane	28.2		µg/kg wet	14.3	28.6		99	40-140		
Endrin Ketone	31.3		µg/kg wet	14.3	28.6		109	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*28.6*		*63*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.1*		µg/kg wet		*28.6*		*91*	*30-150*		
LCS Dup (7041538-BSD1)										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041538 - SW846 3545A										
Prepared: 24-Apr-07 Analyzed: 26-Apr-07										
Aldrin	25.2		µg/kg wet	14.3	28.6		88	40-140	13	30
a-BHC	26.2		µg/kg wet	14.3	28.6		92	40-140	8	30
b-BHC	22.4		µg/kg wet	14.3	28.6		78	40-140	14	30
d-BHC	25.6		µg/kg wet	14.3	28.6		90	40-140	0	30
g-BHC (Lindane)	25.8		µg/kg wet	14.3	28.6		90	40-140	9	30
4,4'-DDD (p,p')	23.4		µg/kg wet	14.3	28.6		82	40-140	17	30
4,4'-DDE (p,p')	25.5		µg/kg wet	14.3	28.6		89	40-140	4	30
4,4'-DDT (p,p')	24.4		µg/kg wet	14.3	28.6		85	40-140	2	30
Dieldrin	25.3		µg/kg wet	14.3	28.6		88	40-140	15	30
Endosulfan I	29.5		µg/kg wet	14.3	28.6		103	40-140	3	30
Endosulfan II	26.7		µg/kg wet	14.3	28.6		93	40-140	10	30
Endosulfan Sulfate	26.1		µg/kg wet	14.3	28.6		91	40-140	9	30
Endrin	28.2		µg/kg wet	14.3	28.6		99	40-140	9	30
Endrin Aldehyde	21.4		µg/kg wet	14.3	28.6		75	40-140	24	30
Heptachlor	27.8		µg/kg wet	14.3	28.6		97	40-140	6	30
Methoxychlor	25.5		µg/kg wet	14.3	28.6		89	40-140	13	30
Heptachlor Epoxide	27.6		µg/kg wet	14.3	28.6		97	40-140	6	30
a-Chlordane	24.6		µg/kg wet	14.3	28.6		86	40-140	13	30
g-Chlordane	25.7		µg/kg wet	14.3	28.6		90	40-140	10	30
Endrin Ketone	25.3		µg/kg wet	14.3	28.6		88	40-140	21	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.1*		µg/kg wet		*28.6*		*56*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.5*		µg/kg wet		*28.6*		*75*	*30-150*		
Duplicate (7041538-DUP1) **Source: SA61010-01**										
Prepared: 24-Apr-07 Analyzed: 26-Apr-07										
Aldrin	BRL	U	µg/kg dry	17.5		BRL				30
a-BHC	BRL	U	µg/kg dry	17.5		BRL				30
b-BHC	BRL	U	µg/kg dry	17.5		BRL				30
d-BHC	BRL	U	µg/kg dry	17.5		BRL				30
g-BHC (Lindane)	BRL	U	µg/kg dry	17.5		BRL				30
Chlordane	BRL	U	µg/kg dry	87.3		BRL				30
4,4'-DDD (p,p')	BRL	U	µg/kg dry	17.5		BRL				30
4,4'-DDE (p,p')	BRL	U	µg/kg dry	17.5		BRL				30
4,4'-DDT (p,p')	BRL	U	µg/kg dry	17.5		BRL				30
Dieldrin	BRL	U	µg/kg dry	17.5		BRL				30
Endosulfan I	BRL	U	µg/kg dry	17.5		BRL				30
Endosulfan II	BRL	U	µg/kg dry	17.5		BRL				30
Endosulfan Sulfate	BRL	U	µg/kg dry	17.5		BRL				30
Endrin	BRL	U	µg/kg dry	17.5		BRL				30
Endrin Aldehyde	BRL	U	µg/kg dry	17.5		BRL				30
Heptachlor	BRL	U	µg/kg dry	17.5		BRL				30
Methoxychlor	BRL	U	µg/kg dry	17.5		BRL				30
Heptachlor Epoxide	BRL	U	µg/kg dry	17.5		BRL				30
Toxaphene	BRL	U	µg/kg dry	87.3		BRL				30
a-Chlordane	BRL	U	µg/kg dry	17.5		BRL				30
g-Chlordane	BRL	U	µg/kg dry	17.5		BRL				30
Endrin Ketone	BRL	U	µg/kg dry	17.5		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*24.8*		µg/kg dry		*34.9*		*71*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*47.6*		µg/kg dry		*34.9*		*136*	*30-150*		
Matrix Spike (7041538-MS1) **Source: SA61010-01**										
Prepared: 24-Apr-07 Analyzed: 26-Apr-07										
Aldrin	37.2		µg/kg dry	20.3	40.6	BRL	92	30-150		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041538 - SW846 3545A										
Matrix Spike (7041538-MS1) **Source: SA61010-01**										
Prepared: 24-Apr-07 Analyzed: 26-Apr-07										
a-BHC	36.3		µg/kg dry	20.3	40.6	BRL	89	30-150		
b-BHC	33.7		µg/kg dry	20.3	40.6	BRL	83	30-150		
d-BHC	39.8		µg/kg dry	20.3	40.6	BRL	98	30-150		
g-BHC (Lindane)	35.9		µg/kg dry	20.3	40.6	BRL	88	30-150		
4,4'-DDD (p,p')	41.1		µg/kg dry	20.3	40.6	BRL	101	30-150		
4,4'-DDE (p,p')	34.9		µg/kg dry	20.3	40.6	BRL	86	30-150		
4,4'-DDT (p,p')	45.9		µg/kg dry	20.3	40.6	BRL	113	30-150		
Dieldrin	39.6		µg/kg dry	20.3	40.6	BRL	98	30-150		
Endosulfan I	38.2		µg/kg dry	20.3	40.6	BRL	94	30-150		
Endosulfan II	44.8		µg/kg dry	20.3	40.6	BRL	110	30-150		
Endosulfan Sulfate	43.0		µg/kg dry	20.3	40.6	BRL	106	30-150		
Endrin	43.4		µg/kg dry	20.3	40.6	BRL	107	30-150		
Endrin Aldehyde	27.2		µg/kg dry	20.3	40.6	BRL	67	30-150		
Heptachlor	43.2		µg/kg dry	20.3	40.6	BRL	106	30-150		
Methoxychlor	51.4		µg/kg dry	20.3	40.6	BRL	127	30-150		
Heptachlor Epoxide	39.3		µg/kg dry	20.3	40.6	BRL	97	30-150		
a-Chlordane	38.9		µg/kg dry	20.3	40.6	BRL	96	30-150		
g-Chlordane	37.3		µg/kg dry	20.3	40.6	BRL	92	30-150		
Endrin Ketone	50.1		µg/kg dry	20.3	40.6	BRL	123	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.2*		µg/kg dry		*40.6*		*57*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*48.2*		µg/kg dry		*40.6*		*119*	*30-150*		
Matrix Spike Dup (7041538-MSD1) **Source: SA61010-01**										
Prepared: 24-Apr-07 Analyzed: 26-Apr-07										
Aldrin	37.1		µg/kg dry	17.5	35.0	BRL	106	30-150	14	30
a-BHC	33.7		µg/kg dry	17.5	35.0	BRL	96	30-150	8	30
b-BHC	38.4		µg/kg dry	17.5	35.0	BRL	110	30-150	28	30
d-BHC	35.5		µg/kg dry	17.5	35.0	BRL	101	30-150	3	30
g-BHC (Lindane)	35.9		µg/kg dry	17.5	35.0	BRL	103	30-150	16	30
4,4'-DDD (p,p')	41.1		µg/kg dry	17.5	35.0	BRL	117	30-150	15	30
4,4'-DDE (p,p')	36.3		µg/kg dry	17.5	35.0	BRL	104	30-150	19	30
4,4'-DDT (p,p')	46.3		µg/kg dry	17.5	35.0	BRL	132	30-150	16	30
Dieldrin	40.8		µg/kg dry	17.5	35.0	BRL	117	30-150	18	30
Endosulfan I	41.2		µg/kg dry	17.5	35.0	BRL	118	30-150	23	30
Endosulfan II	40.4		µg/kg dry	17.5	35.0	BRL	115	30-150	4	30
Endosulfan Sulfate	41.1		µg/kg dry	17.5	35.0	BRL	117	30-150	10	30
Endrin	42.4		µg/kg dry	17.5	35.0	BRL	121	30-150	12	30
Endrin Aldehyde	28.7		µg/kg dry	17.5	35.0	BRL	82	30-150	20	30
Heptachlor	44.3		µg/kg dry	17.5	35.0	BRL	127	30-150	18	30
Methoxychlor	51.8		µg/kg dry	17.5	35.0	BRL	148	30-150	15	30
Heptachlor Epoxide	39.7		µg/kg dry	17.5	35.0	BRL	113	30-150	15	30
a-Chlordane	41.2		µg/kg dry	17.5	35.0	BRL	118	30-150	21	50
g-Chlordane	41.1		µg/kg dry	17.5	35.0	BRL	117	30-150	24	50
Endrin Ketone	51.4		µg/kg dry	17.5	35.0	BRL	147	30-150	18	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*25.2*		µg/kg dry		*35.0*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*40.3*		µg/kg dry		*35.0*		*115*	*30-150*		
Batch 7041539 - SW846 3545A										
Blank (7041539-BLK1)										
Prepared: 24-Apr-07 Analyzed: 25-Apr-07										
Aroclor-1016	BRL	U	µg/kg wet	2.86						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041539 - SW846 3545A										
Blank (7041539-BLK1)										
Prepared: 24-Apr-07 Analyzed: 25-Apr-07										
Aroclor-1016 [2C]	BRL	U	µg/kg wet	2.86						
Aroclor-1221	BRL	U	µg/kg wet	2.86						
Aroclor-1221 [2C]	BRL	U	µg/kg wet	2.86						
Aroclor-1232	BRL	U	µg/kg wet	2.86						
Aroclor-1232 [2C]	BRL	U	µg/kg wet	2.86						
Aroclor-1242	BRL	U	µg/kg wet	2.86						
Aroclor-1242 [2C]	BRL	U	µg/kg wet	2.86						
Aroclor-1248	BRL	U	µg/kg wet	2.86						
Aroclor-1248 [2C]	BRL	U	µg/kg wet	2.86						
Aroclor-1254	BRL	U	µg/kg wet	2.86						
Aroclor-1254 [2C]	BRL	U	µg/kg wet	2.86						
Aroclor-1260	BRL	U	µg/kg wet	2.86						
Aroclor-1260 [2C]	BRL	U	µg/kg wet	2.86						
Aroclor-1262	BRL	U	µg/kg wet	2.86						
Aroclor-1262 [2C]	BRL	U	µg/kg wet	2.86						
Aroclor-1268	BRL	U	µg/kg wet	2.86						
Aroclor-1268 [2C]	BRL	U	µg/kg wet	2.86						
Surrogate: Decachlorobiphenyl (Sr)	*22.9*		µg/kg wet		*28.6*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*28.6*		µg/kg wet		*28.6*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*17.1*		µg/kg wet		*28.6*		*60*	*30-150*		
LCS (7041539-BS1)										
Prepared: 24-Apr-07 Analyzed: 26-Apr-07										
Aroclor-1016	389		µg/kg wet	2.86	357		109	50-140		
Aroclor-1016 [2C]	381		µg/kg wet	2.86	357		107	50-140		
Aroclor-1221	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1221 [2C]	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1232	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1232 [2C]	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1242	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1242 [2C]	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1248	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1248 [2C]	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1254	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1254 [2C]	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1260	360		µg/kg wet	2.86	357		101	50-140		
Aroclor-1260 [2C]	391		µg/kg wet	2.86	357		110	50-140		
Aroclor-1262	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1262 [2C]	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1268	BRL	U	µg/kg wet	2.86				50-140		
Aroclor-1268 [2C]	BRL	U	µg/kg wet	2.86				50-140		
Surrogate: Decachlorobiphenyl (Sr)	*20.0*		µg/kg wet		*28.6*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*25.7*		µg/kg wet		*28.6*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg wet		*28.6*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*14.3*		µg/kg wet		*28.6*		*50*	*30-150*		
LCS Dup (7041539-BSD1)										
Prepared: 24-Apr-07 Analyzed: 26-Apr-07										
Aroclor-1016	397		µg/kg wet	2.86	357		111	50-140	2	30
Aroclor-1016 [2C]	391		µg/kg wet	2.86	357		110	50-140	3	30
Aroclor-1221	BRL	U	µg/kg wet	2.86				50-140		30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041539 - SW846 3545A										
LCS Dup (7041539-BSD1)										
Prepared: 24-Apr-07 Analyzed: 26-Apr-07										
Aroclor-1221 [2C]	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1232	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1232 [2C]	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1242	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1242 [2C]	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1248	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1248 [2C]	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1254	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1254 [2C]	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1260	380		µg/kg wet	2.86	357		106	50-140	5	30
Aroclor-1260 [2C]	419		µg/kg wet	2.86	357		117	50-140	6	30
Aroclor-1262	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1262 [2C]	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1268	BRL	U	µg/kg wet	2.86				50-140		30
Aroclor-1268 [2C]	BRL	U	µg/kg wet	2.86				50-140		30
Surrogate: Decachlorobiphenyl (Sr)	*21.4*		µg/kg wet		*28.6*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*27.1*		µg/kg wet		*28.6*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg wet		*28.6*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*14.3*		µg/kg wet		*28.6*		*50*	*30-150*		
Duplicate (7041539-DUP1) **Source: SA61010-01**										
Prepared: 24-Apr-07 Analyzed: 25-Apr-07										
Aroclor-1016	BRL	U	µg/kg dry	3.49		BRL				40
Aroclor-1016 [2C]	BRL	U	µg/kg dry	3.49		BRL				40
Aroclor-1221	BRL	U	µg/kg dry	3.49		BRL				40
Aroclor-1221 [2C]	BRL	U	µg/kg dry	3.49		BRL				40
Aroclor-1232	BRL	U	µg/kg dry	3.49		BRL				40
Aroclor-1232 [2C]	BRL	U	µg/kg dry	3.49		BRL				40
Aroclor-1242	BRL	U	µg/kg dry	3.49		BRL				40
Aroclor-1242 [2C]	BRL	U	µg/kg dry	3.49		BRL				40
Aroclor-1248	BRL	U	µg/kg dry	3.49		BRL				40
Aroclor-1248 [2C]	BRL	U	µg/kg dry	3.49		BRL				40
Aroclor-1254	BRL	U	µg/kg dry	3.49		BRL				40
Aroclor-1254 [2C]	BRL	U	µg/kg dry	3.49		BRL				40
Aroclor-1260	BRL	U	µg/kg dry	3.49		BRL				40
Aroclor-1260 [2C]	BRL	U	µg/kg dry	3.49		BRL				40
Aroclor-1262	BRL	U	µg/kg dry	3.49		BRL				40
Aroclor-1262 [2C]	BRL	U	µg/kg dry	3.49		BRL				40
Aroclor-1268	BRL	U	µg/kg dry	3.49		BRL				40
Aroclor-1268 [2C]	BRL	U	µg/kg dry	3.49		BRL				40
Surrogate: Decachlorobiphenyl (Sr)	*29.7*		µg/kg dry		*34.9*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*34.9*		µg/kg dry		*34.9*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*24.4*		µg/kg dry		*34.9*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*20.9*		µg/kg dry		*34.9*		*60*	*30-150*		
Matrix Spike (7041539-MS1) **Source: SA61010-01**										
Prepared: 24-Apr-07 Analyzed: 26-Apr-07										
Aroclor-1016	477		µg/kg dry	3.44	430	BRL	111	40-135		
Aroclor-1016 [2C]	449		µg/kg dry	3.44	430	BRL	104	40-135		
Aroclor-1221	BRL	U	µg/kg dry	3.44		BRL		40-140		
Aroclor-1221 [2C]	BRL	U	µg/kg dry	3.44		BRL		40-140		
Aroclor-1232	BRL	U	µg/kg dry	3.44		BRL		40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041539 - SW846 3545A										
Matrix Spike (7041539-MS1) **Source: SA61010-01**										
Prepared: 24-Apr-07 Analyzed: 26-Apr-07										
Aroclor-1232 [2C]	BRL	U	µg/kg dry	3.44		BRL		40-140		
Aroclor-1242	BRL	U	µg/kg dry	3.44		BRL		40-140		
Aroclor-1242 [2C]	BRL	U	µg/kg dry	3.44		BRL		40-140		
Aroclor-1248	BRL	U	µg/kg dry	3.44		BRL		40-140		
Aroclor-1248 [2C]	BRL	U	µg/kg dry	3.44		BRL		40-140		
Aroclor-1254	BRL	U	µg/kg dry	3.44		BRL		40-140		
Aroclor-1254 [2C]	BRL	U	µg/kg dry	3.44		BRL		40-140		
Aroclor-1260	444		µg/kg dry	3.44	430	BRL	103	40-135		
Aroclor-1260 [2C]	458		µg/kg dry	3.44	430	BRL	107	40-135		
Aroclor-1262	BRL	U	µg/kg dry	3.44		BRL		40-140		
Aroclor-1262 [2C]	BRL	U	µg/kg dry	3.44		BRL		40-140		
Aroclor-1268	BRL	U	µg/kg dry	3.44		BRL		40-140		
Aroclor-1268 [2C]	BRL	U	µg/kg dry	3.44		BRL		40-140		
Surrogate: Decachlorobiphenyl (Sr)	*37.9*		µg/kg dry		*34.4*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*39.6*		µg/kg dry		*34.4*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*32.7*		µg/kg dry		*34.4*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*29.3*		µg/kg dry		*34.4*		*85*	*30-150*		
Matrix Spike Dup (7041539-MSD1) **Source: SA61010-01**										
Prepared: 24-Apr-07 Analyzed: 26-Apr-07										
Aroclor-1016	489		µg/kg dry	3.55	443	BRL	110	40-135	0.9	15
Aroclor-1016 [2C]	459		µg/kg dry	3.55	443	BRL	104	40-135	0	15
Aroclor-1221	BRL	U	µg/kg dry	3.55		BRL		40-140		50
Aroclor-1221 [2C]	BRL	U	µg/kg dry	3.55		BRL		40-140		50
Aroclor-1232	BRL	U	µg/kg dry	3.55		BRL		40-140		50
Aroclor-1232 [2C]	BRL	U	µg/kg dry	3.55		BRL		40-140		50
Aroclor-1242	BRL	U	µg/kg dry	3.55		BRL		40-140		50
Aroclor-1242 [2C]	BRL	U	µg/kg dry	3.55		BRL		40-140		50
Aroclor-1248	BRL	U	µg/kg dry	3.55		BRL		40-140		50
Aroclor-1248 [2C]	BRL	U	µg/kg dry	3.55		BRL		40-140		50
Aroclor-1254	BRL	U	µg/kg dry	3.55		BRL		40-140		50
Aroclor-1254 [2C]	BRL	U	µg/kg dry	3.55		BRL		40-140		50
Aroclor-1260	433		µg/kg dry	3.55	443	BRL	98	40-135	5	20
Aroclor-1260 [2C]	482		µg/kg dry	3.55	443	BRL	109	40-135	2	20
Aroclor-1262	BRL	U	µg/kg dry	3.55		BRL		40-140		50
Aroclor-1262 [2C]	BRL	U	µg/kg dry	3.55		BRL		40-140		50
Aroclor-1268	BRL	U	µg/kg dry	3.55		BRL		40-140		50
Aroclor-1268 [2C]	BRL	U	µg/kg dry	3.55		BRL		40-140		50
Surrogate: Decachlorobiphenyl (Sr)	*39.0*		µg/kg dry		*35.5*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*44.3*		µg/kg dry		*35.5*		*125*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*37.2*		µg/kg dry		*35.5*		*105*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*31.9*		µg/kg dry		*35.5*		*90*	*30-150*		
Batch 7041558 - SW846 3510C										
Blank (7041558-BLK1)										
Prepared & Analyzed: 25-Apr-07										
Aroclor-1016	BRL	U	µg/l	0.200						
Aroclor-1016 [2C]	BRL	U	µg/l	0.200						
Aroclor-1221	BRL	U	µg/l	0.200						
Aroclor-1221 [2C]	BRL	U	µg/l	0.200						
Aroclor-1232	BRL	U	µg/l	0.200						
Aroclor-1232 [2C]	BRL	U	µg/l	0.200						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041558 - SW846 3510C										
Blank (7041558-BLK1)										
Prepared & Analyzed: 25-Apr-07										
Aroclor-1242	BRL	U	µg/l	0.200						
Aroclor-1242 [2C]	BRL	U	µg/l	0.200						
Aroclor-1248	BRL	U	µg/l	0.200						
Aroclor-1248 [2C]	BRL	U	µg/l	0.200						
Aroclor-1254	BRL	U	µg/l	0.200						
Aroclor-1254 [2C]	BRL	U	µg/l	0.200						
Aroclor-1260	BRL	U	µg/l	0.200						
Aroclor-1260 [2C]	BRL	U	µg/l	0.200						
Aroclor-1262	BRL	U	µg/l	0.200						
Aroclor-1262 [2C]	BRL	U	µg/l	0.200						
Aroclor-1268	BRL	U	µg/l	0.200						
Aroclor-1268 [2C]	BRL	U	µg/l	0.200						
Surrogate: Decachlorobiphenyl (Sr)	*0.150*		µg/l		*0.200*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.190*		µg/l		*0.200*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.140*		µg/l		*0.200*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.120*		µg/l		*0.200*		*60*	*30-150*		
LCS (7041558-BS1)										
Prepared & Analyzed: 25-Apr-07										
Aroclor-1016	2.27		µg/l	0.200	2.50		91	50-140		
Aroclor-1016 [2C]	2.26		µg/l	0.200	2.50		90	50-140		
Aroclor-1221	BRL	U	µg/l	0.200				50-140		
Aroclor-1221 [2C]	BRL	U	µg/l	0.200				50-140		
Aroclor-1232	BRL	U	µg/l	0.200				50-140		
Aroclor-1232 [2C]	BRL	U	µg/l	0.200				50-140		
Aroclor-1242	BRL	U	µg/l	0.200				50-140		
Aroclor-1242 [2C]	BRL	U	µg/l	0.200				50-140		
Aroclor-1248	BRL	U	µg/l	0.200				50-140		
Aroclor-1248 [2C]	BRL	U	µg/l	0.200				50-140		
Aroclor-1254	BRL	U	µg/l	0.200				50-140		
Aroclor-1254 [2C]	BRL	U	µg/l	0.200				50-140		
Aroclor-1260	2.16		µg/l	0.200	2.50		86	50-140		
Aroclor-1260 [2C]	2.40		µg/l	0.200	2.50		96	50-140		
Aroclor-1262	BRL	U	µg/l	0.200				50-140		
Aroclor-1262 [2C]	BRL	U	µg/l	0.200				50-140		
Aroclor-1268	BRL	U	µg/l	0.200				50-140		
Aroclor-1268 [2C]	BRL	U	µg/l	0.200				50-140		
Surrogate: Decachlorobiphenyl (Sr)	*0.150*		µg/l		*0.200*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.190*		µg/l		*0.200*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.130*		µg/l		*0.200*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.110*		µg/l		*0.200*		*55*	*30-150*		
LCS Dup (7041558-BSD1)										
Prepared & Analyzed: 25-Apr-07										
Aroclor-1016	2.45		µg/l	0.200	2.50		98	50-140	7	30
Aroclor-1016 [2C]	2.34		µg/l	0.200	2.50		94	50-140	4	30
Aroclor-1221	BRL	U	µg/l	0.200				50-140		30
Aroclor-1221 [2C]	BRL	U	µg/l	0.200				50-140		30
Aroclor-1232	BRL	U	µg/l	0.200				50-140		30
Aroclor-1232 [2C]	BRL	U	µg/l	0.200				50-140		30
Aroclor-1242	BRL	U	µg/l	0.200				50-140		30
Aroclor-1242 [2C]	BRL	U	µg/l	0.200				50-140		30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041558 - SW846 3510C										
LCS Dup (7041558-BSD1)										
Prepared & Analyzed: 25-Apr-07										
Aroclor-1248	BRL	U	µg/l	0.200				50-140		30
Aroclor-1248 [2C]	BRL	U	µg/l	0.200				50-140		30
Aroclor-1254	BRL	U	µg/l	0.200				50-140		30
Aroclor-1254 [2C]	BRL	U	µg/l	0.200				50-140		30
Aroclor-1260	2.16		µg/l	0.200	2.50		86	50-140	0	30
Aroclor-1260 [2C]	2.34		µg/l	0.200	2.50		94	50-140	2	30
Aroclor-1262	BRL	U	µg/l	0.200				50-140		30
Aroclor-1262 [2C]	BRL	U	µg/l	0.200				50-140		30
Aroclor-1268	BRL	U	µg/l	0.200				50-140		30
Aroclor-1268 [2C]	BRL	U	µg/l	0.200				50-140		30
Surrogate: Decachlorobiphenyl (Sr)	*0.160*		µg/l		*0.200*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.180*		µg/l		*0.200*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.120*		µg/l		*0.200*		*60*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.110*		µg/l		*0.200*		*55*	*30-150*		
Batch 7041562 - SW846 3550B										
Blank (7041562-BLK1)										
Prepared & Analyzed: 25-Apr-07										
2,4-D	BRL	U	µg/kg wet	6.70						
2,4,5-T	BRL	U	µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL	U	µg/kg wet	6.70						
2,4-DB	BRL	U	µg/kg wet	6.70						
Dalapon	BRL	U	µg/kg wet	6.70						
Dicamba	BRL	U	µg/kg wet	6.70						
Dinoseb	BRL	U	µg/kg wet	6.70						
Dichlorprop	BRL	U	µg/kg wet	6.70						
MCPB	BRL	U	µg/kg wet	670						
MCPA	BRL	U	µg/kg wet	670						
MCPP	BRL	U	µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.00*		µg/kg wet		*13.3*		*60*	*30-150*		
LCS (7041562-BS1)										
Prepared & Analyzed: 25-Apr-07										
2,4-D	34.4		µg/kg wet	6.70	33.3		103	40-140		
2,4,5-T	37.3		µg/kg wet	6.70	33.3		112	40-140		
2,4,5-TP (Silvex)	34.2		µg/kg wet	6.70	33.3		103	40-140		
2,4-DB	33.5		µg/kg wet	6.70	33.3		101	40-140		
Dalapon	26.3		µg/kg wet	6.70	33.3		79	40-140		
Dicamba	33.9		µg/kg wet	6.70	33.3		102	40-140		
Dinoseb	34.3		µg/kg wet	6.70	33.3		103	40-140		
Dichlorprop	33.5		µg/kg wet	6.70	33.3		101	40-140		
MCPB	11200		µg/kg wet	670	10000		112	40-140		
MCPA	11200		µg/kg wet	670	10000		112	40-140		
MCPP	9920		µg/kg wet	670	10000		99	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.9*		µg/kg wet		*13.3*		*127*	*30-150*		
LCS Dup (7041562-BSD1)										
Prepared & Analyzed: 25-Apr-07										
2,4-D	36.9		µg/kg wet	6.70	33.3		111	40-140	7	25
2,4,5-T	34.2		µg/kg wet	6.70	33.3		103	40-140	8	25
2,4,5-TP (Silvex)	32.5		µg/kg wet	6.70	33.3		98	40-140	5	25
2,4-DB	31.9		µg/kg wet	6.70	33.3		96	40-140	5	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041562 - SW846 3550B										
LCS Dup (7041562-BSD1)										
Prepared & Analyzed: 25-Apr-07										
Dalapon	28.4		µg/kg wet	6.70	33.3		85	40-140	7	25
Dicamba	31.6		µg/kg wet	6.70	33.3		95	40-140	7	25
Dinoseb	32.7		µg/kg wet	6.70	33.3		98	40-140	5	25
Dichlorprop	32.3		µg/kg wet	6.70	33.3		97	40-140	4	25
MCPB	11300		µg/kg wet	670	10000		113	40-140	0.9	25
MCPA	11200		µg/kg wet	670	10000		112	40-140	0	25
MCPP	9450		µg/kg wet	670	10000		94	40-140	5	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.7*		µg/kg wet		*13.3*		*118*	*30-150*		
Duplicate (7041562-DUP1) **Source: SA61010-02**										
Prepared: 25-Apr-07 Analyzed: 26-Apr-07										
2,4-D	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-T	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70		BRL				30
2,4-DB	BRL	U	µg/kg dry	6.70		BRL				30
Dalapon	BRL	U	µg/kg dry	6.70		BRL				30
Dicamba	BRL	U	µg/kg dry	6.70		BRL				30
Dinoseb	BRL	U	µg/kg dry	6.70		BRL				30
Dichlorprop	BRL	U	µg/kg dry	6.70		BRL				30
MCPB	BRL	U	µg/kg dry	670		BRL				30
MCPA	BRL	U	µg/kg dry	670		BRL				30
MCPP	BRL	U	µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.28*		µg/kg dry		*16.6*		*50*	*30-150*		
Batch 7041668 - SW846 3535										
Blank (7041668-BLK1)										
Prepared & Analyzed: 26-Apr-07										
Chlordane	BRL	U	µg/l	0.100						
Endrin	BRL	U	µg/l	0.020						
Heptachlor	BRL	U	µg/l	0.020						
Heptachlor Epoxide	BRL	U	µg/l	0.020						
g-BHC (Lindane)	BRL	U	µg/l	0.020						
Methoxychlor	BRL	U	µg/l	0.020						
Toxaphene	BRL	U	µg/l	0.100						
4,4'-DDD (p,p')	BRL	U	µg/l	0.020						
4,4'-DDE (p,p')	BRL	U	µg/l	0.020						
4,4'-DDT (p,p')	BRL	U	µg/l	0.020						
Dieldrin	BRL	U	µg/l	0.020						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0292*		µg/l		*0.0400*		*73*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0316*		µg/l		*0.0400*		*79*	*30-150*		
LCS (7041668-BS1)										
Prepared & Analyzed: 26-Apr-07										
Endrin	0.017		µg/l	0.010	0.0200		85	40-140		
Heptachlor	0.014		µg/l	0.010	0.0200		70	40-140		
Heptachlor Epoxide	0.014		µg/l	0.010	0.0200		70	40-140		
g-BHC (Lindane)	0.013		µg/l	0.010	0.0200		65	40-140		
Methoxychlor	0.017		µg/l	0.010	0.0200		85	40-140		
4,4'-DDD (p,p')	0.013		µg/l	0.010	0.0200		65	40-140		
4,4'-DDE (p,p')	0.014		µg/l	0.010	0.0200		70	40-140		
4,4'-DDT (p,p')	0.016		µg/l	0.010	0.0200		80	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041668 - SW846 3535										
LCS (7041668-BS1)										
Prepared & Analyzed: 26-Apr-07										
Dieldrin	0.014		µg/l	0.010	0.0200		70	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0134*		µg/l		*0.0200*		*67*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0149*		µg/l		*0.0200*		*74*	*30-150*		
LCS Dup (7041668-BSD1)										
Prepared & Analyzed: 26-Apr-07										
Endrin	0.014		µg/l	0.010	0.0200		70	40-140	19	30
Heptachlor	0.013		µg/l	0.010	0.0200		65	40-140	7	30
Heptachlor Epoxide	0.013		µg/l	0.010	0.0200		65	40-140	7	30
g-BHC (Lindane)	0.012		µg/l	0.010	0.0200		60	40-140	8	30
Methoxychlor	0.015		µg/l	0.010	0.0200		75	40-140	12	30
4,4'-DDD (p,p')	0.012		µg/l	0.010	0.0200		60	40-140	8	30
4,4'-DDE (p,p')	0.013		µg/l	0.010	0.0200		65	40-140	7	30
4,4'-DDT (p,p')	0.014		µg/l	0.010	0.0200		70	40-140	13	30
Dieldrin	0.013		µg/l	0.010	0.0200		65	40-140	7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0132*		µg/l		*0.0200*		*66*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.0138*		µg/l		*0.0200*		*69*	*30-150*		
Duplicate (7041668-DUP1) **Source: SA61010-06**										
Prepared & Analyzed: 26-Apr-07										
Chlordane	BRL	U	µg/l	0.400		BRL				30
Endrin	BRL	U	µg/l	0.080		BRL				30
Heptachlor	BRL	U	µg/l	0.080		BRL				30
Heptachlor Epoxide	BRL	U	µg/l	0.080		BRL				30
g-BHC (Lindane)	BRL	U	µg/l	0.080		BRL				30
Methoxychlor	BRL	U	µg/l	0.080		BRL				30
Toxaphene	BRL	U	µg/l	0.400		BRL				30
4,4'-DDD (p,p')	BRL	U	µg/l	0.080		BRL				30
4,4'-DDE (p,p')	BRL	U	µg/l	0.080		BRL				30
4,4'-DDT (p,p')	BRL	U	µg/l	0.080		BRL				30
Dieldrin	BRL	U	µg/l	0.080		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.140*		µg/l		*0.160*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.103*		µg/l		*0.160*		*64*	*30-150*		
Batch 7041669 - SW846 3535										
Blank (7041669-BLK1)										
Prepared & Analyzed: 26-Apr-07										
Aroclor-1016	BRL	U	µg/kg wet	0.0400						
Aroclor-1016 [2C]	BRL	U	µg/kg wet	0.0400						
Aroclor-1221	BRL	U	µg/kg wet	0.0400						
Aroclor-1221 [2C]	BRL	U	µg/kg wet	0.0400						
Aroclor-1232	BRL	U	µg/kg wet	0.0400						
Aroclor-1232 [2C]	BRL	U	µg/kg wet	0.0400						
Aroclor-1242	BRL	U	µg/kg wet	0.0400						
Aroclor-1242 [2C]	BRL	U	µg/kg wet	0.0400						
Aroclor-1248	BRL	U	µg/kg wet	0.0400						
Aroclor-1248 [2C]	BRL	U	µg/kg wet	0.0400						
Aroclor-1254	BRL	U	µg/kg wet	0.0400						
Aroclor-1254 [2C]	BRL	U	µg/kg wet	0.0400						
Aroclor-1260	BRL	U	µg/kg wet	0.0400						
Aroclor-1260 [2C]	BRL	U	µg/kg wet	0.0400						
Aroclor-1262	BRL	U	µg/kg wet	0.0400						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041669 - SW846 3535										
Blank (7041669-BLK1)										
Prepared & Analyzed: 26-Apr-07										
Aroclor-1262 [2C]	BRL	U	µg/kg wet	0.0400						
Aroclor-1268	BRL	U	µg/kg wet	0.0400						
Aroclor-1268 [2C]	BRL	U	µg/kg wet	0.0400						
Surrogate: Decachlorobiphenyl (Sr)	*0.0320*		µg/kg wet		*0.0400*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.0320*		µg/kg wet		*0.0400*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0220*		µg/kg wet		*0.0400*		*55*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.0200*		µg/kg wet		*0.0400*		*50*	*30-150*		
LCS (7041669-BS1)										
Prepared & Analyzed: 26-Apr-07										
Aroclor-1016	0.257		µg/kg wet	0.0200	0.250		103	50-140		
Aroclor-1016 [2C]	0.228		µg/kg wet	0.0200	0.250		91	50-140		
Aroclor-1221	BRL	U	µg/kg wet	0.0200				50-140		
Aroclor-1221 [2C]	BRL	U	µg/kg wet	0.0200				50-140		
Aroclor-1232	BRL	U	µg/kg wet	0.0200				50-140		
Aroclor-1232 [2C]	BRL	U	µg/kg wet	0.0200				50-140		
Aroclor-1242	BRL	U	µg/kg wet	0.0200				50-140		
Aroclor-1242 [2C]	BRL	U	µg/kg wet	0.0200				50-140		
Aroclor-1248	BRL	U	µg/kg wet	0.0200				50-140		
Aroclor-1248 [2C]	BRL	U	µg/kg wet	0.0200				50-140		
Aroclor-1254	BRL	U	µg/kg wet	0.0200				50-140		
Aroclor-1254 [2C]	BRL	U	µg/kg wet	0.0200				50-140		
Aroclor-1260	0.225		µg/kg wet	0.0200	0.250		90	50-140		
Aroclor-1260 [2C]	0.224		µg/kg wet	0.0200	0.250		90	50-140		
Aroclor-1262	BRL	U	µg/kg wet	0.0200				50-140		
Aroclor-1262 [2C]	BRL	U	µg/kg wet	0.0200				50-140		
Aroclor-1268	BRL	U	µg/kg wet	0.0200				50-140		
Aroclor-1268 [2C]	BRL	U	µg/kg wet	0.0200				50-140		
Surrogate: Decachlorobiphenyl (Sr)	*0.0140*		µg/kg wet		*0.0200*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.0140*		µg/kg wet		*0.0200*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.00900*		µg/kg wet		*0.0200*		*45*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.00800*		µg/kg wet		*0.0200*		*40*	*30-150*		
LCS Dup (7041669-BSD1)										
Prepared & Analyzed: 26-Apr-07										
Aroclor-1016	0.252		µg/kg wet	0.0200	0.250		101	50-140	2	30
Aroclor-1016 [2C]	0.222		µg/kg wet	0.0200	0.250		89	50-140	2	30
Aroclor-1221	BRL	U	µg/kg wet	0.0200				50-140		30
Aroclor-1221 [2C]	BRL	U	µg/kg wet	0.0200				50-140		30
Aroclor-1232	BRL	U	µg/kg wet	0.0200				50-140		30
Aroclor-1232 [2C]	BRL	U	µg/kg wet	0.0200				50-140		30
Aroclor-1242	BRL	U	µg/kg wet	0.0200				50-140		30
Aroclor-1242 [2C]	BRL	U	µg/kg wet	0.0200				50-140		30
Aroclor-1248	BRL	U	µg/kg wet	0.0200				50-140		30
Aroclor-1248 [2C]	BRL	U	µg/kg wet	0.0200				50-140		30
Aroclor-1254	BRL	U	µg/kg wet	0.0200				50-140		30
Aroclor-1254 [2C]	BRL	U	µg/kg wet	0.0200				50-140		30
Aroclor-1260	0.230		µg/kg wet	0.0200	0.250		92	50-140	2	30
Aroclor-1260 [2C]	0.221		µg/kg wet	0.0200	0.250		88	50-140	2	30
Aroclor-1262	BRL	U	µg/kg wet	0.0200				50-140		30
Aroclor-1262 [2C]	BRL	U	µg/kg wet	0.0200				50-140		30
Aroclor-1268	BRL	U	µg/kg wet	0.0200				50-140		30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041669 - SW846 3535										
LCS Dup (7041669-BSD1)										
Prepared & Analyzed: 26-Apr-07										
Aroclor-1268 [2C]	BRL	U	µg/kg wet	0.0200				50-140		30
Surrogate: Decachlorobiphenyl (Sr)	*0.0140*		µg/kg wet		*0.0200*		*70*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.0140*		µg/kg wet		*0.0200*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0100*		µg/kg wet		*0.0200*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.00800*		µg/kg wet		*0.0200*		*40*	*30-150*		
Duplicate (7041669-DUP1) **Source: SA61010-06**										
Prepared & Analyzed: 26-Apr-07										
Aroclor-1016	BRL	U	µg/kg dry	0.174		BRL				40
Aroclor-1016 [2C]	BRL	U	µg/kg dry	0.174		BRL				40
Aroclor-1221	BRL	U	µg/kg dry	0.174		BRL				40
Aroclor-1221 [2C]	BRL	U	µg/kg dry	0.174		BRL				40
Aroclor-1232	BRL	U	µg/kg dry	0.174		BRL				40
Aroclor-1232 [2C]	BRL	U	µg/kg dry	0.174		BRL				40
Aroclor-1242	BRL	U	µg/kg dry	0.174		BRL				40
Aroclor-1242 [2C]	BRL	U	µg/kg dry	0.174		BRL				40
Aroclor-1248	BRL	U	µg/kg dry	0.174		BRL				40
Aroclor-1248 [2C]	BRL	U	µg/kg dry	0.174		BRL				40
Aroclor-1254	BRL	U	µg/kg dry	0.174		BRL				40
Aroclor-1254 [2C]	BRL	U	µg/kg dry	0.174		BRL				40
Aroclor-1260	BRL	U	µg/kg dry	0.174		BRL				40
Aroclor-1260 [2C]	BRL	U	µg/kg dry	0.174		BRL				40
Aroclor-1262	BRL	U	µg/kg dry	0.174		BRL				40
Aroclor-1262 [2C]	BRL	U	µg/kg dry	0.174		BRL				40
Aroclor-1268	BRL	U	µg/kg dry	0.174		BRL				40
Aroclor-1268 [2C]	BRL	U	µg/kg dry	0.174		BRL				40
Surrogate: Decachlorobiphenyl (Sr)	*0.104*		µg/kg dry		*0.174*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.113*		µg/kg dry		*0.174*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0696*		µg/kg dry		*0.174*		*40*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.0696*		µg/kg dry		*0.174*		*40*	*30-150*		
Batch 7041671 - SW846 3535										
Blank (7041671-BLK1)										
Prepared & Analyzed: 26-Apr-07										
2,4-D	BRL	U	µg/l	0.100						
2,4,5-TP (Silvex)	BRL	U	µg/l	0.100						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.126*		µg/l		*0.200*		*63*	*30-150*		
LCS (7041671-BS1)										
Prepared & Analyzed: 26-Apr-07										
2,4-D	0.527		µg/l	0.100	0.500		105	40-140		
2,4,5-TP (Silvex)	0.524		µg/l	0.100	0.500		105	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.265*		µg/l		*0.400*		*66*	*30-150*		
LCS Dup (7041671-BSD1)										
Prepared & Analyzed: 26-Apr-07										
2,4-D	0.558		µg/l	0.100	0.500		112	40-140	6	25
2,4,5-TP (Silvex)	0.525		µg/l	0.100	0.500		105	40-140	0	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.267*		µg/l		*0.400*		*67*	*30-150*		
Duplicate (7041671-DUP1) **Source: SA61010-06**										
Prepared & Analyzed: 26-Apr-07										
2,4-D	BRL	U	µg/l	0.100		BRL				30
2,4,5-TP (Silvex)	BRL	U	µg/l	0.100		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041671 - SW846 3535										
Duplicate (7041671-DUP1) **Source: SA61010-06**										
Prepared & Analyzed: 26-Apr-07										
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.171*		µg/l		*0.222*		*77*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041557 - SW846 3510C										
Blank (7041557-BLK1)										
Prepared: 25-Apr-07 Analyzed: 26-Apr-07										
Acenaphthene	BRL	U	µg/l	5.00						
Acenaphthylene	BRL	U	µg/l	5.00						
Aniline	BRL	U	µg/l	5.00						
Anthracene	BRL	U	µg/l	5.00						
Atrazine	BRL	U	µg/l	5.00						
Azobenzene/Diphenyldiazine	BRL	U	µg/l	5.00						
Benzidine	BRL	U	µg/l	5.00						
Benzo (a) anthracene	BRL	U	µg/l	5.00						
Benzo (a) pyrene	BRL	U	µg/l	5.00						
Benzo (b) fluoranthene	BRL	U	µg/l	5.00						
Benzo (g,h,i) perylene	BRL	U	µg/l	5.00						
Benzo (k) fluoranthene	BRL	U	µg/l	5.00						
Benzoic acid	BRL	U	µg/l	5.00						
Benzyl alcohol	BRL	U	µg/l	5.00						
Bis(2-chloroethoxy)methane	BRL	U	µg/l	5.00						
Bis(2-chloroethyl)ether	BRL	U	µg/l	5.00						
Bis(2-chloroisopropyl)ether	BRL	U	µg/l	5.00						
Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.00						
4-Bromophenyl phenyl ether	BRL	U	µg/l	5.00						
Butyl benzyl phthalate	BRL	U	µg/l	5.00						
Carbazole	BRL	U	µg/l	5.00						
4-Chloro-3-methylphenol	BRL	U	µg/l	5.00						
4-Chloroaniline	BRL	U	µg/l	5.00						
2-Chloronaphthalene	BRL	U	µg/l	5.00						
2-Chlorophenol	BRL	U	µg/l	5.00						
4-Chlorophenyl phenyl ether	BRL	U	µg/l	5.00						
Chrysene	BRL	U	µg/l	5.00						
Dibenzo (a,h) anthracene	BRL	U	µg/l	5.00						
Dibenzofuran	BRL	U	µg/l	5.00						
1,2-Dichlorobenzene	BRL	U	µg/l	5.00						
1,3-Dichlorobenzene	BRL	U	µg/l	5.00						
1,4-Dichlorobenzene	BRL	U	µg/l	5.00						
3,3´-Dichlorobenzidine	BRL	U	µg/l	5.00						
2,4-Dichlorophenol	BRL	U	µg/l	5.00						
Diethyl phthalate	BRL	U	µg/l	5.00						
Dimethyl phthalate	BRL	U	µg/l	5.00						
2,4-Dimethylphenol	BRL	U	µg/l	5.00						
Di-n-butyl phthalate	BRL	U	µg/l	5.00						
4,6-Dinitro-2-methylphenol	BRL	U	µg/l	5.00						
2,4-Dinitrophenol	BRL	U	µg/l	5.00						
2,4-Dinitrotoluene	BRL	U	µg/l	5.00						
2,6-Dinitrotoluene	BRL	U	µg/l	5.00						
Di-n-octyl phthalate	BRL	U	µg/l	5.00						
Fluoranthene	BRL	U	µg/l	5.00						
Fluorene	BRL	U	µg/l	5.00						
Hexachlorobenzene	BRL	U	µg/l	5.00						
Hexachlorobutadiene	BRL	U	µg/l	5.00						
Hexachlorocyclopentadiene	BRL	U	µg/l	5.00						
Hexachloroethane	BRL	U	µg/l	5.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041557 - SW846 3510C										
Blank (7041557-BLK1)										
Prepared: 25-Apr-07 Analyzed: 26-Apr-07										
Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	5.00						
Isophorone	BRL	U	µg/l	5.00						
2-Methylnaphthalene	BRL	U	µg/l	5.00						
2-Methylphenol	BRL	U	µg/l	5.00						
3,4-Methylphenol	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	5.00						
2-Nitroaniline	BRL	U	µg/l	5.00						
3-Nitroaniline	BRL	U	µg/l	5.00						
4-Nitroaniline	BRL	U	µg/l	20.0						
Nitrobenzene	BRL	U	µg/l	5.00						
2-Nitrophenol	BRL	U	µg/l	5.00						
4-Nitrophenol	BRL	U	µg/l	20.0						
N-Nitrosodimethylamine	BRL	U	µg/l	5.00						
N-Nitrosodi-n-propylamine	BRL	U	µg/l	5.00						
N-Nitrosodiphenylamine	BRL	U	µg/l	5.00						
Pentachlorophenol	BRL	U	µg/l	20.0						
Phenanthrene	BRL	U	µg/l	5.00						
Phenol	BRL	U	µg/l	5.00						
Pyrene	BRL	U	µg/l	5.00						
Pyridine	BRL	U	µg/l	5.00						
1,2,4-Trichlorobenzene	BRL	U	µg/l	5.00						
1-Methylnaphthalene	BRL	U	µg/l	5.00						
2,4,5-Trichlorophenol	BRL	U	µg/l	5.00						
2,4,6-Trichlorophenol	BRL	U	µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*85.1*		µg/l		*100*		*85*	*30-130*		
Surrogate: 2-Fluorophenol	*96.8*		µg/l		*100*		*97*	*15-110*		
Surrogate: Nitrobenzene-d5	*87.0*		µg/l		*100*		*87*	*30-130*		
Surrogate: Phenol-d5	*92.8*		µg/l		*100*		*93*	*15-110*		
Surrogate: Terphenyl-dl4	*94.7*		µg/l		*100*		*95*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*84.4*		µg/l		*100*		*84*	*15-110*		
LCS (7041557-BS1)										
Prepared: 25-Apr-07 Analyzed: 26-Apr-07										
Acenaphthene	84.8		µg/l	5.00	100		85	40-130		
Acenaphthylene	89.8		µg/l	5.00	100		90	40-130		
Aniline	114		µg/l	5.00	100		114	40-130		
Anthracene	84.1		µg/l	5.00	100		84	40-130		
Atrazine	145		µg/l	5.00	100		145	0-200		
Azobenzene/Diphenyldiazine	99.5		µg/l	5.00	100		100	40-130		
Benzidine	113		µg/l	5.00	100		113	0-212		
Benzo (a) anthracene	89.7		µg/l	5.00	100		90	40-130		
Benzo (a) pyrene	91.4		µg/l	5.00	100		91	40-130		
Benzo (b) fluoranthene	92.4		µg/l	5.00	100		92	40-130		
Benzo (g,h,i) perylene	96.3		µg/l	5.00	100		96	40-130		
Benzo (k) fluoranthene	76.4		µg/l	5.00	100		76	40-130		
Benzoic acid	96.0		µg/l	5.00	100		96	10.5-130		
Benzyl alcohol	84.6		µg/l	5.00	100		85	40-130		
Bis(2-chloroethoxy)methane	84.2		µg/l	5.00	100		84	40-130		
Bis(2-chloroethyl)ether	74.8		µg/l	5.00	100		75	40-130		
Bis(2-chloroisopropyl)ether	93.7		µg/l	5.00	100		94	40-130		
Bis(2-ethylhexyl)phthalate	88.1		µg/l	5.00	100		88	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041557 - SW846 3510C										
LCS (7041557-BS1)										
Prepared: 25-Apr-07 Analyzed: 26-Apr-07										
4-Bromophenyl phenyl ether	89.9		µg/l	5.00	100		90	40-130		
Butyl benzyl phthalate	88.3		µg/l	5.00	100		88	40-130		
Carbazole	115		µg/l	5.00	100		115	40-130		
4-Chloro-3-methylphenol	78.8		µg/l	5.00	100		79	40-130		
4-Chloroaniline	77.8		µg/l	5.00	100		78	40-130		
2-Chloronaphthalene	86.6		µg/l	5.00	100		87	40-130		
2-Chlorophenol	72.3		µg/l	5.00	100		72	40-130		
4-Chlorophenyl phenyl ether	85.7		µg/l	5.00	100		86	40-130		
Chrysene	89.2		µg/l	5.00	100		89	40-130		
Dibenzo (a,h) anthracene	99.8		µg/l	5.00	100		100	40-130		
Dibenzofuran	88.0		µg/l	5.00	100		88	40-130		
1,2-Dichlorobenzene	75.6		µg/l	5.00	100		76	40-130		
1,3-Dichlorobenzene	73.5		µg/l	5.00	100		74	40-130		
1,4-Dichlorobenzene	75.7		µg/l	5.00	100		76	40-130		
3,3´-Dichlorobenzidine	90.5		µg/l	5.00	100		90	40-130		
2,4-Dichlorophenol	74.5		µg/l	5.00	100		74	40-130		
Diethyl phthalate	87.9		µg/l	5.00	100		88	40-130		
Dimethyl phthalate	79.5		µg/l	5.00	100		80	40-130		
2,4-Dimethylphenol	74.1		µg/l	5.00	100		74	40-130		
Di-n-butyl phthalate	76.1		µg/l	5.00	100		76	40-130		
4,6-Dinitro-2-methylphenol	96.6		µg/l	5.00	100		97	40-130		
2,4-Dinitrophenol	102		µg/l	5.00	100		102	40-130		
2,4-Dinitrotoluene	105		µg/l	5.00	100		105	40-130		
2,6-Dinitrotoluene	99.6		µg/l	5.00	100		100	40-130		
Di-n-octyl phthalate	85.7		µg/l	5.00	100		86	40-130		
Fluoranthene	87.6		µg/l	5.00	100		88	40-130		
Fluorene	85.2		µg/l	5.00	100		85	40-130		
Hexachlorobenzene	89.0		µg/l	5.00	100		89	40-130		
Hexachlorobutadiene	78.1		µg/l	5.00	100		78	40-130		
Hexachlorocyclopentadiene	95.7		µg/l	5.00	100		96	40-130		
Hexachloroethane	75.4		µg/l	5.00	100		75	40-130		
Indeno (1,2,3-cd) pyrene	91.9		µg/l	5.00	100		92	40-130		
Isophorone	86.1		µg/l	5.00	100		86	40-130		
2-Methylnaphthalene	79.2		µg/l	5.00	100		79	40-130		
2-Methylphenol	73.4		µg/l	5.00	100		73	40-130		
3,4-Methylphenol	82.9		µg/l	10.0	100		83	40-130		
Naphthalene	78.3		µg/l	5.00	100		78	40-130		
2-Nitroaniline	104		µg/l	5.00	100		104	40-130		
3-Nitroaniline	96.6		µg/l	5.00	100		97	40-130		
4-Nitroaniline	123		µg/l	20.0	100		123	40-130		
Nitrobenzene	85.2		µg/l	5.00	100		85	40-130		
2-Nitrophenol	79.8		µg/l	5.00	100		80	40-130		
4-Nitrophenol	65.9		µg/l	20.0	100		66	40-130		
N-Nitrosodimethylamine	71.2		µg/l	5.00	100		71	40-130		
N-Nitrosodi-n-propylamine	48.2		µg/l	5.00	100		48	40-130		
N-Nitrosodiphenylamine	94.1		µg/l	5.00	100		94	40-130		
Pentachlorophenol	98.4		µg/l	20.0	100		98	40-130		
Phenanthrene	85.0		µg/l	5.00	100		85	40-130		
Phenol	77.1		µg/l	5.00	100		77	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041557 - SW846 3510C										
LCS (7041557-BS1)										
Prepared: 25-Apr-07 Analyzed: 26-Apr-07										
Pyrene	78.5		µg/l	5.00	100		78	40-130		
Pyridine	87.5		µg/l	5.00	100		88	40-130		
1-Methylnaphthalene	85.0		µg/l	5.00	100		85	40-140		
1,2,4-Trichlorobenzene	79.0		µg/l	5.00	100		79	40-130		
2,4,5-Trichlorophenol	80.6		µg/l	5.00	100		81	40-130		
2,4,6-Trichlorophenol	78.9		µg/l	5.00	100		79	40-130		
Surrogate: 2-Fluorobiphenyl	*75.2*		µg/l		*100*		*75*	*30-130*		
Surrogate: 2-Fluorophenol	*65.5*		µg/l		*100*		*66*	*15-110*		
Surrogate: Nitrobenzene-d5	*75.1*		µg/l		*100*		*75*	*30-130*		
Surrogate: Phenol-d5	*62.4*		µg/l		*100*		*62*	*15-110*		
Surrogate: Terphenyl-dl4	*75.8*		µg/l		*100*		*76*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*83.2*		µg/l		*100*		*83*	*15-110*		
Batch 7041565 - SW846 3550B										
Blank (7041565-BLK1)										
Prepared: 25-Apr-07 Analyzed: 27-Apr-07										
Acenaphthene	BRL	U	µg/kg wet	330						
Acenaphthylene	BRL	U	µg/kg wet	330						
Aniline	BRL	U	µg/kg wet	330						
Anthracene	BRL	U	µg/kg wet	330						
Atrazine	BRL	U	µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL	U	µg/kg wet	330						
Benzidine	BRL	U	µg/kg wet	330						
Benzo (a) anthracene	BRL	U	µg/kg wet	330						
Benzo (a) pyrene	BRL	U	µg/kg wet	330						
Benzo (b) fluoranthene	BRL	U	µg/kg wet	330						
Benzo (g,h,i) perylene	BRL	U	µg/kg wet	330						
Benzo (k) fluoranthene	BRL	U	µg/kg wet	330						
Benzoic acid	BRL	U	µg/kg wet	330						
Benzyl alcohol	BRL	U	µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL	U	µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL	U	µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL	U	µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL	U	µg/kg wet	330						
Butyl benzyl phthalate	BRL	U	µg/kg wet	330						
Carbazole	BRL	U	µg/kg wet	330						
4-Chloro-3-methylphenol	BRL	U	µg/kg wet	330						
4-Chloroaniline	BRL	U	µg/kg wet	330						
2-Chloronaphthalene	BRL	U	µg/kg wet	330						
2-Chlorophenol	BRL	U	µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL	U	µg/kg wet	330						
Chrysene	BRL	U	µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL	U	µg/kg wet	330						
Dibenzofuran	BRL	U	µg/kg wet	330						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	330						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	330						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	330						
3,3´-Dichlorobenzidine	BRL	U	µg/kg wet	330						
2,4-Dichlorophenol	BRL	U	µg/kg wet	330						
Diethyl phthalate	BRL	U	µg/kg wet	330						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041565 - SW846 3550B										
Blank (7041565-BLK1)										
Prepared: 25-Apr-07 Analyzed: 27-Apr-07										
Dimethyl phthalate	BRL	U	µg/kg wet	330						
2,4-Dimethylphenol	BRL	U	µg/kg wet	330						
Di-n-butyl phthalate	BRL	U	µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL	U	µg/kg wet	330						
2,4-Dinitrophenol	BRL	U	µg/kg wet	330						
2,4-Dinitrotoluene	BRL	U	µg/kg wet	330						
2,6-Dinitrotoluene	BRL	U	µg/kg wet	330						
Di-n-octyl phthalate	BRL	U	µg/kg wet	330						
Fluoranthene	BRL	U	µg/kg wet	330						
Fluorene	BRL	U	µg/kg wet	330						
Hexachlorobenzene	BRL	U	µg/kg wet	330						
Hexachlorobutadiene	BRL	U	µg/kg wet	330						
Hexachlorocyclopentadiene	BRL	U	µg/kg wet	330						
Hexachloroethane	BRL	U	µg/kg wet	330						
Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg wet	330						
1-Methylnaphthalene	BRL	U	µg/kg wet	330						
Isophorone	BRL	U	µg/kg wet	330						
2-Methylnaphthalene	BRL	U	µg/kg wet	330						
2-Methylphenol	BRL	U	µg/kg wet	330						
3,4-Methylphenol	BRL	U	µg/kg wet	330						
Naphthalene	BRL	U	µg/kg wet	330						
2-Nitroaniline	BRL	U	µg/kg wet	330						
3-Nitroaniline	BRL	U	µg/kg wet	330						
4-Nitroaniline	BRL	U	µg/kg wet	1320						
Nitrobenzene	BRL	U	µg/kg wet	330						
2-Nitrophenol	BRL	U	µg/kg wet	330						
4-Nitrophenol	BRL	U	µg/kg wet	1320						
N-Nitrosodimethylamine	BRL	U	µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL	U	µg/kg wet	330						
N-Nitrosodiphenylamine	BRL	U	µg/kg wet	330						
Pentachlorophenol	BRL	U	µg/kg wet	330						
Phenanthrene	BRL	U	µg/kg wet	330						
Phenol	BRL	U	µg/kg wet	330						
Pyrene	BRL	U	µg/kg wet	330						
Pyridine	BRL	U	µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	330						
2,4,5-Trichlorophenol	BRL	U	µg/kg wet	330						
2,4,6-Trichlorophenol	BRL	U	µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*5390*		µg/kg wet		*6670*		*81*	*30-130*		
Surrogate: 2-Fluorophenol	*5820*		µg/kg wet		*6670*		*87*	*15-110*		
Surrogate: Nitrobenzene-d5	*5400*		µg/kg wet		*6670*		*81*	*30-130*		
Surrogate: Phenol-d5	*5540*		µg/kg wet		*6670*		*83*	*15-110*		
Surrogate: Terphenyl-dl4	*5710*		µg/kg wet		*6670*		*86*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*5070*		µg/kg wet		*6670*		*76*	*15-110*		
LCS (7041565-BS1)										
Prepared: 25-Apr-07 Analyzed: 27-Apr-07										
Acenaphthene	5060		µg/kg wet	330	6670		76	40-130		
Acenaphthylene	5440		µg/kg wet	330	6670		82	40-130		
Aniline	5560		µg/kg wet	330	6670		83	40-130		
Anthracene	5420		µg/kg wet	330	6670		81	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041565 - SW846 3550B										
LCS (7041565-BS1)										
Prepared: 25-Apr-07 Analyzed: 27-Apr-07										
Atrazine	7570		µg/kg wet	330	6670		113	40-130		
Azobenzene/Diphenyldiazine	6210		µg/kg wet	330	6670		93	40-130		
Benzidine	BRL	U	µg/kg wet	330	6670			0-130		
Benzo (a) anthracene	5260		µg/kg wet	330	6670		79	40-130		
Benzo (a) pyrene	5410		µg/kg wet	330	6670		81	40-130		
Benzo (b) fluoranthene	5330		µg/kg wet	330	6670		80	40-130		
Benzo (g,h,i) perylene	5720		µg/kg wet	330	6670		86	40-130		
Benzo (k) fluoranthene	4940		µg/kg wet	330	6670		74	40-130		
Benzoic acid	5770		µg/kg wet	330	6670		87	6.16-130		
Benzyl alcohol	5240		µg/kg wet	330	6670		79	40-130		
Bis(2-chloroethoxy)methane	5210		µg/kg wet	330	6670		78	40-130		
Bis(2-chloroethyl)ether	5460		µg/kg wet	330	6670		82	40-130		
Bis(2-chloroisopropyl)ether	6060		µg/kg wet	330	6670		91	40-130		
Bis(2-ethylhexyl)phthalate	5310		µg/kg wet	330	6670		80	40-130		
4-Bromophenyl phenyl ether	5240		µg/kg wet	330	6670		79	40-130		
Butyl benzyl phthalate	5270		µg/kg wet	330	6670		79	40-130		
Carbazole	6530		µg/kg wet	330	6670		98	40-130		
4-Chloro-3-methylphenol	4760		µg/kg wet	330	6670		71	40-130		
4-Chloroaniline	3930		µg/kg wet	330	6670		59	40-130		
2-Chloronaphthalene	5180		µg/kg wet	330	6670		78	40-130		
2-Chlorophenol	4440		µg/kg wet	330	6670		67	40-130		
4-Chlorophenyl phenyl ether	4990		µg/kg wet	330	6670		75	40-130		
Chrysene	5290		µg/kg wet	330	6670		79	40-130		
Dibenzo (a,h) anthracene	5950		µg/kg wet	330	6670		89	40-130		
Dibenzofuran	5280		µg/kg wet	330	6670		79	40-130		
1,2-Dichlorobenzene	4630		µg/kg wet	330	6670		69	40-130		
1,3-Dichlorobenzene	4510		µg/kg wet	330	6670		68	40-130		
1,4-Dichlorobenzene	4590		µg/kg wet	330	6670		69	40-130		
3,3´-Dichlorobenzidine	5080		µg/kg wet	330	6670		76	40-130		
2,4-Dichlorophenol	4530		µg/kg wet	330	6670		68	40-130		
Diethyl phthalate	5040		µg/kg wet	330	6670		76	40-130		
Dimethyl phthalate	5030		µg/kg wet	330	6670		75	40-130		
2,4-Dimethylphenol	4510		µg/kg wet	330	6670		68	40-130		
Di-n-butyl phthalate	5250		µg/kg wet	330	6670		79	40-130		
4,6-Dinitro-2-methylphenol	5100		µg/kg wet	330	6670		76	40-130		
2,4-Dinitrophenol	5220		µg/kg wet	330	6670		78	40-130		
2,4-Dinitrotoluene	5860		µg/kg wet	330	6670		88	40-130		
2,6-Dinitrotoluene	5670		µg/kg wet	330	6670		85	40-130		
Di-n-octyl phthalate	5490		µg/kg wet	330	6670		82	40-130		
Fluoranthene	5300		µg/kg wet	330	6670		79	40-130		
Fluorene	5040		µg/kg wet	330	6670		76	40-130		
Hexachlorobenzene	5130		µg/kg wet	330	6670		77	40-130		
Hexachlorobutadiene	4680		µg/kg wet	330	6670		70	40-130		
Hexachlorocyclopentadiene	5840		µg/kg wet	330	6670		88	40-130		
Hexachloroethane	4690		µg/kg wet	330	6670		70	40-130		
Indeno (1,2,3-cd) pyrene	5030		µg/kg wet	330	6670		75	40-130		
Isophorone	5380		µg/kg wet	330	6670		81	40-130		
1-Methylnaphthalene	5160		µg/kg wet	330	6670		77	40-140		
2-Methylnaphthalene	4880		µg/kg wet	330	6670		73	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041565 - SW846 3550B										
LCS (7041565-BS1)										
Prepared: 25-Apr-07 Analyzed: 27-Apr-07										
2-Methylphenol	4560		µg/kg wet	330	6670		68	40-130		
3,4-Methylphenol	5180		µg/kg wet	330	6670		78	40-130		
Naphthalene	5130		µg/kg wet	330	6670		77	40-130		
2-Nitroaniline	6010		µg/kg wet	330	6670		90	40-130		
3-Nitroaniline	4910		µg/kg wet	330	6670		74	40-130		
4-Nitroaniline	7190		µg/kg wet	1320	6670		108	40-130		
Nitrobenzene	5260		µg/kg wet	330	6670		79	40-130		
2-Nitrophenol	4820		µg/kg wet	330	6670		72	40-130		
4-Nitrophenol	4830		µg/kg wet	1320	6670		72	40-130		
N-Nitrosodimethylamine	4560		µg/kg wet	330	6670		68	40-130		
N-Nitrosodi-n-propylamine	4860		µg/kg wet	330	6670		73	40-130		
N-Nitrosodiphenylamine	5650		µg/kg wet	330	6670		85	40-130		
Pentachlorophenol	5530		µg/kg wet	330	6670		83	40-130		
Phenanthrene	5370		µg/kg wet	330	6670		81	40-130		
Phenol	4740		µg/kg wet	330	6670		71	40-130		
Pyrene	4990		µg/kg wet	330	6670		75	40-130		
Pyridine	4460		µg/kg wet	330	6670		67	40-130		
1,2,4-Trichlorobenzene	4740		µg/kg wet	330	6670		71	40-130		
2,4,5-Trichlorophenol	4830		µg/kg wet	330	6670		72	40-130		
2,4,6-Trichlorophenol	4520		µg/kg wet	330	6670		68	40-130		
Surrogate: 2-Fluorobiphenyl	*5520*		µg/kg wet		*6670*		*83*	*30-130*		
Surrogate: 2-Fluorophenol	*4980*		µg/kg wet		*6670*		*75*	*15-110*		
Surrogate: Nitrobenzene-d5	*5720*		µg/kg wet		*6670*		*86*	*30-130*		
Surrogate: Phenol-d5	*4770*		µg/kg wet		*6670*		*72*	*15-110*		
Surrogate: Terphenyl-dl4	*5380*		µg/kg wet		*6670*		*81*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*5900*		µg/kg wet		*6670*		*88*	*15-110*		
Duplicate (7041565-DUP1) **Source: SA60787-01**										
Prepared: 25-Apr-07 Analyzed: 27-Apr-07										
Acenaphthene	BRL	U	µg/kg dry	273		BRL				50
Acenaphthylene	BRL	U	µg/kg dry	273		BRL				50
Aniline	BRL	U	µg/kg dry	273		BRL				50
Anthracene	BRL	U	µg/kg dry	273		BRL				50
Atrazine	BRL	U	µg/kg dry	273		BRL				50
Azobenzene/Diphenyldiazine	BRL	U	µg/kg dry	273		BRL				50
Benzidine	BRL	U	µg/kg dry	273		BRL				50
Benzo (a) anthracene	BRL	U	µg/kg dry	273		BRL				50
Benzo (a) pyrene	BRL	U	µg/kg dry	273		BRL				50
Benzo (b) fluoranthene	BRL	U	µg/kg dry	273		BRL				50
Benzo (g,h,i) perylene	BRL	U	µg/kg dry	273		BRL				50
Benzo (k) fluoranthene	BRL	U	µg/kg dry	273		BRL				50
Benzoic acid	BRL	U	µg/kg dry	273		BRL				50
Benzyl alcohol	BRL	U	µg/kg dry	273		BRL				50
Bis(2-chloroethoxy)methane	BRL	U	µg/kg dry	273		BRL				50
Bis(2-chloroethyl)ether	BRL	U	µg/kg dry	273		BRL				50
Bis(2-chloroisopropyl)ether	BRL	U	µg/kg dry	273		BRL				50
Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	273		BRL				50
4-Bromophenyl phenyl ether	BRL	U	µg/kg dry	273		BRL				50
Butyl benzyl phthalate	BRL	U	µg/kg dry	273		BRL				50
Carbazole	BRL	U	µg/kg dry	273		BRL				50
4-Chloro-3-methylphenol	BRL	U	µg/kg dry	273		BRL				50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041565 - SW846 3550B										
Duplicate (7041565-DUP1) **Source: SA60787-01**										
Prepared: 25-Apr-07 Analyzed: 27-Apr-07										
4-Chloroaniline	BRL	U	µg/kg dry	273		BRL				50
2-Chloronaphthalene	BRL	U	µg/kg dry	273		BRL				50
2-Chlorophenol	BRL	U	µg/kg dry	273		BRL				50
4-Chlorophenyl phenyl ether	BRL	U	µg/kg dry	273		BRL				50
Chrysene	BRL	U	µg/kg dry	273		BRL				50
Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	273		BRL				50
Dibenzofuran	BRL	U	µg/kg dry	273		BRL				50
1,2-Dichlorobenzene	BRL	U	µg/kg dry	273		BRL				50
1,3-Dichlorobenzene	BRL	U	µg/kg dry	273		BRL				50
1,4-Dichlorobenzene	BRL	U	µg/kg dry	273		BRL				50
3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	273		BRL				50
2,4-Dichlorophenol	BRL	U	µg/kg dry	273		BRL				50
Diethyl phthalate	BRL	U	µg/kg dry	273		BRL				50
Dimethyl phthalate	BRL	U	µg/kg dry	273		BRL				50
2,4-Dimethylphenol	BRL	U	µg/kg dry	273		BRL				50
Di-n-butyl phthalate	BRL	U	µg/kg dry	273		BRL				50
4,6-Dinitro-2-methylphenol	BRL	U	µg/kg dry	273		BRL				50
2,4-Dinitrophenol	BRL	U	µg/kg dry	273		BRL				50
2,4-Dinitrotoluene	BRL	U	µg/kg dry	273		BRL				50
2,6-Dinitrotoluene	BRL	U	µg/kg dry	273		BRL				50
Di-n-octyl phthalate	BRL	U	µg/kg dry	273		BRL				50
Fluoranthene	BRL	U	µg/kg dry	273		BRL				50
Fluorene	BRL	U	µg/kg dry	273		BRL				50
Hexachlorobenzene	BRL	U	µg/kg dry	273		BRL				50
Hexachlorobutadiene	BRL	U	µg/kg dry	273		BRL				50
Hexachlorocyclopentadiene	BRL	U	µg/kg dry	273		BRL				50
Hexachloroethane	BRL	U	µg/kg dry	273		BRL				50
Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	273		BRL				50
1-Methylnaphthalene	BRL	U	µg/kg dry	273		BRL				50
Isophorone	BRL	U	µg/kg dry	273		BRL				50
2-Methylnaphthalene	BRL	U	µg/kg dry	273		BRL				50
2-Methylphenol	BRL	U	µg/kg dry	273		BRL				50
3,4-Methylphenol	BRL	U	µg/kg dry	273		BRL				50
Naphthalene	BRL	U	µg/kg dry	273		BRL				50
2-Nitroaniline	BRL	U	µg/kg dry	273		BRL				50
3-Nitroaniline	BRL	U	µg/kg dry	273		BRL				50
4-Nitroaniline	BRL	U	µg/kg dry	1090		BRL				50
Nitrobenzene	BRL	U	µg/kg dry	273		BRL				50
2-Nitrophenol	BRL	U	µg/kg dry	273		BRL				50
4-Nitrophenol	BRL	U	µg/kg dry	1090		BRL				50
N-Nitrosodimethylamine	BRL	U	µg/kg dry	273		BRL				50
N-Nitrosodi-n-propylamine	BRL	U	µg/kg dry	273		BRL				50
N-Nitrosodiphenylamine	BRL	U	µg/kg dry	273		BRL				50
Pentachlorophenol	BRL	U	µg/kg dry	273		BRL				50
Phenanthrene	BRL	U	µg/kg dry	273		BRL				50
Phenol	BRL	U	µg/kg dry	273		BRL				50
Pyrene	BRL	U	µg/kg dry	273		BRL				50
Pyridine	BRL	U	µg/kg dry	273		BRL				50
1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	273		BRL				50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041565 - SW846 3550B										
Duplicate (7041565-DUP1) **Source: SA60787-01**										
Prepared: 25-Apr-07 Analyzed: 27-Apr-07										
2,4,5-Trichlorophenol	BRL	U	µg/kg dry	273		BRL				50
2,4,6-Trichlorophenol	BRL	U	µg/kg dry	273		BRL				50
Surrogate: 2-Fluorobiphenyl	*2290*		µg/kg dry		*2760*		*83*	*30-130*		
Surrogate: 2-Fluorophenol	*2430*		µg/kg dry		*2760*		*88*	*15-110*		
Surrogate: Nitrobenzene-d5	*2240*		µg/kg dry		*2760*		*81*	*30-130*		
Surrogate: Phenol-d5	*2340*		µg/kg dry		*2760*		*85*	*15-110*		
Surrogate: Terphenyl-dl4	*2400*		µg/kg dry		*2760*		*87*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2050*		µg/kg dry		*2760*		*74*	*15-110*		
Matrix Spike (7041565-MS1) **Source: SA60787-01**										
Prepared: 25-Apr-07 Analyzed: 27-Apr-07										
Acenaphthene	3450		µg/kg dry	273	5520	BRL	62	40-140		
4-Chloro-3-methylphenol	6650		µg/kg dry	273	11000	BRL	60	30-130		
2-Chlorophenol	6470		µg/kg dry	273	11000	BRL	59	30-130		
1,4-Dichlorobenzene	3360		µg/kg dry	273	5520	BRL	61	40-140		
2,4-Dinitrotoluene	3860		µg/kg dry	273	5520	BRL	70	40-140		
4-Nitrophenol	4440		µg/kg dry	1090	11000	BRL	40	30-130		
N-Nitrosodi-n-propylamine	3630		µg/kg dry	273	5520	BRL	66	40-140		
Pentachlorophenol	6770		µg/kg dry	1090	11000	BRL	62	30-130		
Phenol	6360		µg/kg dry	273	11000	BRL	58	30-130		
Pyrene	4100		µg/kg dry	273	5520	BRL	74	40-140		
1,2,4-Trichlorobenzene	3240		µg/kg dry	273	5520	BRL	59	40-140		
Surrogate: 2-Fluorobiphenyl	*3790*		µg/kg dry		*5520*		*69*	*30-130*		
Surrogate: 2-Fluorophenol	*3520*		µg/kg dry		*5520*		*64*	*15-110*		
Surrogate: Nitrobenzene-d5	*3860*		µg/kg dry		*5520*		*70*	*30-130*		
Surrogate: Phenol-d5	*3440*		µg/kg dry		*5520*		*62*	*15-110*		
Surrogate: Terphenyl-dl4	*4440*		µg/kg dry		*5520*		*80*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*3900*		µg/kg dry		*5520*		*71*	*15-110*		
Matrix Spike Dup (7041565-MSD1) **Source: SA60787-01**										
Prepared: 25-Apr-07 Analyzed: 27-Apr-07										
Acenaphthene	3560		µg/kg dry	273	5510	BRL	65	40-140	5	30
4-Chloro-3-methylphenol	6980		µg/kg dry	273	11000	BRL	63	30-130	5	30
2-Chlorophenol	6670		µg/kg dry	273	11000	BRL	61	30-130	3	30
1,4-Dichlorobenzene	3470		µg/kg dry	273	5510	BRL	63	40-140	3	30
2,4-Dinitrotoluene	4080		µg/kg dry	273	5510	BRL	74	40-140	6	30
4-Nitrophenol	4700		µg/kg dry	1090	11000	BRL	43	30-130	7	30
N-Nitrosodi-n-propylamine	3770		µg/kg dry	273	5510	BRL	68	40-140	3	30
Pentachlorophenol	7170		µg/kg dry	1090	11000	BRL	65	30-130	5	30
Phenol	6590		µg/kg dry	273	11000	BRL	60	30-130	3	30
Pyrene	4150		µg/kg dry	273	5510	BRL	75	40-140	1	30
1,2,4-Trichlorobenzene	3350		µg/kg dry	273	5510	BRL	61	40-140	3	30
Surrogate: 2-Fluorobiphenyl	*3990*		µg/kg dry		*5510*		*72*	*30-130*		
Surrogate: 2-Fluorophenol	*3740*		µg/kg dry		*5510*		*68*	*15-110*		
Surrogate: Nitrobenzene-d5	*4090*		µg/kg dry		*5510*		*74*	*30-130*		
Surrogate: Phenol-d5	*3630*		µg/kg dry		*5510*		*66*	*15-110*		
Surrogate: Terphenyl-dl4	*4580*		µg/kg dry		*5510*		*83*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*4180*		µg/kg dry		*5510*		*76*	*15-110*		
Batch 7041670 - SW846 3535										
Blank (7041670-BLK1)										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
1,4-Dichlorobenzene	BRL	U	µg/l	5.00						
2,4-Dinitrotoluene	BRL	U	µg/l	5.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041670 - SW846 3535										
Blank (7041670-BLK1)										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Hexachlorobenzene	BRL	U	µg/l	5.00						
Hexachlorobutadiene	BRL	U	µg/l	5.00						
Hexachloroethane	BRL	U	µg/l	5.00						
2-Methylphenol	BRL	U	µg/l	5.00						
3,4-Methylphenol	BRL	U	µg/l	10.0						
Nitrobenzene	BRL	U	µg/l	5.00						
Pentachlorophenol	BRL	U	µg/l	5.00						
Pyridine	BRL	U	µg/l	5.00						
2,4,5-Trichlorophenol	BRL	U	µg/l	5.00						
2,4,6-Trichlorophenol	BRL	U	µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*634*		µg/l		*800*		*79*	*30-130*		
Surrogate: 2-Fluorophenol	*720*		µg/l		*800*		*90*	*15-110*		
Surrogate: Nitrobenzene-d5	*650*		µg/l		*800*		*81*	*30-130*		
Surrogate: Terphenyl-dl4	*716*		µg/l		*800*		*90*	*30-130*		
LCS (7041670-BS1)										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
1,4-Dichlorobenzene	269		µg/l	5.00	400		67	40-140		
2,4-Dinitrotoluene	368		µg/l	5.00	400		92	40-140		
Hexachlorobenzene	328		µg/l	5.00	400		82	40-140		
Hexachlorobutadiene	283		µg/l	5.00	400		71	40-140		
Hexachloroethane	272		µg/l	5.00	400		68	40-140		
2-Methylphenol	269		µg/l	5.00	400		67	30-130		
3,4-Methylphenol	308		µg/l	10.0	400		77	40-130		
Nitrobenzene	316		µg/l	5.00	400		79	40-140		
Pentachlorophenol	350		µg/l	5.00	400		88	30-130		
Pyridine	197		µg/l	5.00	400		49	40-140		
2,4,5-Trichlorophenol	302		µg/l	5.00	400		76	30-130		
2,4,6-Trichlorophenol	275		µg/l	5.00	400		69	30-130		
Surrogate: 2-Fluorobiphenyl	*319*		µg/l		*400*		*80*	*30-130*		
Surrogate: 2-Fluorophenol	*268*		µg/l		*400*		*67*	*15-110*		
Surrogate: Nitrobenzene-d5	*320*		µg/l		*400*		*80*	*30-130*		
Surrogate: Terphenyl-dl4	*336*		µg/l		*400*		*84*	*30-130*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041594 - SW846 3050B										
Blank (7041594-BLK1)										
Prepared: 25-Apr-07 Analyzed: 26-Apr-07										
Sodium	5.90	J	mg/kg wet	24.0						
Manganese	0.543	J	mg/kg wet	0.961						
Thallium	BRL	U	mg/kg wet	2.88						
Vanadium	BRL	U	mg/kg wet	1.44						
Antimony	BRL	U	mg/kg wet	2.88						
Potassium	BRL	U	mg/kg wet	48.1						
Magnesium	0.909	J	mg/kg wet	4.81						
Nickel	BRL	U	mg/kg wet	0.961						
Iron	2.49	QB1	mg/kg wet	1.92						
Lead	0.274	J	mg/kg wet	1.44						
Zinc	1.46	QB1	mg/kg wet	0.961						
Selenium	BRL	U	mg/kg wet	1.44						
Copper	BRL	U	mg/kg wet	0.961						
Cadmium	0.0481	J	mg/kg wet	0.481						
Aluminum	1.62	J	mg/kg wet	1.92						
Cobalt	BRL	U	mg/kg wet	0.961						
Chromium	BRL	U	mg/kg wet	0.961						
Calcium	60.1	QB1	mg/kg wet	24.0						
Beryllium	BRL	U	mg/kg wet	0.481						
Arsenic	BRL	U	mg/kg wet	1.44						
Silver	BRL	U	mg/kg wet	1.44						
Barium	BRL	U	mg/kg wet	0.961						
Duplicate (7041594-DUP1) **Source: SA61010-01**										
Prepared: 25-Apr-07 Analyzed: 26-Apr-07										
Thallium	BRL	U	mg/kg dry	3.14		BRL				20
Magnesium	2800		mg/kg dry	5.24		3410			20	20
Sodium	241		mg/kg dry	26.2		238			1	20
Vanadium	13.8		mg/kg dry	1.57		15.0			8	20
Iron	8690		mg/kg dry	2.10		8590			1	20
Nickel	90.2	QR6	mg/kg dry	1.05		17.8			134	20
Antimony	0.566	J	mg/kg dry	3.14		0.650			14	20
Manganese	190	QR6	mg/kg dry	1.05		283			39	20
Potassium	1030		mg/kg dry	52.4		1040			1	20
Lead	18.1		mg/kg dry	1.57		19.4			7	20
Zinc	29.7		mg/kg dry	1.05		29.3			1	20
Selenium	BRL	U	mg/kg dry	1.57		BRL				20
Beryllium	0.157	QR4, J	mg/kg dry	0.524		0.197			23	20
Arsenic	1.69		mg/kg dry	1.57		1.69			0	20
Calcium	6330	QM2	mg/kg dry	26.2		8940			34	20
Copper	16.6		mg/kg dry	1.05		14.1			16	20
Silver	BRL	U	mg/kg dry	1.57		BRL				20
Cobalt	10.9	QR6	mg/kg dry	1.05		4.48			83	20
Cadmium	0.121	QR4, J	mg/kg dry	0.524		0.0983			21	20
Aluminum	5040		mg/kg dry	2.10		5090			1	20
Chromium	61.8	QR6	mg/kg dry	1.05		9.61			146	20
Barium	30.8	QR6	mg/kg dry	1.05		42.8			33	20
Matrix Spike (7041594-MS1) **Source: SA61010-02**										
Prepared: 25-Apr-07 Analyzed: 26-Apr-07										
Antimony	81.4	QM8	mg/kg dry	3.08	128	0.468	63	75-125		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041594 - SW846 3050B										
Matrix Spike (7041594-MS1) **Source: SA61010-02**										
Prepared: 25-Apr-07 Analyzed: 26-Apr-07										
Iron	10500	QM2	mg/kg dry	2.05	128	9510	773	75-125		
Manganese	385		mg/kg dry	1.03	128	237	116	75-125		
Sodium	1360	QM4X	mg/kg dry	25.7	642	276	169	75-125		
Potassium	3520	QM4X	mg/kg dry	51.3	1280	944	201	75-125		
Vanadium	139		mg/kg dry	1.54	128	14.2	98	75-125		
Magnesium	3790	QM2	mg/kg dry	5.13	128	3170	484	75-125		
Nickel	135		mg/kg dry	1.03	128	20.6	89	75-125		
Thallium	113		mg/kg dry	3.08	128	BRL	88	75-125		
Zinc	138		mg/kg dry	1.03	128	24.3	89	75-125		
Selenium	113		mg/kg dry	1.54	128	BRL	88	75-125		
Lead	119		mg/kg dry	1.54	128	4.14	90	75-125		
Copper	136		mg/kg dry	1.03	128	12.5	96	75-125		
Cobalt	120		mg/kg dry	1.03	128	3.88	91	75-125		
Beryllium	121		mg/kg dry	0.513	128	0.202	94	75-125		
Calcium	4330	QM2	mg/kg dry	25.7	642	3120	188	75-125		
Cadmium	119		mg/kg dry	0.513	128	0.112	93	75-125		
Arsenic	117		mg/kg dry	1.54	128	1.29	90	75-125		
Chromium	139		mg/kg dry	1.03	128	13.1	98	75-125		
Aluminum	7990	QM2	mg/kg dry	2.05	128	4100	NR	75-125		
Silver	68.4	QM8	mg/kg dry	1.54	128	BRL	53	75-125		
Barium	183		mg/kg dry	1.03	128	37.0	114	75-125		
Matrix Spike Dup (7041594-MSD1) **Source: SA61010-02**										
Prepared: 25-Apr-07 Analyzed: 26-Apr-07										
Iron	10500	QM2	mg/kg dry	2.12	132	9510	750	75-125	0	35
Vanadium	148		mg/kg dry	1.59	132	14.2	101	75-125	6	35
Sodium	1440	QM4X	mg/kg dry	26.5	661	276	176	75-125	6	35
Magnesium	4370	QM2	mg/kg dry	5.29	132	3170	909	75-125	14	35
Potassium	3560	QM4X	mg/kg dry	52.9	1320	944	198	75-125	1	35
Nickel	149		mg/kg dry	1.06	132	20.6	97	75-125	10	35
Manganese	428	QM8	mg/kg dry	1.06	132	237	145	75-125	11	35
Antimony	83.5	QM8	mg/kg dry	3.17	132	0.468	63	75-125	3	35
Thallium	119		mg/kg dry	3.17	132	BRL	90	75-125	5	35
Selenium	119		mg/kg dry	1.59	132	BRL	90	75-125	5	35
Lead	126		mg/kg dry	1.59	132	4.14	92	75-125	6	35
Zinc	143		mg/kg dry	1.06	132	24.3	90	75-125	4	35
Cadmium	125		mg/kg dry	0.529	132	0.112	95	75-125	5	35
Chromium	155		mg/kg dry	1.06	132	13.1	108	75-125	11	35
Aluminum	8300	QM2	mg/kg dry	2.12	132	4100	NR	75-125	4	35
Copper	143		mg/kg dry	1.06	132	12.5	99	75-125	5	35
Calcium	6010	QM2	mg/kg dry	26.5	661	3120	437	75-125	32	35
Beryllium	126		mg/kg dry	0.529	132	0.202	95	75-125	4	35
Silver	76.4	QM8	mg/kg dry	1.59	132	BRL	58	75-125	11	35
Cobalt	126		mg/kg dry	1.06	132	3.88	93	75-125	5	35
Arsenic	123		mg/kg dry	1.59	132	1.29	92	75-125	5	35
Barium	186		mg/kg dry	1.06	132	37.0	113	75-125	2	35
Post Spike (7041594-PS1) **Source: SA61010-02**										
Prepared: 25-Apr-07 Analyzed: 26-Apr-07										
Sodium	843		mg/kg dry	24.7	617	276	92	80-120		
Vanadium	133		mg/kg dry	1.48	123	14.2	97	80-120		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041594 - SW846 3050B										
Post Spike (7041594-PS1) **Source: SA61010-02**										
Prepared: 25-Apr-07 Analyzed: 26-Apr-07										
Nickel	139		mg/kg dry	0.987	123	20.6	96	80-120		
Thallium	114		mg/kg dry	2.96	123	BRL	93	80-120		
Magnesium	3930	QM2	mg/kg dry	4.93	123	3170	618	80-120		
Antimony	101		mg/kg dry	2.96	123	0.468	82	80-120		
Potassium	2300		mg/kg dry	49.3	1230	944	110	80-120		
Iron	9440	QM2	mg/kg dry	1.97	123	9510	NR	80-120		
Manganese	365		mg/kg dry	0.987	123	237	104	80-120		
Selenium	113		mg/kg dry	1.48	123	BRL	92	80-120		
Zinc	133		mg/kg dry	0.987	123	24.3	88	80-120		
Lead	119		mg/kg dry	1.48	123	4.14	93	80-120		
Cobalt	119		mg/kg dry	0.987	123	3.88	94	80-120		
Cadmium	118		mg/kg dry	0.493	123	0.112	96	80-120		
Arsenic	117		mg/kg dry	1.48	123	1.29	94	80-120		
Silver	109		mg/kg dry	1.48	123	BRL	89	80-120		
Chromium	133		mg/kg dry	0.987	123	13.1	97	80-120		
Beryllium	119		mg/kg dry	0.493	123	0.202	97	80-120		
Copper	134		mg/kg dry	0.987	123	12.5	99	80-120		
Calcium	3330	QM2	mg/kg dry	24.7	617	3120	34	80-120		
Aluminum	4560	QM2	mg/kg dry	1.97	123	4100	374	80-120		
Barium	159		mg/kg dry	0.987	123	37.0	99	80-120		
Reference (7041594-SRM1)										
Prepared: 25-Apr-07 Analyzed: 26-Apr-07										
Antimony	13.5		mg/kg wet	3.00	53.9		25	0-211.2		
Vanadium	53.0		mg/kg wet	1.50	53.4		99	77.1-122.6		
Nickel	59.6		mg/kg wet	1.00	58.5		102	82.6-117.2		
Thallium	64.4		mg/kg wet	3.00	66.0		98	77.1-122.9		
Magnesium	1670		mg/kg wet	5.00	1540		108	73.1-127.2		
Sodium	243		mg/kg wet	25.0	230		106	64-136		
Potassium	1530		mg/kg wet	50.0	1420		108	73.3-126.7		
Iron	7380		mg/kg wet	2.00	8320		89	50.8-149.1		
Manganese	164		mg/kg wet	1.00	152		108	79.1-121		
Selenium	75.7		mg/kg wet	1.50	78.1		97	77.4-122.6		
Lead	45.2		mg/kg wet	1.50	44.8		101	81.8-118.1		
Zinc	117		mg/kg wet	1.00	116		101	79.1-120.9		
Calcium	3990		mg/kg wet	25.0	3850		104	80.7-119.2		
Arsenic	43.8		mg/kg wet	1.50	44.8		98	80.8-119.4		
Aluminum	5160		mg/kg wet	2.00	4550		113	52.3-147.3		
Beryllium	32.2		mg/kg wet	0.500	30.9		104	83-116.9		
Chromium	49.4		mg/kg wet	1.00	49.4		100	78.9-120.5		
Cadmium	32.0		mg/kg wet	0.500	31.8		101	82.1-117.9		
Cobalt	38.9		mg/kg wet	1.00	37.7		103	81.8-118.2		
Silver	36.8		mg/kg wet	1.50	41.1		90	66.3-133.6		
Copper	47.0		mg/kg wet	1.00	43.9		107	82.4-117.2		
Barium	227		mg/kg wet	1.00	215		106	82.7-117.3		
Reference (7041594-SRM2)										
Prepared: 25-Apr-07 Analyzed: 26-Apr-07										
Magnesium	1650		mg/kg wet	5.00	1580		104	73.1-127.2		
Iron	7460		mg/kg wet	2.00	8530		87	50.8-149.1		
Potassium	1540		mg/kg wet	50.0	1450		106	73.3-126.7		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041594 - SW846 3050B										
Reference (7041594-SRM2)										
Prepared: 25-Apr-07 Analyzed: 26-Apr-07										
Manganese	161		mg/kg wet	1.00	156		103	79.1-121		
Sodium	241		mg/kg wet	25.0	236		102	64-136		
Antimony	13.6		mg/kg wet	3.00	55.3		25	0-211.2		
Thallium	64.9		mg/kg wet	3.00	67.7		96	77.1-122.9		
Vanadium	53.6		mg/kg wet	1.50	54.8		98	77.1-122.6		
Nickel	60.4		mg/kg wet	1.00	59.9		101	82.6-117.2		
Selenium	78.6		mg/kg wet	1.50	80.1		98	77.4-122.6		
Lead	44.5		mg/kg wet	1.50	45.9		97	81.8-118.1		
Zinc	116		mg/kg wet	1.00	119		97	79.1-120.9		
Copper	47.7		mg/kg wet	1.00	45.0		106	82.4-117.2		
Calcium	4180		mg/kg wet	25.0	3940		106	80.7-119.2		
Cobalt	38.3		mg/kg wet	1.00	38.6		99	81.8-118.2		
Cadmium	32.5		mg/kg wet	0.500	32.6		100	82.1-117.9		
Beryllium	32.6		mg/kg wet	0.500	31.7		103	83-116.9		
Arsenic	44.7		mg/kg wet	1.50	45.9		97	80.8-119.4		
Chromium	49.0		mg/kg wet	1.00	50.6		97	78.9-120.5		
Aluminum	5300		mg/kg wet	2.00	4670		113	52.3-147.3		
Silver	35.6		mg/kg wet	1.50	42.2		84	66.3-133.6		
Barium	230		mg/kg wet	1.00	221		104	82.7-117.3		
Batch 7041595 - EPA200/SW7000 Series										
Blank (7041595-BLK1)										
Prepared: 25-Apr-07 Analyzed: 27-Apr-07										
Mercury	BRL	U	mg/kg wet	0.0290						
Duplicate (7041595-DUP1) **Source: SA61010-01**										
Prepared: 25-Apr-07 Analyzed: 27-Apr-07										
Mercury	0.0529		mg/kg dry	0.0327		0.0521			2	20
Matrix Spike (7041595-MS1) **Source: SA61010-02**										
Prepared: 25-Apr-07 Analyzed: 27-Apr-07										
Mercury	0.426		mg/kg dry	0.0316	0.439	BRL	97	75-125		
Matrix Spike Dup (7041595-MSD1) **Source: SA61010-02**										
Prepared: 25-Apr-07 Analyzed: 27-Apr-07										
Mercury	0.387		mg/kg dry	0.0321	0.446	BRL	87	75-125	10	35
Post Spike (7041595-PS1) **Source: SA61010-02**										
Prepared: 25-Apr-07 Analyzed: 27-Apr-07										
Mercury	0.407		mg/kg dry	0.0317	0.440	BRL	92	85-115		
Reference (7041595-SRM1)										
Prepared: 25-Apr-07 Analyzed: 27-Apr-07										
Mercury	0.965		mg/kg wet	0.0300	1.15		84	65.9-132.6		
Batch 7041631 - SW846 3005A										
Blank (7041631-BLK1)										
Prepared & Analyzed: 26-Apr-07										
Magnesium	BRL	U	mg/l	0.0100						
Nickel	BRL	U	mg/l	0.0050						
Iron	BRL	U	mg/l	0.0150						
Potassium	BRL	U	mg/l	0.500						
Manganese	BRL	U	mg/l	0.0010						

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041631 - SW846 3005A										
Blank (7041631-BLK1)										
Prepared & Analyzed: 26-Apr-07										
Selenium	BRL	U	mg/l	0.0150						
Sodium	BRL	U	mg/l	0.250						
Antimony	BRL	U	mg/l	0.0060						
Zinc	0.0030	J	mg/l	0.0050						
Thallium	BRL	U	mg/l	0.0050						
Lead	0.0028	J	mg/l	0.0075						
Chromium	BRL	U	mg/l	0.0050						
Cadmium	0.0002	J	mg/l	0.0025						
Arsenic	BRL	U	mg/l	0.0040						
Calcium	BRL	U	mg/l	0.100						
Beryllium	BRL	U	mg/l	0.0020						
Silver	BRL	U	mg/l	0.0050						
Cobalt	BRL	U	mg/l	0.0050						
Vanadium	BRL	U	mg/l	0.0050						
Barium	BRL	U	mg/l	0.0050						
Copper	BRL	U	mg/l	0.0050						
Aluminum	BRL	U	mg/l	0.0150						
LCS (7041631-BS1)										
Prepared & Analyzed: 26-Apr-07										
Magnesium	0.518		mg/l	0.0100	0.500		104	85-115		
Potassium	5.01		mg/l	0.500	5.00		100	85-115		
Sodium	2.36		mg/l	0.250	2.50		94	85-115		
Selenium	0.473		mg/l	0.0150	0.500		95	85-115		
Manganese	0.477		mg/l	0.0010	0.500		95	85-115		
Antimony	0.464		mg/l	0.0060	0.500		93	85-115		
Nickel	0.497		mg/l	0.0050	0.500		99	85-115		
Iron	0.520		mg/l	0.0150	0.500		104	85-115		
Lead	0.472		mg/l	0.0075	0.500		94	85-115		
Thallium	0.458		mg/l	0.0050	0.500		92	85-115		
Zinc	0.459		mg/l	0.0050	0.500		92	85-115		
Chromium	0.484		mg/l	0.0050	0.500		97	85-115		
Copper	0.494		mg/l	0.0050	0.500		99	85-115		
Cadmium	0.497		mg/l	0.0025	0.500		99	85-115		
Silver	0.432		mg/l	0.0050	0.500		86	85-115		
Vanadium	0.478		mg/l	0.0050	0.500		96	85-115		
Aluminum	0.481		mg/l	0.0150	0.500		96	85-115		
Barium	0.514		mg/l	0.0050	0.500		103	85-115		
Cobalt	0.479		mg/l	0.0050	0.500		96	85-115		
Beryllium	0.509		mg/l	0.0020	0.500		102	85-115		
Calcium	2.33		mg/l	0.100	2.50		93	85-115		
Arsenic	0.474		mg/l	0.0040	0.500		95	85-115		
LCS Dup (7041631-BSD1)										
Prepared & Analyzed: 26-Apr-07										
Potassium	4.89		mg/l	0.500	5.00		98	85-115	2	20
Magnesium	0.507		mg/l	0.0100	0.500		101	85-115	2	20
Nickel	0.486		mg/l	0.0050	0.500		97	85-115	2	20
Iron	0.491		mg/l	0.0150	0.500		98	85-115	6	20
Sodium	2.31		mg/l	0.250	2.50		92	85-115	2	20
Antimony	0.452		mg/l	0.0060	0.500		90	85-115	3	20

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041631 - SW846 3005A										
LCS Dup (7041631-BSD1)										
Prepared & Analyzed: 26-Apr-07										
Manganese	0.470		mg/l	0.0010	0.500		94	85-115	1	20
Selenium	0.467		mg/l	0.0150	0.500		93	85-115	1	20
Thallium	0.444		mg/l	0.0050	0.500		89	85-115	3	20
Lead	0.465		mg/l	0.0075	0.500		93	85-115	1	20
Zinc	0.459		mg/l	0.0050	0.500		92	85-115	0	20
Cadmium	0.485		mg/l	0.0025	0.500		97	85-115	2	20
Barium	0.502		mg/l	0.0050	0.500		100	85-115	2	20
Cobalt	0.470		mg/l	0.0050	0.500		94	85-115	2	20
Copper	0.488		mg/l	0.0050	0.500		98	85-115	1	20
Vanadium	0.470		mg/l	0.0050	0.500		94	85-115	2	20
Beryllium	0.496		mg/l	0.0020	0.500		99	85-115	3	20
Silver	0.424		mg/l	0.0050	0.500		85	85-115	2	20
Calcium	2.26		mg/l	0.100	2.50		90	85-115	3	20
Arsenic	0.467		mg/l	0.0040	0.500		93	85-115	1	20
Aluminum	0.485		mg/l	0.0150	0.500		97	85-115	0.8	20
Chromium	0.473		mg/l	0.0050	0.500		95	85-115	2	20
Duplicate (7041631-DUP1)	**Source: SA61010-03**									
Prepared & Analyzed: 26-Apr-07										
Potassium	10.9		mg/l	0.500		10.6			3	20
Sodium	55.2		mg/l	0.250		52.5			5	20
Magnesium	35.6		mg/l	0.0100		34.5			3	20
Iron	7.74		mg/l	0.0150		8.70			12	20
Antimony	BRL	U	mg/l	0.0060		BRL				20
Nickel	0.0150		mg/l	0.0050		0.0162			8	20
Manganese	0.528		mg/l	0.0010		0.534			1	20
Selenium	BRL	U	mg/l	0.0150		BRL				20
Zinc	0.0374		mg/l	0.0050		0.0417			11	20
Thallium	BRL	U	mg/l	0.0050		BRL				20
Lead	0.0096		mg/l	0.0075		0.0102			6	20
Calcium	107		mg/l	0.100		102			5	20
Cobalt	0.0046	J	mg/l	0.0050		0.0048			4	20
Arsenic	BRL	U	mg/l	0.0040		BRL				20
Cadmium	BRL	U	mg/l	0.0025		BRL				20
Beryllium	BRL	U	mg/l	0.0020		BRL				20
Chromium	0.0149		mg/l	0.0050		0.0154			3	20
Copper	0.0122		mg/l	0.0050		0.0134			9	20
Aluminum	3.57		mg/l	0.0150		4.11			14	20
Vanadium	0.0105		mg/l	0.0050		0.0123			16	20
Barium	0.158		mg/l	0.0050		0.154			3	20
Silver	BRL	U	mg/l	0.0050		0.0026				20
Matrix Spike (7041631-MS1)	**Source: SA61010-03**									
Prepared & Analyzed: 26-Apr-07										
Potassium	16.4		mg/l	0.500	5.00	10.6	116	75-125		
Iron	8.50	QM4X	mg/l	0.0150	0.500	8.70	NR	75-125		
Magnesium	36.2	QM2	mg/l	0.0100	0.500	34.5	340	75-125		
Sodium	57.6	QM2	mg/l	0.250	2.50	52.5	204	75-125		
Nickel	0.493		mg/l	0.0050	0.500	0.0162	95	75-125		
Manganese	1.03		mg/l	0.0010	0.500	0.534	99	75-125		
Selenium	0.495		mg/l	0.0150	0.500	BRL	99	75-125		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041631 - SW846 3005A										
Matrix Spike (7041631-MS1)	**Source: SA61010-03**									
Prepared & Analyzed: 26-Apr-07										
Antimony	0.474		mg/l	0.0060	0.500	BRL	95	75-125		
Lead	0.481		mg/l	0.0075	0.500	0.0102	94	75-125		
Zinc	0.495		mg/l	0.0050	0.500	0.0417	91	75-125		
Thallium	0.468		mg/l	0.0050	0.500	BRL	94	75-125		
Copper	0.528		mg/l	0.0050	0.500	0.0134	103	75-125		
Chromium	0.504		mg/l	0.0050	0.500	0.0154	98	75-125		
Silver	0.454		mg/l	0.0050	0.500	0.0026	90	75-125		
Arsenic	0.496		mg/l	0.0040	0.500	BRL	99	75-125		
Cadmium	0.492		mg/l	0.0025	0.500	BRL	98	75-125		
Cobalt	0.468		mg/l	0.0050	0.500	0.0048	93	75-125		
Aluminum	5.16	QM4X	mg/l	0.0150	0.500	4.11	210	75-125		
Barium	0.684		mg/l	0.0050	0.500	0.154	106	75-125		
Beryllium	0.517		mg/l	0.0020	0.500	BRL	103	75-125		
Vanadium	0.502		mg/l	0.0050	0.500	0.0123	98	70-130		
Calcium	109	QM2	mg/l	0.100	2.50	102	280	75-125		
Matrix Spike Dup (7041631-MSD1)	**Source: SA61010-03**									
Prepared & Analyzed: 26-Apr-07										
Sodium	55.6		mg/l	0.250	2.50	52.5	124	75-125	4	20
Nickel	0.486		mg/l	0.0050	0.500	0.0162	94	75-125	1	20
Manganese	0.994		mg/l	0.0010	0.500	0.534	92	75-125	4	20
Antimony	0.471		mg/l	0.0060	0.500	BRL	94	75-125	0.6	20
Selenium	0.490		mg/l	0.0150	0.500	BRL	98	75-125	1	20
Potassium	15.8		mg/l	0.500	5.00	10.6	104	75-125	4	20
Magnesium	34.8	QM2	mg/l	0.0100	0.500	34.5	60	75-125	4	20
Iron	7.87	QM4X	mg/l	0.0150	0.500	8.70	NR	75-125	8	20
Thallium	0.463		mg/l	0.0050	0.500	BRL	93	75-125	1	20
Zinc	0.486		mg/l	0.0050	0.500	0.0417	89	75-125	2	20
Lead	0.476		mg/l	0.0075	0.500	0.0102	93	75-125	1	20
Chromium	0.495		mg/l	0.0050	0.500	0.0154	96	75-125	2	20
Silver	0.446		mg/l	0.0050	0.500	0.0026	89	75-125	2	20
Aluminum	4.75	QM4X	mg/l	0.0150	0.500	4.11	128	75-125	8	20
Beryllium	0.512		mg/l	0.0020	0.500	BRL	102	75-125	1	20
Cadmium	0.484		mg/l	0.0025	0.500	BRL	97	75-125	2	20
Cobalt	0.462		mg/l	0.0050	0.500	0.0048	91	75-125	1	20
Vanadium	0.494		mg/l	0.0050	0.500	0.0123	96	70-130	2	20
Calcium	105		mg/l	0.100	2.50	102	120	75-125	4	20
Arsenic	0.489		mg/l	0.0040	0.500	BRL	98	75-125	1	20
Barium	0.669		mg/l	0.0050	0.500	0.154	103	75-125	2	20
Copper	0.521		mg/l	0.0050	0.500	0.0134	102	75-125	1	20
Post Spike (7041631-PS1)	**Source: SA61010-03**									
Prepared & Analyzed: 26-Apr-07										
Magnesium	35.3	QM2	mg/l	0.0100	0.500	34.5	160	80-120		
Antimony	0.367	QC1	mg/l	0.0060	0.500	BRL	73	80-120		
Selenium	0.508		mg/l	0.0150	0.500	BRL	102	80-120		
Manganese	1.03		mg/l	0.0010	0.500	0.534	99	80-120		
Sodium	56.4	QM2	mg/l	0.250	2.50	52.5	156	80-120		
Nickel	0.503		mg/l	0.0050	0.500	0.0162	97	80-120		
Iron	7.80	QM4X	mg/l	0.0150	0.500	8.70	NR	80-120		
Potassium	15.9		mg/l	0.500	5.00	10.6	106	80-120		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041631 - SW846 3005A										
Post Spike (7041631-PS1) **Source: SA61010-03**										
Prepared & Analyzed: 26-Apr-07										
Lead	0.504		mg/l	0.0075	0.500	0.0102	99	80-120		
Zinc	0.512		mg/l	0.0050	0.500	0.0417	94	80-120		
Thallium	0.486		mg/l	0.0050	0.500	BRL	97	80-120		
Barium	0.686		mg/l	0.0050	0.500	0.154	106	80-120		
Copper	0.548		mg/l	0.0050	0.500	0.0134	107	80-120		
Calcium	107	QM2	mg/l	0.100	2.50	102	200	80-120		
Arsenic	0.510		mg/l	0.0040	0.500	BRL	102	80-120		
Chromium	0.519		mg/l	0.0050	0.500	0.0154	101	80-120		
Cobalt	0.484		mg/l	0.0050	0.500	0.0048	96	80-120		
Vanadium	0.522		mg/l	0.0050	0.500	0.0123	102	80-120		
Aluminum	3.85	QM4X	mg/l	0.0150	0.500	4.11	NR	80-120		
Cadmium	0.504		mg/l	0.0025	0.500	BRL	101	80-120		
Silver	0.468		mg/l	0.0050	0.500	0.0026	93	80-120		
Beryllium	0.531		mg/l	0.0020	0.500	BRL	106	80-120		

Total Metals by EPA 200 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041632 - EPA200/SW7000 Series										
Blank (7041632-BLK1)										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Mercury	BRL	U	mg/l	0.00020						
LCS (7041632-BS1)										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Mercury	0.00246		mg/l	0.00020	0.00250		98	85-115		
Duplicate (7041632-DUP1) **Source: SA61010-03**										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Mercury	BRL	U	mg/l	0.00020		BRL				20
Matrix Spike (7041632-MS1) **Source: SA61010-03**										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Mercury	0.00250		mg/l	0.00020	0.00250	BRL	100	75-125		
Matrix Spike Dup (7041632-MSD1) **Source: SA61010-03**										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Mercury	0.00250		mg/l	0.00020	0.00250	BRL	100	75-125	0	20
Post Spike (7041632-PS1) **Source: SA61010-03**										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Mercury	0.00247		mg/l	0.00020	0.00250	BRL	99	85-115		

TCLP Metals by EPA 1311 & 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041682 - SW846 3010A										
Blank (7041682-BLK1)										
Prepared & Analyzed: 26-Apr-07										
Selenium	BRL	U	mg/l	0.0150						
Lead	BRL	U	mg/l	0.0075						
Cadmium	0.0002	J	mg/l	0.0040						
Arsenic	BRL	U	mg/l	0.0100						
Silver	BRL	U	mg/l	0.0050						
Chromium	BRL	U	mg/l	0.0075						
Barium	BRL	U	mg/l	0.0050						
LCS (7041682-BS1)										
Prepared & Analyzed: 26-Apr-07										
Lead	1.15		mg/l	0.0075	1.25		92	74.1-104		
Selenium	1.21		mg/l	0.0150	1.25		97	78.9-116		
Chromium	1.24		mg/l	0.0075	1.25		99	82-107		
Silver	1.18		mg/l	0.0050	1.25		94	69.2-113		
Cadmium	1.20		mg/l	0.0040	1.25		96	81.6-115		
Arsenic	1.19		mg/l	0.0100	1.25		95	82.5-110		
Barium	1.25		mg/l	0.0050	1.25		100	86-117		
LCS Dup (7041682-BSD1)										
Prepared & Analyzed: 26-Apr-07										
Selenium	1.22		mg/l	0.0150	1.25		98	78.9-116	0.8	20
Lead	1.19		mg/l	0.0075	1.25		95	74.1-104	3	20
Arsenic	1.21		mg/l	0.0100	1.25		97	82.5-110	2	20
Silver	1.21		mg/l	0.0050	1.25		97	69.2-113	3	20
Chromium	1.27		mg/l	0.0075	1.25		102	82-107	2	20
Cadmium	1.23		mg/l	0.0040	1.25		98	81.6-115	2	20
Barium	1.27		mg/l	0.0050	1.25		102	86-117	2	20
Duplicate (7041682-DUP1) **Source: SA61010-06**										
Prepared & Analyzed: 26-Apr-07										
Lead	0.0036	QR4, J	mg/l	0.0075		0.0176			132	20
Selenium	BRL	U	mg/l	0.0150		BRL				20
Chromium	0.0072	J	mg/l	0.0075		0.0068			6	20
Silver	BRL	U	mg/l	0.0050		BRL				20
Cadmium	BRL	U	mg/l	0.0040		BRL				20
Arsenic	BRL	U	mg/l	0.0100		BRL				20
Barium	0.682		mg/l	0.0050		0.646			5	20
Matrix Spike (7041682-MS1) **Source: SA61010-05**										
Prepared & Analyzed: 26-Apr-07										
Selenium	1.27		mg/l	0.0150	1.25	BRL	102	79.9-113		
Lead	1.51		mg/l	0.0075	1.25	0.326	95	68.9-106		
Silver	1.23		mg/l	0.0050	1.25	BRL	98	70.4-112		
Arsenic	1.24		mg/l	0.0100	1.25	BRL	99	82.9-109		
Cadmium	1.23		mg/l	0.0040	1.25	0.0031	98	63.8-121		
Chromium	1.27		mg/l	0.0075	1.25	BRL	102	81-103		
Barium	1.64		mg/l	0.0050	1.25	0.355	103	84.5-116		
Matrix Spike Dup (7041682-MSD1) **Source: SA61010-05**										
Prepared & Analyzed: 26-Apr-07										
Lead	1.51		mg/l	0.0075	1.25	0.326	95	68.9-106	0	35
Selenium	1.27		mg/l	0.0150	1.25	BRL	102	79.9-113	0	35

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041682 - SW846 3010A										
Matrix Spike Dup (7041682-MSD1) **Source: SA61010-05**										
Prepared & Analyzed: 26-Apr-07										
Silver	1.23		mg/l	0.0050	1.25	BRL	98	70.4-112	0	35
Arsenic	1.25		mg/l	0.0100	1.25	BRL	100	82.9-109	0.8	35
Cadmium	1.24		mg/l	0.0040	1.25	0.0031	99	63.8-121	0.8	35
Chromium	1.28		mg/l	0.0075	1.25	BRL	102	81-103	0.8	35
Barium	1.67		mg/l	0.0050	1.25	0.355	105	84.5-116	2	35
Post Spike (7041682-PS1) **Source: SA61010-05**										
Prepared & Analyzed: 26-Apr-07										
Selenium	1.16		mg/l	0.0150	1.25	BRL	93	80.7-114		
Lead	1.42		mg/l	0.0075	1.25	0.326	88	69.1-106		
Chromium	1.18		mg/l	0.0075	1.25	BRL	94	79.2-107		
Cadmium	1.14		mg/l	0.0040	1.25	0.0031	91	70.9-117		
Arsenic	1.15		mg/l	0.0100	1.25	BRL	92	72.8-117		
Silver	1.13		mg/l	0.0050	1.25	BRL	90	67.7-120		
Barium	1.55		mg/l	0.0050	1.25	0.355	96	84.7-117		
Batch 7041683 - EPA200/SW7000 Series										
Blank (7041683-BLK1)										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Mercury	BRL	U	mg/l	0.00020						
LCS (7041683-BS1)										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Mercury	0.00241		mg/l	0.00020	0.00250		96	63.3-124		
Duplicate (7041683-DUP1) **Source: SA61010-06**										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Mercury	BRL	U	mg/l	0.00020		BRL				20
Matrix Spike (7041683-MS1) **Source: SA61010-05**										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Mercury	0.00249		mg/l	0.00020	0.00250	BRL	100	53.1-126		
Matrix Spike Dup (7041683-MSD1) **Source: SA61010-05**										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Mercury	0.00225		mg/l	0.00020	0.00250	BRL	90	53.1-126	10	35
Post Spike (7041683-PS1) **Source: SA61010-05**										
Prepared: 26-Apr-07 Analyzed: 27-Apr-07										
Mercury	0.00238		mg/l	0.00020	0.00250	BRL	95	85-115		

Toxicity Characteristics - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041510 - General Preparation										
Duplicate (7041510-DUP1) **Source: SA60826-12**										
Prepared & Analyzed: 24-Apr-07										
pH	7.38		pH Units			7.21			2	5
Reference (7041510-SRM1)										
Prepared & Analyzed: 24-Apr-07										
pH	7.01		pH Units		7.00		100	90-110		
Batch 7041733 - General Preparation										
Blank (7041733-BLK1)										
Prepared & Analyzed: 26-Apr-07										
Reactivity	Negative	U	mg/kg wet							
Reactive Cyanide	BRL	U	mg/kg wet	25.0						
Reactive Sulfide	BRL	U	mg/kg wet	50.0						
Duplicate (7041733-DUP1) **Source: SA60951-01**										
Prepared & Analyzed: 26-Apr-07										
Reactivity	Negative	U	mg/kg dry			0.00				200
Reactive Cyanide	BRL	U	mg/kg dry	24.9		BRL				20
Reactive Sulfide	BRL	U	mg/kg dry	49.9		BRL				20
Batch 7041735 - General Preparation										
Duplicate (7041735-DUP1) **Source: SA61010-06**										
Prepared & Analyzed: 26-Apr-07										
Ignitability by Definition	Negative	U	N/A			Negative				35

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7041659 - General Preparation										
Blank (7041659-BLK1)										
Prepared & Analyzed: 24-Apr-07										
Hexavalent Chromium	BRL	U	mg/kg wet	1.00						
LCS (7041659-BS1)										
Prepared & Analyzed: 24-Apr-07										
Hexavalent Chromium	19.1		mg/kg wet	1.00	20.0		96	90-110		
Duplicate (7041659-DUP1) **Source: SA61010-06**										
Prepared & Analyzed: 24-Apr-07										
Hexavalent Chromium	0.630	J	mg/kg dry	1.21		0.491			25	35
Matrix Spike (7041659-MS1) **Source: SA61010-06**										
Prepared & Analyzed: 24-Apr-07										
Hexavalent Chromium	19.1		mg/kg dry	1.20	23.9	0.491	78	75-125		
Matrix Spike Dup (7041659-MSD1) **Source: SA61010-06**										
Prepared & Analyzed: 24-Apr-07										
Hexavalent Chromium	21.1		mg/kg dry	1.10	22.1	0.491	93	75-125	10	35
Post Spike (7041659-PS1) **Source: SA61010-06**										
Prepared & Analyzed: 24-Apr-07										
Hexavalent Chromium	0.512		mg/kg dry		0.500	0.0113	100	75-125		
Reference (7041659-SRM1)										
Prepared & Analyzed: 24-Apr-07										
Hexavalent Chromium	189		mg/kg wet	8.62	234		81	0.5-105		
Batch 7041690 - General Preparation										
Duplicate (7041690-DUP1) **Source: SA60981-02**										
Prepared & Analyzed: 26-Apr-07										
% Solids	80.8		%			81.7			1	20

Notes and Definitions

Comp	Completed
FP	Field Preserved
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
Neg	Negative
O01	This compound is a common laboratory contaminant.
QB1	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.
QR2	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QR4	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
SGC	Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
U	Analyte included in the analysis, but not detected
vex1	Lab extracted
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

Report Date:
09-Apr-07 16:59

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: 166-218 Myrtle Ave - Brooklyn, NY
Project 5762901

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA60157-01	LEG 12-0-4	Soil	02-Apr-07 11:35	04-Apr-07 10:15
SA60157-02	LEG 12-10-18	Soil	02-Apr-07 11:50	04-Apr-07 10:15
SA60157-03	LEG 14-0-10	Soil	02-Apr-07 13:30	04-Apr-07 10:15
SA60157-04	LEG 14-20-22	Soil	03-Apr-07 08:41	04-Apr-07 10:15
SA60157-05	LEG 7-0-10	Soil	02-Apr-07 08:36	04-Apr-07 10:15
SA60157-06	LEG 7-16-18	Soil	02-Apr-07 08:55	04-Apr-07 10:15
SA60157-07	LEG 22A-0-6	Soil	03-Apr-07 10:00	04-Apr-07 10:15
SA60157-08	LEG 22A-22-24	Soil	03-Apr-07 10:30	04-Apr-07 10:15
SA60157-09	LEG 13-0-6	Soil	03-Apr-07 12:35	04-Apr-07 10:15
SA60157-10	LEG 13-22-24	Soil	03-Apr-07 12:35	04-Apr-07 10:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 75 pages of analytical data plus Chain of Custody document(s).
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New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NH-2972, NY-11840, FL-E87936 and NJ-MA012).

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 12-0-4 SA60157-01	5762901	Soil	02-Apr-07 11:35	04-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A			1	VOC	04-Apr-07	04-Apr-07	7040239	BD
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	6.1	2.5	1	SW 846 8260B	05-Apr-07	05-Apr-07	7040294	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	122	53.3	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.1	0.7	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	60.8	4.3	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	30.4	0.5	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.1	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.1	0.8	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	12.2	1.3	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.1	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.1	0.9	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.1	1.4	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.1	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.1	0.9	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.1	0.4	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.1	0.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.1	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.1	0.6	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.1	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.1	0.7	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	60.8	0.7	1	"	"	"	"	"
75-09-2	Methylene chloride	5.8	O01, J	µg/kg dry	60.8	2.9	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.1	1.0	1	"	"	"	"	"
127-18-4	Tetrachloroethene	15.0		µg/kg dry	6.1	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.1	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.1	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.1	0.7	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.1	0.7	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.1	0.6	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.1	0.7	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	12.2	1.4	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.1	1.1	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*97*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*107*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	15.3	0.128	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	15.3	0.244	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	15.3	0.249	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	15.3	0.189	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	15.3	0.172	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	76.4	0.852	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	15.3	0.356	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	15.3	0.354	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	15.3	0.326	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 12-0-4	5762901	Soil	02-Apr-07 11:35	04-Apr-07
SA60157-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	15.3	0.231	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
959-98-8	Endosulfan I	BRL	U	µg/kg dry	15.3	0.625	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	15.3	0.549	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	15.3	0.399	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	15.3	0.522	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	15.3	0.412	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	15.3	0.156	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	15.3	0.232	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	15.3	0.232	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	15.3	0.577	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	15.3	1.03	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*54*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*137*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	PCB 1016	BRL	U	µg/kg dry	30.6	1.92	1	SW846 8082	04-Apr-07	05-Apr-07	7040224	MP
11104-28-2	PCB 1221	BRL	U	µg/kg dry	30.6	1.92	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/kg dry	30.6	4.49	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/kg dry	30.6	3.85	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/kg dry	30.6	4.60	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/kg dry	30.6	1.39	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/kg dry	30.6	1.60	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	05-Apr-07	05-Apr-07	7040288	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*53*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	550	13.3	1	SW846 8270C	05-Apr-07	08-Apr-07	7040287	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	550	16.7	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	550	42.3	1	"	"	"	"	"
120-12-7	Anthracene	123	J	µg/kg dry	550	16.7	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	604		µg/kg dry	550	35.5	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	565		µg/kg dry	550	18.8	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	494	J	µg/kg dry	550	73.3	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	358	J	µg/kg dry	550	15.5	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	465	J	µg/kg dry	550	22.2	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	550	10.0	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	550	106	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	550	63.3	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	550	20.0	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 12-0-4	5762901	Soil	02-Apr-07 11:35	04-Apr-07
SA60157-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	550	53.3	1	SW846 8270C	05-Apr-07	08-Apr-07	7040287	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	550	11.1	1	"	"	"	"	"
218-01-9	Chrysene	639		µg/kg dry	550	7.83	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	550	8.83	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	550	6.66	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	550	40.0	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	550	14.5	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	550	17.8	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	550	15.5	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	550	14.5	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	844		µg/kg dry	550	34.5	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	550	13.3	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	550	26.7	1	"	"	"	"	"
206-44-0	Fluoranthene	1,250		µg/kg dry	550	13.3	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	550	13.3	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	550	41.1	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	372	J	µg/kg dry	550	25.5	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	550	33.3	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	550	12.2	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	550	23.3	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	550	13.3	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	550	21.2	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	550	6.66	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	550	18.8	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	550	20.0	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	550	25.5	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	2200	28.8	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	2200	35.5	1	"	"	"	"	"
85-01-8	Phenanthrene	747		µg/kg dry	550	25.5	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	550	11.1	1	"	"	"	"	"
129-00-0	Pyrene	1,320		µg/kg dry	550	39.0	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	550	11.1	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*60*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*60*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*58*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*55*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*64*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*54*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.02	0.814	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7429-90-5	Aluminum	5,360		mg/kg dry	1.54	1.15	1	"	"	"	"	"
7440-38-2	Arsenic	4.18		mg/kg dry	1.54	0.399	1	"	"	"	"	"
7440-39-3	Barium	143		mg/kg dry	0.512	0.169	1	"	"	"	"	"
7440-41-7	Beryllium	0.420	J	mg/kg dry	0.614	0.0742	1	"	"	"	"	"
7440-70-2	Calcium	7,840		mg/kg dry	5.12	4.94	1	"	"	"	"	"
7440-43-9	Cadmium	0.389		mg/kg dry	0.256	0.0256	1	"	"	"	"	"
7440-48-4	Cobalt	5.66		mg/kg dry	0.512	0.0358	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 12-0-4 SA60157-01	5762901	Soil	02-Apr-07 11:35	04-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	16.5		mg/kg dry	0.512	0.241	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7440-50-8	Copper	28.8		mg/kg dry	0.512	0.164	1	"	"	"	"	"
7439-89-6	Iron	11,100		mg/kg dry	0.512	0.409	1	"	"	"	"	"
7439-97-6	Mercury	0.676		mg/kg dry	0.0323	0.0065	1	SW846 7471A	"	05-Apr-07	7040306	YP
7440-09-7	Potassium	1,050		mg/kg dry	12.8	2.29	1	SW846 6010B	"	06-Apr-07	7040305	LR
7439-95-4	Magnesium	3,850		mg/kg dry	2.56	0.496	1	"	"	"	"	"
7439-96-5	Manganese	299		mg/kg dry	0.102	0.0783	1	"	"	"	"	"
7440-23-5	Sodium	174		mg/kg dry	12.8	4.18	1	"	"	"	"	"
7440-02-0	Nickel	39.2		mg/kg dry	0.512	0.179	1	"	"	"	"	"
7439-92-1	Lead	237		mg/kg dry	0.768	0.230	1	"	"	"	"	"
7440-36-0	Antimony	0.742	J	mg/kg dry	1.54	0.261	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.54	0.609	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	1.54	0.256	1	"	"	"	"	"
7440-62-2	Vanadium	20.8		mg/kg dry	0.512	0.0665	1	"	"	"	"	"
7440-66-6	Zinc	113		mg/kg dry	0.512	0.159	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	89.9		%			1	SM2540 G Mod.	06-Apr-07	06-Apr-07	7040392	YM
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	0.984	0.620	1	10-204-00-1-A / SW846 9012A	09-Apr-07	09-Apr-07	7040516	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 12-10-18	5762901	Soil	02-Apr-07 11:50	04-Apr-07
SA60157-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A			1	VOC	04-Apr-07	04-Apr-07	7040239	BD
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	3.9	1.6	1	SW 846 8260B	05-Apr-07	05-Apr-07	7040294	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	78.0	34.2	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	3.9	0.4	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	39.0	2.8	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	19.5	0.4	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	3.9	0.4	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	3.9	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	7.8	0.9	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	3.9	0.3	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	3.9	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	3.9	0.9	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	3.9	0.4	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	3.9	0.5	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	3.9	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	3.9	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	3.9	0.3	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	3.9	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	3.9	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	3.9	0.5	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	39.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	7.6	O01, J	µg/kg dry	39.0	1.9	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	3.9	0.6	1	"	"	"	"	"
127-18-4	Tetrachloroethene	2.1	J	µg/kg dry	3.9	0.2	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	3.9	0.6	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	3.9	0.3	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	3.9	0.5	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	3.9	0.4	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	3.9	0.4	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	3.9	0.5	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	7.8	0.9	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	3.9	0.7	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*96*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*105*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	15.8	0.132	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	15.8	0.251	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	15.8	0.257	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	15.8	0.195	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	15.8	0.177	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	78.8	0.878	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	15.8	0.367	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	15.8	0.365	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	15.8	0.336	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 12-10-18	5762901	Soil	02-Apr-07 11:50	04-Apr-07
SA60157-02				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	15.8	0.238	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
959-98-8	Endosulfan I	BRL	U	µg/kg dry	15.8	0.644	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	15.8	0.566	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	15.8	0.411	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	15.8	0.538	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	15.8	0.424	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	15.8	0.161	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	15.8	0.239	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	15.8	0.239	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	15.8	0.595	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	15.8	1.06	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*53*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	PCB 1016	BRL	U	µg/kg dry	31.5	1.98	1	SW846 8082	04-Apr-07	05-Apr-07	7040224	MP
11104-28-2	PCB 1221	BRL	U	µg/kg dry	31.5	1.98	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/kg dry	31.5	4.63	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/kg dry	31.5	3.97	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/kg dry	31.5	4.74	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/kg dry	31.5	1.43	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/kg dry	31.5	1.65	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	05-Apr-07	05-Apr-07	7040288	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*48*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	258	6.25	1	SW846 8270C	05-Apr-07	08-Apr-07	7040287	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	258	7.81	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	258	19.8	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/kg dry	258	7.81	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/kg dry	258	16.6	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/kg dry	258	8.83	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/kg dry	258	34.4	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/kg dry	258	7.27	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/kg dry	258	10.4	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	258	4.69	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	258	49.5	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	258	29.7	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	258	9.37	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 12-10-18 SA60157-02	5762901	Soil	02-Apr-07 11:50	04-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	258	25.0	1	SW846 8270C	05-Apr-07	08-Apr-07	7040287	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	258	5.21	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/kg dry	258	3.67	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	258	4.14	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	258	3.12	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	258	18.7	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	258	6.80	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	258	8.36	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	258	7.27	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	258	6.80	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	258	16.2	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	258	6.25	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	258	12.5	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/kg dry	258	6.25	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	258	6.25	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	258	19.3	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	258	12.0	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	258	15.6	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	258	5.70	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	258	10.9	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	258	6.25	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	258	9.92	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	258	3.12	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	258	8.83	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	258	9.37	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	258	12.0	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	1030	13.5	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	1030	16.6	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/kg dry	258	12.0	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	258	5.21	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/kg dry	258	18.3	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	258	5.21	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*59*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*53*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*58*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*52*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*67*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*48*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	0.988	0.785	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7429-90-5	Aluminum	7,010		mg/kg dry	1.48	1.11	1	"	"	"	"	"
7440-38-2	Arsenic	1.27	J	mg/kg dry	1.48	0.385	1	"	"	"	"	"
7440-39-3	Barium	46.3		mg/kg dry	0.494	0.163	1	"	"	"	"	"
7440-41-7	Beryllium	0.331	J	mg/kg dry	0.593	0.0716	1	"	"	"	"	"
7440-70-2	Calcium	3,330		mg/kg dry	4.94	4.77	1	"	"	"	"	"
7440-43-9	Cadmium	0.0247	J	mg/kg dry	0.247	0.0247	1	"	"	"	"	"
7440-48-4	Cobalt	6.07		mg/kg dry	0.494	0.0346	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 12-10-18 SA60157-02	5762901	Soil	02-Apr-07 11:50	04-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	16.9		mg/kg dry	0.494	0.232	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7440-50-8	Copper	37.5		mg/kg dry	0.494	0.158	1	"	"	"	"	"
7439-89-6	Iron	9,360		mg/kg dry	0.494	0.395	1	"	"	"	"	"
7439-97-6	Mercury	0.0069	J	mg/kg dry	0.0338	0.0068	1	SW846 7471A	"	05-Apr-07	7040306	YP
7440-09-7	Potassium	1,590		mg/kg dry	12.3	2.21	1	SW846 6010B	"	06-Apr-07	7040305	LR
7439-95-4	Magnesium	6,040		mg/kg dry	2.47	0.479	1	"	"	"	"	"
7439-96-5	Manganese	350		mg/kg dry	0.0988	0.0756	1	"	"	"	"	"
7440-23-5	Sodium	517		mg/kg dry	12.3	4.04	1	"	"	"	"	"
7440-02-0	Nickel	51.9		mg/kg dry	0.494	0.173	1	"	"	"	"	"
7439-92-1	Lead	7.60		mg/kg dry	0.741	0.222	1	"	"	"	"	"
7440-36-0	Antimony	0.726	J	mg/kg dry	1.48	0.252	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.48	0.588	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	1.48	0.247	1	"	"	"	"	"
7440-62-2	Vanadium	17.3		mg/kg dry	0.494	0.0642	1	"	"	"	"	"
7440-66-6	Zinc	26.9		mg/kg dry	0.494	0.153	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	88.6		%			1	SM2540 G Mod.	06-Apr-07	06-Apr-07	7040388	YM
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.06	0.671	1	10-204-00-1-A / SW846 9012A	09-Apr-07	09-Apr-07	7040516	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 14-0-10	5762901	Soil	02-Apr-07 13:30	04-Apr-07
SA60157-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A			1	VOC	04-Apr-07	04-Apr-07	7040239	BD
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	6.6	2.7	1	SW 846 8260B	05-Apr-07	05-Apr-07	7040294	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	132	57.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	66.0	4.7	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	33.0	0.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.6	0.9	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	13.2	1.5	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.6	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.6	1.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.6	0.9	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.6	0.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.6	0.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.6	0.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	66.0	0.7	1	"	"	"	"	"
75-09-2	Methylene chloride	7.8	O01, J	µg/kg dry	66.0	3.2	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.6	1.1	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	6.6	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.6	1.1	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.6	0.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.6	0.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	13.2	1.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.6	1.2	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*97*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*104*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*107*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	15.7	0.132	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	15.7	0.250	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	15.7	0.256	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	15.7	0.194	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	15.7	0.177	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	78.6	0.876	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	3.75	J	µg/kg dry	15.7	0.366	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	6.15	J	µg/kg dry	15.7	0.364	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	53.2		µg/kg dry	15.7	0.335	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 14-0-10	5762901	Soil	02-Apr-07 13:30	04-Apr-07
SA60157-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	15.7	0.237	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
959-98-8	Endosulfan I	BRL	U	µg/kg dry	15.7	0.643	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	15.7	0.565	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	15.7	0.410	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	15.7	0.536	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	15.7	0.423	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	15.7	0.160	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	15.7	0.238	1	"	"	"	"	"
5103-71-9	a-Chlordane	8.73	J	µg/kg dry	15.7	0.238	1	"	"	"	"	"
5566-34-7	g-Chlordane	6.92	J	µg/kg dry	15.7	0.593	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	15.7	1.05	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*78*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*96*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	PCB 1016	BRL	U	µg/kg dry	31.4	1.98	1	SW846 8082	04-Apr-07	05-Apr-07	7040224	MP
11104-28-2	PCB 1221	BRL	U	µg/kg dry	31.4	1.98	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/kg dry	31.4	4.61	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/kg dry	31.4	3.96	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/kg dry	31.4	4.72	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/kg dry	31.4	1.43	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/kg dry	31.4	1.65	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	05-Apr-07	05-Apr-07	7040288	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	326	J	µg/kg dry	547	13.3	1	SW846 8270C	05-Apr-07	08-Apr-07	7040287	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	547	16.6	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	547	42.1	1	"	"	"	"	"
120-12-7	Anthracene	920		µg/kg dry	547	16.6	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	1,710		µg/kg dry	547	35.3	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	1,370		µg/kg dry	547	18.7	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	1,230		µg/kg dry	547	72.9	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	687		µg/kg dry	547	15.4	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	1,180		µg/kg dry	547	22.0	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	547	9.94	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	547	105	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	219	J	µg/kg dry	547	63.0	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	547	19.9	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 14-0-10	5762901	Soil	02-Apr-07 13:30	04-Apr-07
SA60157-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	547	53.0	1	SW846 8270C	05-Apr-07	08-Apr-07	7040287	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	547	11.1	1	"	"	"	"	"
218-01-9	Chrysene	1,650		µg/kg dry	547	7.79	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	72.9	J	µg/kg dry	547	8.78	1	"	"	"	"	"
132-64-9	Dibenzofuran	225	J	µg/kg dry	547	6.63	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	547	39.8	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	547	14.4	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	547	17.7	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	547	15.4	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	547	14.4	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	547	34.3	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	547	13.3	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	547	26.5	1	"	"	"	"	"
206-44-0	Fluoranthene	3,720		µg/kg dry	547	13.3	1	"	"	"	"	"
86-73-7	Fluorene	391	J	µg/kg dry	547	13.3	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	547	40.9	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	798		µg/kg dry	547	25.4	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	547	33.1	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	97.2	J	µg/kg dry	547	12.1	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	547	23.2	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	547	13.3	1	"	"	"	"	"
91-20-3	Naphthalene	149	J	µg/kg dry	547	21.0	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	547	6.63	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	547	18.7	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	547	19.9	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	547	25.4	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	2190	28.7	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	2190	35.3	1	"	"	"	"	"
85-01-8	Phenanthrene	3,530		µg/kg dry	547	25.4	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	547	11.1	1	"	"	"	"	"
129-00-0	Pyrene	3,760		µg/kg dry	547	38.8	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	547	11.1	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*64*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*62*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*61*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*58*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*70*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*59*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.07	0.854	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7429-90-5	Aluminum	7,880		mg/kg dry	1.61	1.20	1	"	"	"	"	"
7440-38-2	Arsenic	2.31		mg/kg dry	1.61	0.419	1	"	"	"	"	"
7440-39-3	Barium	74.5		mg/kg dry	0.537	0.177	1	"	"	"	"	"
7440-41-7	Beryllium	0.370	J	mg/kg dry	0.644	0.0778	1	"	"	"	"	"
7440-70-2	Calcium	4,520		mg/kg dry	5.37	5.19	1	"	"	"	"	"
7440-43-9	Cadmium	0.113	J	mg/kg dry	0.268	0.0268	1	"	"	"	"	"
7440-48-4	Cobalt	5.56		mg/kg dry	0.537	0.0376	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 14-0-10 SA60157-03	5762901	Soil	02-Apr-07 13:30	04-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	15.8		mg/kg dry	0.537	0.252	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7440-50-8	Copper	17.9		mg/kg dry	0.537	0.172	1	"	"	"	"	"
7439-89-6	Iron	13,100		mg/kg dry	0.537	0.429	1	"	"	"	"	"
7439-97-6	Mercury	0.0925		mg/kg dry	0.0341	0.0068	1	SW846 7471A	"	05-Apr-07	7040306	YP
7440-09-7	Potassium	1,740		mg/kg dry	13.4	2.41	1	SW846 6010B	"	06-Apr-07	7040305	LR
7439-95-4	Magnesium	2,530		mg/kg dry	2.68	0.521	1	"	"	"	"	"
7439-96-5	Manganese	250		mg/kg dry	0.107	0.0821	1	"	"	"	"	"
7440-23-5	Sodium	106		mg/kg dry	13.4	4.39	1	"	"	"	"	"
7440-02-0	Nickel	19.9		mg/kg dry	0.537	0.188	1	"	"	"	"	"
7439-92-1	Lead	87.3		mg/kg dry	0.805	0.242	1	"	"	"	"	"
7440-36-0	Antimony	1.04	J	mg/kg dry	1.61	0.274	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.61	0.639	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	1.61	0.268	1	"	"	"	"	"
7440-62-2	Vanadium	22.0		mg/kg dry	0.537	0.0698	1	"	"	"	"	"
7440-66-6	Zinc	76.9		mg/kg dry	0.537	0.166	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	86.5		%			1	SM2540 G Mod.	06-Apr-07	06-Apr-07	7040394	YM
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	0.968	0.610	1	10-204-00-1-A / SW846 9012A	09-Apr-07	09-Apr-07	7040516	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 14-20-22 SA60157-04	5762901	Soil	03-Apr-07 08:41	04-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A			1	VOC	04-Apr-07	04-Apr-07	7040239	BD
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	6.7	2.8	1	SW 846 8260B	05-Apr-07	05-Apr-07	7040294	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	135	59.1	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.7	0.7	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	67.4	4.8	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	33.7	0.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.7	0.7	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.7	0.9	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	13.5	1.5	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.7	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.7	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.7	1.6	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.7	0.7	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.7	0.9	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.7	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.7	0.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.7	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.7	0.7	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.7	0.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.7	0.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	67.4	0.7	1	"	"	"	"	"
75-09-2	Methylene chloride	9.1	O01, J	µg/kg dry	67.4	3.2	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.7	1.1	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	6.7	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.7	1.1	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.7	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.7	0.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.7	0.7	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.7	0.7	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.7	0.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	13.5	1.6	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.7	1.2	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*98*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*100*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*105*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	15.2	0.127	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	15.2	0.242	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	15.2	0.247	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	15.2	0.188	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	15.2	0.171	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	75.8	0.845	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	15.2	0.353	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	15.2	0.351	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	15.2	0.323	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 14-20-22 SA60157-04	5762901	Soil	03-Apr-07 08:41	04-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	15.2	0.229	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
959-98-8	Endosulfan I	BRL	U	µg/kg dry	15.2	0.620	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	15.2	0.545	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	15.2	0.395	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	15.2	0.517	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	15.2	0.408	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	15.2	0.155	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	15.2	0.230	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	15.2	0.230	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	15.2	0.572	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	15.2	1.02	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*54*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*79*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	PCB 1016	BRL	U	µg/kg dry	30.3	1.91	1	SW846 8082	04-Apr-07	05-Apr-07	7040224	MP
11104-28-2	PCB 1221	BRL	U	µg/kg dry	30.3	1.91	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/kg dry	30.3	4.45	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/kg dry	30.3	3.81	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/kg dry	30.3	4.56	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/kg dry	30.3	1.38	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/kg dry	30.3	1.59	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	05-Apr-07	05-Apr-07	7040288	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*48*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	269	6.52	1	SW846 8270C	05-Apr-07	08-Apr-07	7040287	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	269	8.15	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	269	20.7	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/kg dry	269	8.15	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/kg dry	269	17.4	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/kg dry	269	9.21	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/kg dry	269	35.9	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/kg dry	269	7.58	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/kg dry	269	10.8	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	269	4.89	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	269	51.7	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	269	31.0	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	269	9.78	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 14-20-22 SA60157-04	5762901	Soil	03-Apr-07 08:41	04-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	269	26.1	1	SW846 8270C	05-Apr-07	08-Apr-07	7040287	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	269	5.44	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/kg dry	269	3.83	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	269	4.32	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	269	3.26	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	269	19.6	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	269	7.09	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	269	8.72	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	269	7.58	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	269	7.09	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	269	16.9	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	269	6.52	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	269	13.0	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/kg dry	269	6.52	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	269	6.52	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	269	20.1	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	269	12.5	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	269	16.3	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	269	5.95	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	269	11.4	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	269	6.52	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	269	10.4	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	269	3.26	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	269	9.21	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	269	9.78	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	269	12.5	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	1080	14.1	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	1080	17.4	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/kg dry	269	12.5	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	269	5.44	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/kg dry	269	19.1	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	269	5.44	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*62*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*62*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*61*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*58*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*69*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*62*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	1.05		mg/kg dry	0.957	0.761	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7429-90-5	Aluminum	7,830		mg/kg dry	1.44	1.07	1	"	"	"	"	"
7440-38-2	Arsenic	2.82		mg/kg dry	1.44	0.373	1	"	"	"	"	"
7440-39-3	Barium	53.3		mg/kg dry	0.478	0.158	1	"	"	"	"	"
7440-41-7	Beryllium	0.641		mg/kg dry	0.574	0.0694	1	"	"	"	"	"
7440-70-2	Calcium	7,120		mg/kg dry	4.78	4.62	1	"	"	"	"	"
7440-43-9	Cadmium	0.0861	J	mg/kg dry	0.239	0.0239	1	"	"	"	"	"
7440-48-4	Cobalt	7.31		mg/kg dry	0.478	0.0335	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 14-20-22 SA60157-04	5762901	Soil	03-Apr-07 08:41	04-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	20.7		mg/kg dry	0.478	0.225	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7440-50-8	Copper	15.8		mg/kg dry	0.478	0.153	1	"	"	"	"	"
7439-89-6	Iron	14,400		mg/kg dry	0.478	0.383	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/kg dry	0.0334	0.0067	1	SW846 7471A	"	05-Apr-07	7040306	YP
7440-09-7	Potassium	3,660		mg/kg dry	12.0	2.14	1	SW846 6010B	"	06-Apr-07	7040305	LR
7439-95-4	Magnesium	10,700		mg/kg dry	23.9	4.64	10	"	"	06-Apr-07	"	HB
7439-96-5	Manganese	397		mg/kg dry	0.0957	0.0732	1	"	"	06-Apr-07	"	LR
7440-23-5	Sodium	282		mg/kg dry	12.0	3.91	1	"	"	"	"	"
7440-02-0	Nickel	49.8		mg/kg dry	0.478	0.167	1	"	"	"	"	"
7439-92-1	Lead	6.90		mg/kg dry	0.718	0.215	1	"	"	"	"	"
7440-36-0	Antimony	1.27	J	mg/kg dry	1.44	0.244	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.44	0.569	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	1.44	0.239	1	"	"	"	"	"
7440-62-2	Vanadium	25.1		mg/kg dry	0.478	0.0622	1	"	"	"	"	"
7440-66-6	Zinc	62.1		mg/kg dry	0.478	0.148	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	89.7		%			1	SM2540 G Mod.	06-Apr-07	06-Apr-07	7040388	YM
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.12	0.703	1	10-204-00-1-A / SW846 9012A	09-Apr-07	09-Apr-07	7040516	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 7-0-10 SA60157-05	5762901	Soil	02-Apr-07 08:36	04-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A			1	VOC	04-Apr-07	04-Apr-07	7040239	BD
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	5.3	2.2	1	SW 846 8260B	05-Apr-07	05-Apr-07	7040294	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	107	46.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	5.3	0.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	53.4	3.8	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	26.7	0.5	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	5.3	0.7	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	10.7	1.2	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	5.3	0.4	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	5.3	0.8	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	5.3	1.2	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	5.3	0.7	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	5.3	0.4	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	5.3	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	5.3	0.6	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	53.4	0.6	1	"	"	"	"	"
75-09-2	Methylene chloride	4.3	O01, J	µg/kg dry	53.4	2.6	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	5.3	0.9	1	"	"	"	"	"
127-18-4	Tetrachloroethene	1.6	J	µg/kg dry	5.3	0.3	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	5.3	0.9	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	5.3	0.4	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	5.3	0.6	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	5.3	0.6	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	5.3	0.6	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	10.7	1.2	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	5.3	1.0	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*96*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*98*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*103*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	14.2	0.119	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	14.2	0.227	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	14.2	0.232	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	14.2	0.176	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	14.2	0.160	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	71.1	0.792	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	14.2	0.331	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	14.2	0.329	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	14.2	0.303	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 7-0-10 SA60157-05	5762901	Soil	02-Apr-07 08:36	04-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	14.2	0.215	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
959-98-8	Endosulfan I	BRL	U	µg/kg dry	14.2	0.582	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	14.2	0.511	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	14.2	0.371	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	14.2	0.485	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	14.2	0.383	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	14.2	0.145	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	14.2	0.216	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	14.2	0.216	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	14.2	0.537	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	14.2	0.955	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*140*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	PCB 1016	BRL	U	µg/kg dry	28.4	1.79	1	SW846 8082	04-Apr-07	05-Apr-07	7040224	MP
11104-28-2	PCB 1221	BRL	U	µg/kg dry	28.4	1.79	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/kg dry	28.4	4.18	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/kg dry	28.4	3.58	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/kg dry	28.4	4.28	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/kg dry	28.4	1.29	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/kg dry	28.4	1.49	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	05-Apr-07	05-Apr-07	7040288	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*53*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	111	J	µg/kg dry	589	14.3	1	SW846 8270C	05-Apr-07	08-Apr-07	7040287	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	589	17.9	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	589	45.3	1	"	"	"	"	"
120-12-7	Anthracene	292	J	µg/kg dry	589	17.9	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	978		µg/kg dry	589	38.0	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	933		µg/kg dry	589	20.2	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	864		µg/kg dry	589	78.6	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	345	J	µg/kg dry	589	16.6	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	943		µg/kg dry	589	23.7	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	589	10.7	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	589	113	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	589	67.8	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	589	21.4	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 7-0-10 SA60157-05	5762901	Soil	02-Apr-07 08:36	04-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	589	57.1	1	SW846 8270C	05-Apr-07	08-Apr-07	7040287	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	589	11.9	1	"	"	"	"	"
218-01-9	Chrysene	1,030		µg/kg dry	589	8.39	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	589	9.46	1	"	"	"	"	"
132-64-9	Dibenzofuran	60.7	J	µg/kg dry	589	7.14	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	589	42.8	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	589	15.5	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	589	19.1	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	589	16.6	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	589	15.5	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	589	37.0	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	589	14.3	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	589	28.6	1	"	"	"	"	"
206-44-0	Fluoranthene	2,130		µg/kg dry	589	14.3	1	"	"	"	"	"
86-73-7	Fluorene	112	J	µg/kg dry	589	14.3	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	589	44.1	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	589	27.3	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	589	35.7	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	589	13.0	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	589	25.0	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	589	14.3	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	589	22.7	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	589	7.14	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	589	20.2	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	589	21.4	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	589	27.3	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	2360	30.9	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	2360	38.0	1	"	"	"	"	"
85-01-8	Phenanthrene	1,490		µg/kg dry	589	27.3	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	589	11.9	1	"	"	"	"	"
129-00-0	Pyrene	2,320		µg/kg dry	589	41.8	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	589	11.9	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*62*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*60*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*56*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*58*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*78*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*57*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.04	0.827	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7429-90-5	Aluminum	4,580		mg/kg dry	1.56	1.17	1	"	"	"	"	"
7440-38-2	Arsenic	3.48		mg/kg dry	1.56	0.406	1	"	"	"	"	"
7440-39-3	Barium	115		mg/kg dry	0.520	0.172	1	"	"	"	"	"
7440-41-7	Beryllium	0.369	J	mg/kg dry	0.624	0.0755	1	"	"	"	"	"
7440-70-2	Calcium	5,830		mg/kg dry	5.20	5.03	1	"	"	"	"	"
7440-43-9	Cadmium	0.265		mg/kg dry	0.260	0.0260	1	"	"	"	"	"
7440-48-4	Cobalt	4.87		mg/kg dry	0.520	0.0364	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 7-0-10 SA60157-05	5762901	Soil	02-Apr-07 08:36	04-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	17.8		mg/kg dry	0.520	0.245	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7440-50-8	Copper	31.1		mg/kg dry	0.520	0.167	1	"	"	"	"	"
7439-89-6	Iron	10,600		mg/kg dry	0.520	0.416	1	"	"	"	"	"
7439-97-6	Mercury	0.313		mg/kg dry	0.0320	0.0064	1	SW846 7471A	"	05-Apr-07	7040306	YP
7440-09-7	Potassium	924		mg/kg dry	13.0	2.33	1	SW846 6010B	"	06-Apr-07	7040305	LR
7439-95-4	Magnesium	4,140		mg/kg dry	2.60	0.505	1	"	"	"	"	"
7439-96-5	Manganese	241		mg/kg dry	0.104	0.0796	1	"	"	"	"	"
7440-23-5	Sodium	153		mg/kg dry	13.0	4.25	1	"	"	"	"	"
7440-02-0	Nickel	29.2		mg/kg dry	0.520	0.182	1	"	"	"	"	"
7439-92-1	Lead	206		mg/kg dry	0.781	0.234	1	"	"	"	"	"
7440-36-0	Antimony	0.661	J	mg/kg dry	1.56	0.265	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.56	0.619	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	1.56	0.260	1	"	"	"	"	"
7440-62-2	Vanadium	16.7		mg/kg dry	0.520	0.0677	1	"	"	"	"	"
7440-66-6	Zinc	124		mg/kg dry	0.520	0.161	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	93.3		%			1	SM2540 G Mod.	06-Apr-07	06-Apr-07	7040394	YM
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.03	0.648	1	10-204-00-1-A / SW846 9012A	09-Apr-07	09-Apr-07	7040516	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 7-16-18	5762901	Soil	02-Apr-07 08:55	04-Apr-07
SA60157-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	5.3	2.2	1	SW 846 8260B	09-Apr-07	09-Apr-07	7040353	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	107	46.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	5.3	0.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	53.4	3.8	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	26.7	0.5	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	5.3	0.7	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	10.7	1.2	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	5.3	0.4	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	5.3	0.8	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	5.3	1.2	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	5.3	0.7	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	5.3	0.4	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	5.3	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	5.3	0.6	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	53.4	0.6	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/kg dry	53.4	2.6	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	5.3	0.9	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	5.3	0.3	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	5.3	0.9	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	5.3	0.4	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	5.3	0.6	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	5.3	0.6	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	5.3	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	5.3	0.6	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	10.7	1.2	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	5.3	1.0	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*88*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*101*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*108*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*				"	"	"	"	"
	VOC Extraction	Lab extracted		N/A			1	VOC	04-Apr-07	04-Apr-07	7040239	BD
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	15.8	0.133	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	15.8	0.252	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	15.8	0.258	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	15.8	0.196	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	15.8	0.178	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	79.0	0.881	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	15.8	0.368	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	15.8	0.366	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	15.8	0.337	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 7-16-18	5762901	Soil	02-Apr-07 08:55	04-Apr-07
SA60157-06				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	15.8	0.239	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
959-98-8	Endosulfan I	BRL	U	µg/kg dry	15.8	0.647	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	15.8	0.568	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	15.8	0.412	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	15.8	0.539	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	15.8	0.426	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	15.8	0.161	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	15.8	0.240	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	15.8	0.240	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	15.8	0.597	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	15.8	1.06	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*61*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*94*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	PCB 1016	BRL	U	µg/kg dry	31.6	1.99	1	SW846 8082	04-Apr-07	05-Apr-07	7040224	MP
11104-28-2	PCB 1221	BRL	U	µg/kg dry	31.6	1.99	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/kg dry	31.6	4.64	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/kg dry	31.6	3.98	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/kg dry	31.6	4.75	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/kg dry	31.6	1.44	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/kg dry	31.6	1.66	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	05-Apr-07	05-Apr-07	7040288	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	274	6.65	1	SW846 8270C	05-Apr-07	08-Apr-07	7040287	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	274	8.32	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	274	21.1	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/kg dry	274	8.32	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/kg dry	274	17.7	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/kg dry	274	9.40	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/kg dry	274	36.6	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/kg dry	274	7.74	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/kg dry	274	11.1	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	274	4.99	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	274	52.7	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	274	31.6	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	274	9.98	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 7-16-18 SA60157-06	5762901	Soil	02-Apr-07 08:55	04-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	274	26.6	1	SW846 8270C	05-Apr-07	08-Apr-07	7040287	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	274	5.55	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/kg dry	274	3.91	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	274	4.41	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	274	3.33	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	274	20.0	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	274	7.24	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	274	8.90	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	274	7.74	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	274	7.24	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	274	17.2	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	274	6.65	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	274	13.3	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/kg dry	274	6.65	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	274	6.65	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	274	20.5	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	274	12.7	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	274	16.6	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	274	6.07	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	274	11.6	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	274	6.65	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	274	10.6	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	274	3.33	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	274	9.40	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	274	9.98	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	274	12.7	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	1100	14.4	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	1100	17.7	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/kg dry	274	12.7	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	274	5.55	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/kg dry	274	19.5	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	274	5.55	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*58*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*57*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*55*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*55*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*72*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*61*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.06	0.844	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7429-90-5	Aluminum	4,180		mg/kg dry	1.59	1.19	1	"	"	"	"	"
7440-38-2	Arsenic	1.27	J	mg/kg dry	1.59	0.414	1	"	"	"	"	"
7440-39-3	Barium	34.7		mg/kg dry	0.531	0.175	1	"	"	"	"	"
7440-41-7	Beryllium	0.255	J	mg/kg dry	0.637	0.0770	1	"	"	"	"	"
7440-70-2	Calcium	5,690		mg/kg dry	5.31	5.13	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/kg dry	0.266	0.0266	1	"	"	"	"	"
7440-48-4	Cobalt	4.03		mg/kg dry	0.531	0.0372	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 7-16-18 SA60157-06	5762901	Soil	02-Apr-07 08:55	04-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	5.78		mg/kg dry	0.531	0.250	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7440-50-8	Copper	26.3		mg/kg dry	0.531	0.170	1	"	"	"	"	"
7439-89-6	Iron	8,330		mg/kg dry	0.531	0.425	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/kg dry	0.0333	0.0067	1	SW846 7471A	"	05-Apr-07	7040306	YP
7440-09-7	Potassium	552		mg/kg dry	13.3	2.38	1	SW846 6010B	"	06-Apr-07	7040305	LR
7439-95-4	Magnesium	2,550		mg/kg dry	2.66	0.515	1	"	"	"	"	"
7439-96-5	Manganese	165		mg/kg dry	0.106	0.0813	1	"	"	"	"	"
7440-23-5	Sodium	257		mg/kg dry	13.3	4.34	1	"	"	"	"	"
7440-02-0	Nickel	8.30		mg/kg dry	0.531	0.186	1	"	"	"	"	"
7439-92-1	Lead	3.10		mg/kg dry	0.797	0.239	1	"	"	"	"	"
7440-36-0	Antimony	0.414	J	mg/kg dry	1.59	0.271	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.59	0.632	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	1.59	0.266	1	"	"	"	"	"
7440-62-2	Vanadium	13.5		mg/kg dry	0.531	0.0690	1	"	"	"	"	"
7440-66-6	Zinc	19.3		mg/kg dry	0.531	0.165	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	87.8		%			1	SM2540 G Mod.	06-Apr-07	06-Apr-07	7040388	YM
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.13	0.712	1	10-204-00-1-A / SW846 9012A	09-Apr-07	09-Apr-07	7040516	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 22A-0-6 SA60157-07	5762901	Soil	03-Apr-07 10:00	04-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A			1	VOC	04-Apr-07	04-Apr-07	7040239	BD
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	7.2	3.0	1	SW 846 8260B	05-Apr-07	05-Apr-07	7040294	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	145	63.5	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	7.2	0.8	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	72.4	5.1	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	36.2	0.7	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	7.2	0.7	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	7.2	0.9	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	14.5	1.6	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	7.2	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	7.2	1.1	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	7.2	1.7	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	7.2	0.7	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	7.2	1.0	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	7.2	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	7.2	0.7	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	7.2	0.6	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	7.2	0.7	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	7.2	0.7	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	7.2	0.9	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	72.4	0.8	1	"	"	"	"	"
75-09-2	Methylene chloride	6.2	O01, J	µg/kg dry	72.4	3.5	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	7.2	1.2	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	7.2	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	7.2	1.2	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	7.2	0.6	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	7.2	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	7.2	0.8	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	7.2	0.7	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	7.2	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	14.5	1.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	7.2	1.3	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*96*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*98*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*106*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	15.3	0.129	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	15.3	0.244	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	15.3	0.250	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	15.3	0.190	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	15.3	0.173	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	76.6	0.854	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	15.3	0.357	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	15.3	0.355	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	15.3	0.327	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 22A-0-6	5762901	Soil	03-Apr-07 10:00	04-Apr-07
SA60157-07				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	15.3	0.232	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
959-98-8	Endosulfan I	BRL	U	µg/kg dry	15.3	0.627	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	15.3	0.551	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	15.3	0.400	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	15.3	0.523	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	15.3	0.413	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	15.3	0.157	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	15.3	0.233	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	15.3	0.233	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	15.3	0.579	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	15.3	1.03	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*52*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*96*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	PCB 1016	BRL	U	µg/kg dry	30.7	1.93	1	SW846 8082	04-Apr-07	05-Apr-07	7040224	MP
11104-28-2	PCB 1221	BRL	U	µg/kg dry	30.7	1.93	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/kg dry	30.7	4.50	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/kg dry	30.7	3.86	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/kg dry	30.7	4.61	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/kg dry	30.7	1.39	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/kg dry	30.7	1.61	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	05-Apr-07	05-Apr-07	7040288	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	305	J	µg/kg dry	662	16.0	1	SW846 8270C	05-Apr-07	09-Apr-07	7040287	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	662	20.1	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	662	50.9	1	"	"	"	"	"
120-12-7	Anthracene	635	J	µg/kg dry	662	20.1	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	1,020		µg/kg dry	662	42.7	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	812		µg/kg dry	662	22.7	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	778		µg/kg dry	662	88.2	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	274	J	µg/kg dry	662	18.7	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	741		µg/kg dry	662	26.7	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	662	12.0	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	662	127	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	662	76.2	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	662	24.1	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 22A-0-6 SA60157-07	5762901	Soil	03-Apr-07 10:00	04-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	662	64.2	1	SW846 8270C	05-Apr-07	09-Apr-07	7040287	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	662	13.4	1	"	"	"	"	"
218-01-9	Chrysene	1,020		µg/kg dry	662	9.43	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	662	10.6	1	"	"	"	"	"
132-64-9	Dibenzofuran	175	J	µg/kg dry	662	8.02	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	662	48.1	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	662	17.4	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	662	21.5	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	662	18.7	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	662	17.4	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	662	41.5	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	662	16.0	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	136	J	µg/kg dry	662	32.1	1	"	"	"	"	"
206-44-0	Fluoranthene	2,170		µg/kg dry	662	16.0	1	"	"	"	"	"
86-73-7	Fluorene	318	J	µg/kg dry	662	16.0	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	662	49.5	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	318	J	µg/kg dry	662	30.7	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	662	40.1	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	94.9	J	µg/kg dry	662	14.6	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	662	28.1	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	662	16.0	1	"	"	"	"	"
91-20-3	Naphthalene	175	J	µg/kg dry	662	25.5	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	662	8.02	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	662	22.7	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	662	24.1	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	662	30.7	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	2650	34.7	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	2650	42.7	1	"	"	"	"	"
85-01-8	Phenanthrene	2,700		µg/kg dry	662	30.7	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	662	13.4	1	"	"	"	"	"
129-00-0	Pyrene	2,520		µg/kg dry	662	46.9	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	662	13.4	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*60*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*59*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*55*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*55*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*72*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*54*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.04	0.831	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7429-90-5	Aluminum	5,830		mg/kg dry	1.57	1.17	1	"	"	"	"	"
7440-38-2	Arsenic	3.40		mg/kg dry	1.57	0.407	1	"	"	"	"	"
7440-39-3	Barium	53.8		mg/kg dry	0.522	0.172	1	"	"	"	"	"
7440-41-7	Beryllium	0.449	J	mg/kg dry	0.627	0.0757	1	"	"	"	"	"
7440-70-2	Calcium	1,710		mg/kg dry	5.22	5.05	1	"	"	"	"	"
7440-43-9	Cadmium	0.0470	J	mg/kg dry	0.261	0.0261	1	"	"	"	"	"
7440-48-4	Cobalt	4.48		mg/kg dry	0.522	0.0366	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 22A-0-6 SA60157-07	5762901	Soil	03-Apr-07 10:00	04-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	14.2		mg/kg dry	0.522	0.246	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7440-50-8	Copper	17.1		mg/kg dry	0.522	0.167	1	"	"	"	"	"
7439-89-6	Iron	9,440		mg/kg dry	0.522	0.418	1	"	"	"	"	"
7439-97-6	Mercury	0.285		mg/kg dry	0.0324	0.0065	1	SW846 7471A	"	05-Apr-07	7040306	YP
7440-09-7	Potassium	1,430		mg/kg dry	13.1	2.34	1	SW846 6010B	"	06-Apr-07	7040305	LR
7439-95-4	Magnesium	2,970		mg/kg dry	2.61	0.507	1	"	"	"	"	"
7439-96-5	Manganese	180		mg/kg dry	0.104	0.0799	1	"	"	"	"	"
7440-23-5	Sodium	123		mg/kg dry	13.1	4.27	1	"	"	"	"	"
7440-02-0	Nickel	21.8		mg/kg dry	0.522	0.183	1	"	"	"	"	"
7439-92-1	Lead	64.3		mg/kg dry	0.784	0.235	1	"	"	"	"	"
7440-36-0	Antimony	0.648	J	mg/kg dry	1.57	0.266	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.57	0.622	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	1.57	0.261	1	"	"	"	"	"
7440-62-2	Vanadium	17.4		mg/kg dry	0.522	0.0679	1	"	"	"	"	"
7440-66-6	Zinc	44.8		mg/kg dry	0.522	0.162	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	89.7		%			1	SM2540 G Mod.	06-Apr-07	06-Apr-07	7040388	YM
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.14	0.715	1	10-204-00-1-A / SW846 9012A	09-Apr-07	09-Apr-07	7040516	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 22A-22-24 SA60157-08	5762901	Soil	03-Apr-07 10:30	04-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A			1	VOC	04-Apr-07	04-Apr-07	7040239	BD
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	5.1	2.1	1	SW 846 8260B	05-Apr-07	05-Apr-07	7040294	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	103	45.0	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	5.1	0.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	51.3	3.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	25.7	0.5	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	5.1	0.5	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	5.1	0.7	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	10.3	1.1	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	5.1	0.4	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	5.1	0.8	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	5.1	1.2	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	5.1	0.5	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	5.1	0.7	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	5.1	0.4	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	5.1	0.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	5.1	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	5.1	0.5	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	5.1	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	5.1	0.6	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	51.3	0.6	1	"	"	"	"	"
75-09-2	Methylene chloride	5.7	O01, J	µg/kg dry	51.3	2.5	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	5.1	0.8	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	5.1	0.3	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	5.1	0.8	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	5.1	0.4	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	5.1	0.6	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	5.1	0.6	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	5.1	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	5.1	0.6	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	10.3	1.2	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	5.1	0.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*99*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*103*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	14.9	0.125	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	14.9	0.238	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	14.9	0.243	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	14.9	0.185	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	14.9	0.168	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	74.6	0.831	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	14.9	0.347	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	14.9	0.345	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	14.9	0.318	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 22A-22-24 SA60157-08	5762901	Soil	03-Apr-07 10:30	04-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	14.9	0.225	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
959-98-8	Endosulfan I	BRL	U	µg/kg dry	14.9	0.610	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	14.9	0.536	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	14.9	0.389	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	14.9	0.509	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	14.9	0.402	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	14.9	0.152	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	14.9	0.226	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	14.9	0.226	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	14.9	0.563	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	14.9	1.00	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*58*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*89*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	PCB 1016	BRL	U	µg/kg dry	29.8	1.88	1	SW846 8082	04-Apr-07	05-Apr-07	7040224	MP
11104-28-2	PCB 1221	BRL	U	µg/kg dry	29.8	1.88	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/kg dry	29.8	4.38	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/kg dry	29.8	3.76	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/kg dry	29.8	4.49	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/kg dry	29.8	1.36	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/kg dry	29.8	1.56	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	05-Apr-07	05-Apr-07	7040288	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*58*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	240	5.82	1	SW846 8270C	05-Apr-07	09-Apr-07	7040287	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	240	7.28	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	240	18.5	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/kg dry	240	7.28	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/kg dry	240	15.5	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/kg dry	240	8.23	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/kg dry	240	32.0	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/kg dry	240	6.77	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/kg dry	240	9.68	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	240	4.37	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	240	46.2	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	240	27.7	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	240	8.74	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 22A-22-24 SA60157-08	5762901	Soil	03-Apr-07 10:30	04-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	240	23.3	1	SW846 8270C	05-Apr-07	09-Apr-07	7040287	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	240	4.86	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/kg dry	240	3.42	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	240	3.86	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	240	2.91	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	240	17.5	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	240	6.33	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	240	7.79	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	240	6.77	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	240	6.33	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	240	15.1	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	240	5.82	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	26.2	J	µg/kg dry	240	11.6	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/kg dry	240	5.82	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	240	5.82	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	240	18.0	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	240	11.1	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	240	14.6	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	240	5.31	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	240	10.2	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	240	5.82	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	240	9.25	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	240	2.91	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	240	8.23	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	240	8.74	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	240	11.1	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	961	12.6	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	961	15.5	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/kg dry	240	11.1	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	240	4.86	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/kg dry	240	17.0	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	240	4.86	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*55*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*54*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*54*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*52*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*63*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*53*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.03	0.818	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7429-90-5	Aluminum	2,760		mg/kg dry	1.54	1.15	1	"	"	"	"	"
7440-38-2	Arsenic	0.833	J	mg/kg dry	1.54	0.401	1	"	"	"	"	"
7440-39-3	Barium	33.3		mg/kg dry	0.514	0.170	1	"	"	"	"	"
7440-41-7	Beryllium	0.350	J	mg/kg dry	0.617	0.0746	1	"	"	"	"	"
7440-70-2	Calcium	5,130		mg/kg dry	5.14	4.97	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/kg dry	0.257	0.0257	1	"	"	"	"	"
7440-48-4	Cobalt	3.55		mg/kg dry	0.514	0.0360	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 22A-22-24 SA60157-08	5762901	Soil	03-Apr-07 10:30	04-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	8.18		mg/kg dry	0.514	0.242	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7440-50-8	Copper	4.85		mg/kg dry	0.514	0.165	1	"	"	"	"	"
7439-89-6	Iron	6,030		mg/kg dry	0.514	0.412	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/kg dry	0.0318	0.0064	1	SW846 7471A	"	05-Apr-07	7040306	YP
7440-09-7	Potassium	573		mg/kg dry	12.9	2.30	1	SW846 6010B	"	06-Apr-07	7040305	LR
7439-95-4	Magnesium	4,760		mg/kg dry	2.57	0.499	1	"	"	"	"	"
7439-96-5	Manganese	201		mg/kg dry	0.103	0.0787	1	"	"	"	"	"
7440-23-5	Sodium	87.0		mg/kg dry	12.9	4.20	1	"	"	"	"	"
7440-02-0	Nickel	36.7		mg/kg dry	0.514	0.180	1	"	"	"	"	"
7439-92-1	Lead	2.76		mg/kg dry	0.772	0.231	1	"	"	"	"	"
7440-36-0	Antimony	0.329	J	mg/kg dry	1.54	0.262	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.54	0.612	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	1.54	0.257	1	"	"	"	"	"
7440-62-2	Vanadium	6.85		mg/kg dry	0.514	0.0669	1	"	"	"	"	"
7440-66-6	Zinc	13.9		mg/kg dry	0.514	0.159	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	92.7		%			1	SM2540 G Mod.	06-Apr-07	06-Apr-07	7040394	YM
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.05	0.660	1	10-204-00-1-A / SW846 9012A	09-Apr-07	09-Apr-07	7040516	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 13-0-6	5762901	Soil	03-Apr-07 12:35	04-Apr-07
SA60157-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
	VOC Extraction	Lab extracted		N/A			1	VOC	04-Apr-07	04-Apr-07	7040239	BD
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	5.7	2.3	1	SW 846 8260B	05-Apr-07	05-Apr-07	7040294	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	114	49.9	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	5.7	0.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	56.9	4.0	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	28.4	0.5	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	5.7	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	5.7	0.7	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	11.4	1.3	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	5.7	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	5.7	0.9	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	5.7	1.3	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	5.7	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	5.7	0.8	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	5.7	0.4	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	5.7	0.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	5.7	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	5.7	0.6	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	5.7	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	5.7	0.7	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	56.9	0.6	1	"	"	"	"	"
75-09-2	Methylene chloride	5.2	O01, J	µg/kg dry	56.9	2.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	5.7	0.9	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	5.7	0.3	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	5.7	0.9	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	5.7	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	5.7	0.7	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	5.7	0.6	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	5.7	0.6	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	5.7	0.7	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	11.4	1.3	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	5.7	1.0	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*100*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*104*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*106*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	14.9	0.125	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	14.9	0.237	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	14.9	0.242	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	14.9	0.184	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	14.9	0.168	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	74.4	0.829	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	14.9	0.347	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	14.9	0.344	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	14.9	0.317	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 13-0-6	5762901	Soil	03-Apr-07 12:35	04-Apr-07
SA60157-09				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	14.9	0.225	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
959-98-8	Endosulfan I	BRL	U	µg/kg dry	14.9	0.609	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	14.9	0.535	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	14.9	0.388	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	14.9	0.508	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	14.9	0.401	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	14.9	0.152	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	14.9	0.226	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	14.9	0.226	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	14.9	0.562	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	14.9	0.999	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*62*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*92*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	PCB 1016	BRL	U	µg/kg dry	29.8	1.87	1	SW846 8082	04-Apr-07	05-Apr-07	7040224	MP
11104-28-2	PCB 1221	BRL	U	µg/kg dry	29.8	1.87	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/kg dry	29.8	4.37	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/kg dry	29.8	3.75	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/kg dry	29.8	4.47	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/kg dry	29.8	1.35	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/kg dry	29.8	1.56	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	05-Apr-07	05-Apr-07	7040288	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*53*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	542	13.1	1	SW846 8270C	05-Apr-07	09-Apr-07	7040287	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	542	16.4	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	542	41.7	1	"	"	"	"	"
120-12-7	Anthracene	92.0	J	µg/kg dry	542	16.4	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	347	J	µg/kg dry	542	35.0	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	316	J	µg/kg dry	542	18.6	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	272	J	µg/kg dry	542	72.3	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	196	J	µg/kg dry	542	15.3	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	260	J	µg/kg dry	542	21.8	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	542	9.85	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	542	104	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	542	62.4	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	542	19.7	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 13-0-6	5762901	Soil	03-Apr-07 12:35	04-Apr-07
SA60157-09				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	542	52.6	1	SW846 8270C	05-Apr-07	09-Apr-07	7040287	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	542	11.0	1	"	"	"	"	"
218-01-9	Chrysene	337	J	µg/kg dry	542	7.72	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	542	8.70	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	542	6.57	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	542	39.4	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	542	14.3	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	542	17.6	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	542	15.3	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	542	14.3	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	542	34.0	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	542	13.1	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	542	26.3	1	"	"	"	"	"
206-44-0	Fluoranthene	764		µg/kg dry	542	13.1	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	542	13.1	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	542	40.6	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	214	J	µg/kg dry	542	25.1	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	542	32.8	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	542	12.0	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	542	23.0	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	542	13.1	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	542	20.9	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	542	6.57	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	542	18.6	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	542	19.7	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	542	25.1	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	2170	28.4	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	2170	35.0	1	"	"	"	"	"
85-01-8	Phenanthrene	472	J	µg/kg dry	542	25.1	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	542	11.0	1	"	"	"	"	"
129-00-0	Pyrene	735		µg/kg dry	542	38.4	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	542	11.0	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*60*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*59*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*55*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*55*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*67*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*54*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	0.901	0.717	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7429-90-5	Aluminum	3,590		mg/kg dry	1.35	1.01	1	"	"	"	"	"
7440-38-2	Arsenic	0.861	J	mg/kg dry	1.35	0.352	1	"	"	"	"	"
7440-39-3	Barium	32.2		mg/kg dry	0.451	0.149	1	"	"	"	"	"
7440-41-7	Beryllium	0.279	J	mg/kg dry	0.541	0.0653	1	"	"	"	"	"
7440-70-2	Calcium	1,680		mg/kg dry	4.51	4.35	1	"	"	"	"	"
7440-43-9	Cadmium	0.0270	J	mg/kg dry	0.225	0.0225	1	"	"	"	"	"
7440-48-4	Cobalt	4.05		mg/kg dry	0.451	0.0315	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 13-0-6 SA60157-09	5762901	Soil	03-Apr-07 12:35	04-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	11.1		mg/kg dry	0.451	0.212	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7440-50-8	Copper	19.4		mg/kg dry	0.451	0.144	1	"	"	"	"	"
7439-89-6	Iron	9,310		mg/kg dry	0.451	0.361	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/kg dry	0.0314	0.0063	1	SW846 7471A	"	05-Apr-07	7040306	YP
7440-09-7	Potassium	730		mg/kg dry	11.3	2.02	1	SW846 6010B	"	06-Apr-07	7040305	LR
7439-95-4	Magnesium	2,770		mg/kg dry	2.25	0.437	1	"	"	"	"	"
7439-96-5	Manganese	207		mg/kg dry	0.0901	0.0689	1	"	"	"	"	"
7440-23-5	Sodium	189		mg/kg dry	11.3	3.68	1	"	"	"	"	"
7440-02-0	Nickel	25.5		mg/kg dry	0.451	0.158	1	"	"	"	"	"
7439-92-1	Lead	3.52		mg/kg dry	0.676	0.203	1	"	"	"	"	"
7440-36-0	Antimony	0.527	J	mg/kg dry	1.35	0.230	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.35	0.536	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	1.35	0.225	1	"	"	"	"	"
7440-62-2	Vanadium	15.4		mg/kg dry	0.451	0.0586	1	"	"	"	"	"
7440-66-6	Zinc	18.3		mg/kg dry	0.451	0.140	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	94.5		%			1	SM2540 G Mod.	06-Apr-07	06-Apr-07	7040394	YM
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.07	0.677	1	10-204-00-1-A / SW846 9012A	09-Apr-07	09-Apr-07	7040516	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 13-22-24 SA60157-10	5762901	Soil	03-Apr-07 12:35	04-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/kg dry	6.0	2.5	1	SW 846 8260B	09-Apr-07	09-Apr-07	7040353	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	120	52.7	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.0	0.7	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	60.1	4.3	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	30.1	0.5	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.0	0.8	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	12.0	1.3	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.0	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.0	0.9	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.0	1.4	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.0	0.8	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.0	0.4	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.0	0.5	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.0	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.0	0.6	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.0	0.5	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.0	0.7	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	60.1	0.7	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/kg dry	60.1	2.9	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.0	1.0	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	6.0	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.0	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.0	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.0	0.7	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.0	0.7	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.0	0.6	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.0	0.7	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	12.0	1.4	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.0	1.1	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*92*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*102*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*132*	SDUP	*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*112*		*70-130 %*				"	"	"	"	"
	VOC Extraction	Lab extracted		N/A			1	VOC	04-Apr-07	04-Apr-07	7040239	BD
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	14.8	0.124	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	14.8	0.236	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	14.8	0.241	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	14.8	0.183	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	14.8	0.167	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	74.1	0.826	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	14.8	0.345	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	14.8	0.343	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	14.8	0.316	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 13-22-24	5762901	Soil	03-Apr-07 12:35	04-Apr-07
SA60157-10				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	14.8	0.224	1	SW846 8081A	04-Apr-07	07-Apr-07	7040247	TG
959-98-8	Endosulfan I	BRL	U	µg/kg dry	14.8	0.606	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	14.8	0.532	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	14.8	0.386	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	14.8	0.506	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	14.8	0.399	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	14.8	0.151	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	14.8	0.225	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	14.8	0.225	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	14.8	0.559	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	14.8	0.995	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*71*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*89*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3545A												
12674-11-2	PCB 1016	BRL	U	µg/kg dry	29.6	1.86	1	SW846 8082	04-Apr-07	05-Apr-07	7040224	MP
11104-28-2	PCB 1221	BRL	U	µg/kg dry	29.6	1.86	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/kg dry	29.6	4.35	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/kg dry	29.6	3.73	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/kg dry	29.6	4.45	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/kg dry	29.6	1.35	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/kg dry	29.6	1.55	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	05-Apr-07	05-Apr-07	7040288	"
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*51*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	222	5.39	1	SW846 8270C	05-Apr-07	09-Apr-07	7040287	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	222	6.74	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	222	17.1	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/kg dry	222	6.74	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/kg dry	222	14.4	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/kg dry	222	7.61	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/kg dry	222	29.6	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/kg dry	222	6.27	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/kg dry	222	8.96	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	222	4.04	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	222	42.7	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	222	25.6	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	222	8.08	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 13-22-24 SA60157-10	5762901	Soil	03-Apr-07 12:35	04-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	222	21.6	1	SW846 8270C	05-Apr-07	09-Apr-07	7040287	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	222	4.49	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/kg dry	222	3.17	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	222	3.57	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	222	2.69	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	222	16.2	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	222	5.86	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	222	7.21	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	222	6.27	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	222	5.86	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	222	13.9	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	222	5.39	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	222	10.8	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/kg dry	222	5.39	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	222	5.39	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	222	16.6	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	222	10.3	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	222	13.5	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	222	4.92	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	222	9.43	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	222	5.39	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	222	8.56	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	222	2.69	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	222	7.61	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	222	8.08	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	222	10.3	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	889	11.7	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	889	14.4	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/kg dry	222	10.3	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	222	4.49	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/kg dry	222	15.8	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	222	4.49	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*57*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*56*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*55*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*53*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*67*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*53*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	0.924	0.735	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7429-90-5	Aluminum	2,890		mg/kg dry	1.39	1.04	1	"	"	"	"	"
7440-38-2	Arsenic	1.15	J	mg/kg dry	1.39	0.361	1	"	"	"	"	"
7440-39-3	Barium	28.6		mg/kg dry	0.462	0.153	1	"	"	"	"	"
7440-41-7	Beryllium	0.240	J	mg/kg dry	0.555	0.0670	1	"	"	"	"	"
7440-70-2	Calcium	4,460		mg/kg dry	4.62	4.46	1	"	"	"	"	"
7440-43-9	Cadmium	0.0324	J	mg/kg dry	0.231	0.0231	1	"	"	"	"	"
7440-48-4	Cobalt	2.83		mg/kg dry	0.462	0.0324	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 13-22-24 SA60157-10	5762901	Soil	03-Apr-07 12:35	04-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	6.62		mg/kg dry	0.462	0.217	1	SW846 6010B	05-Apr-07	06-Apr-07	7040305	LR
7440-50-8	Copper	4.88		mg/kg dry	0.462	0.148	1	"	"	"	"	"
7439-89-6	Iron	5,840		mg/kg dry	0.462	0.370	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/kg dry	0.0320	0.0064	1	SW846 7471A	"	05-Apr-07	7040306	YP
7440-09-7	Potassium	606		mg/kg dry	11.6	2.07	1	SW846 6010B	"	06-Apr-07	7040305	LR
7439-95-4	Magnesium	2,490		mg/kg dry	2.31	0.448	1	"	"	"	"	"
7439-96-5	Manganese	159		mg/kg dry	0.0924	0.0707	1	"	"	"	"	"
7440-23-5	Sodium	97.2		mg/kg dry	11.6	3.78	1	"	"	"	"	"
7440-02-0	Nickel	10.3		mg/kg dry	0.462	0.162	1	"	"	"	"	"
7439-92-1	Lead	2.29		mg/kg dry	0.693	0.208	1	"	"	"	"	"
7440-36-0	Antimony	0.434	J	mg/kg dry	1.39	0.236	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.39	0.550	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	1.39	0.231	1	"	"	"	"	"
7440-62-2	Vanadium	7.39		mg/kg dry	0.462	0.0601	1	"	"	"	"	"
7440-66-6	Zinc	17.2		mg/kg dry	0.462	0.143	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	92.8		%			1	SM2540 G Mod.	06-Apr-07	06-Apr-07	7040394	YM
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.06	0.666	1	10-204-00-1-A / SW846 9012A	09-Apr-07	09-Apr-07	7040516	rth

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040294 - SW846 5035A Soil (low level)										
Blank (7040294-BLK1)										
Prepared & Analyzed: 05-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/kg wet	5.0						
Acetone	BRL	U	µg/kg wet	100						
Acrylonitrile	BRL	U	µg/kg wet	5.0						
Benzene	BRL	U	µg/kg wet	5.0						
Bromobenzene	BRL	U	µg/kg wet	5.0						
Bromochloromethane	BRL	U	µg/kg wet	5.0						
Bromodichloromethane	BRL	U	µg/kg wet	5.0						
Bromoform	BRL	U	µg/kg wet	5.0						
Bromomethane	BRL	U	µg/kg wet	10.0						
2-Butanone (MEK)	BRL	U	µg/kg wet	50.0						
n-Butylbenzene	BRL	U	µg/kg wet	5.0						
sec-Butylbenzene	BRL	U	µg/kg wet	5.0						
tert-Butylbenzene	BRL	U	µg/kg wet	5.0						
Carbon disulfide	BRL	U	µg/kg wet	25.0						
Carbon tetrachloride	BRL	U	µg/kg wet	5.0						
Chlorobenzene	BRL	U	µg/kg wet	5.0						
Chloroethane	BRL	U	µg/kg wet	10.0						
Chloroform	BRL	U	µg/kg wet	5.0						
Chloromethane	BRL	U	µg/kg wet	10.0						
2-Chlorotoluene	BRL	U	µg/kg wet	5.0						
4-Chlorotoluene	BRL	U	µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/kg wet	10.0						
Dibromochloromethane	BRL	U	µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/kg wet	5.0						
Dibromomethane	BRL	U	µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/kg wet	10.0						
1,1-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,2-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,1-Dichloroethene	BRL	U	µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						
1,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,3-Dichloropropane	BRL	U	µg/kg wet	5.0						
2,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,1-Dichloropropene	BRL	U	µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
Ethylbenzene	BRL	U	µg/kg wet	5.0						
Hexachlorobutadiene	BRL	U	µg/kg wet	5.0						
2-Hexanone (MBK)	BRL	U	µg/kg wet	50.0						
Isopropylbenzene	BRL	U	µg/kg wet	5.0						
4-Isopropyltoluene	BRL	U	µg/kg wet	5.0						
Methyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg wet	50.0						
Methylene chloride	BRL	U	µg/kg wet	50.0						
Naphthalene	BRL	U	µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040294 - SW846 5035A Soil (low level)										
Blank (7040294-BLK1)										
Prepared & Analyzed: 05-Apr-07										
n-Propylbenzene	BRL	U	µg/kg wet	5.0						
Styrene	BRL	U	µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
Tetrachloroethene	BRL	U	µg/kg wet	5.0						
Toluene	BRL	U	µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL	U	µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL	U	µg/kg wet	5.0						
Trichloroethene	BRL	U	µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL	U	µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
Vinyl chloride	BRL	U	µg/kg wet	5.0						
m,p-Xylene	BRL	U	µg/kg wet	10.0						
o-Xylene	BRL	U	µg/kg wet	5.0						
Tetrahydrofuran	BRL	U	µg/kg wet	50.0						
Ethyl ether	BRL	U	µg/kg wet	5.0						
Tert-amyl methyl ether	BRL	U	µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
Di-isopropyl ether	BRL	U	µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/kg wet	50.0						
1,4-Dioxane	BRL	U	µg/kg wet	100						
Surrogate: 4-Bromofluorobenzene	*48.3*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*54.7*		µg/kg wet		*50.0*		*109*	*70-130*		
Surrogate: Dibromofluoromethane	*54.5*		µg/kg wet		*50.0*		*109*	*70-130*		
LCS (7040294-BS1)										
Prepared & Analyzed: 05-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.3		µg/kg wet		20.0		96	70-130		
Acetone	11.6		µg/kg wet		20.0		58	1.77-175		
Acrylonitrile	19.2		µg/kg wet		20.0		96	70-130		
Benzene	17.1		µg/kg wet		20.0		86	70-130		
Bromobenzene	21.9		µg/kg wet		20.0		110	70-130		
Bromochloromethane	21.1		µg/kg wet		20.0		106	70-130		
Bromodichloromethane	19.4		µg/kg wet		20.0		97	70-130		
Bromoform	25.3		µg/kg wet		20.0		126	70-130		
Bromomethane	18.8		µg/kg wet		20.0		94	55.3-136		
2-Butanone (MEK)	12.7		µg/kg wet		20.0		64	38.8-142		
n-Butylbenzene	15.7		µg/kg wet		20.0		78	70-130		
sec-Butylbenzene	19.2		µg/kg wet		20.0		96	70-130		
tert-Butylbenzene	19.9		µg/kg wet		20.0		100	70-130		
Carbon disulfide	15.9		µg/kg wet		20.0		80	70-130		
Carbon tetrachloride	17.5		µg/kg wet		20.0		88	70-130		
Chlorobenzene	20.2		µg/kg wet		20.0		101	70-130		
Chloroethane	19.2		µg/kg wet		20.0		96	55.3-130		
Chloroform	18.4		µg/kg wet		20.0		92	70-130		
Chloromethane	15.9		µg/kg wet		20.0		80	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040294 - SW846 5035A Soil (low level)										
LCS (7040294-BS1)										
Prepared & Analyzed: 05-Apr-07										
2-Chlorotoluene	19.3		µg/kg wet		20.0		96	70-130		
4-Chlorotoluene	19.5		µg/kg wet		20.0		98	70-130		
1,2-Dibromo-3-chloropropane	20.1		µg/kg wet		20.0		100	70-130		
Dibromochloromethane	21.6		µg/kg wet		20.0		108	64.7-139		
1,2-Dibromoethane (EDB)	20.2		µg/kg wet		20.0		101	70-130		
Dibromomethane	19.6		µg/kg wet		20.0		98	70-130		
1,2-Dichlorobenzene	19.2		µg/kg wet		20.0		96	70-130		
1,3-Dichlorobenzene	22.2		µg/kg wet		20.0		111	70-130		
1,4-Dichlorobenzene	18.7		µg/kg wet		20.0		94	70-130		
Dichlorodifluoromethane (Freon12)	15.4		µg/kg wet		20.0		77	34.4-167		
1,1-Dichloroethane	17.4		µg/kg wet		20.0		87	70-130		
1,2-Dichloroethane	18.7		µg/kg wet		20.0		94	70-130		
1,1-Dichloroethene	17.4		µg/kg wet		20.0		87	70-130		
cis-1,2-Dichloroethene	18.7		µg/kg wet		20.0		94	70-130		
trans-1,2-Dichloroethene	17.6		µg/kg wet		20.0		88	70-130		
1,2-Dichloropropane	17.2		µg/kg wet		20.0		86	70-130		
1,3-Dichloropropane	18.7		µg/kg wet		20.0		94	70-130		
2,2-Dichloropropane	14.6		µg/kg wet		20.0		73	70-130		
1,1-Dichloropropene	15.8		µg/kg wet		20.0		79	70-130		
cis-1,3-Dichloropropene	18.3		µg/kg wet		20.0		92	70-130		
trans-1,3-Dichloropropene	18.9		µg/kg wet		20.0		94	70-130		
Ethylbenzene	18.6		µg/kg wet		20.0		93	70-130		
Hexachlorobutadiene	17.2		µg/kg wet		20.0		86	60.7-140		
2-Hexanone (MBK)	11.9	QC2	µg/kg wet		20.0		60	70-130		
Isopropylbenzene	18.1		µg/kg wet		20.0		90	70-130		
4-Isopropyltoluene	17.5		µg/kg wet		20.0		88	70-130		
Methyl tert-butyl ether	18.4		µg/kg wet		20.0		92	70-130		
4-Methyl-2-pentanone (MIBK)	15.7		µg/kg wet		20.0		78	46.1-145		
Methylene chloride	16.9		µg/kg wet		20.0		84	70-130		
Naphthalene	18.3		µg/kg wet		20.0		92	70-130		
n-Propylbenzene	18.0		µg/kg wet		20.0		90	70-130		
Styrene	20.2		µg/kg wet		20.0		101	70-130		
1,1,1,2-Tetrachloroethane	21.4		µg/kg wet		20.0		107	70-130		
1,1,2,2-Tetrachloroethane	19.4		µg/kg wet		20.0		97	70-130		
Tetrachloroethene	19.0		µg/kg wet		20.0		95	70-130		
Toluene	17.9		µg/kg wet		20.0		90	70-130		
1,2,3-Trichlorobenzene	20.3		µg/kg wet		20.0		102	70-130		
1,2,4-Trichlorobenzene	19.4		µg/kg wet		20.0		97	70-130		
1,1,1-Trichloroethane	17.8		µg/kg wet		20.0		89	70-130		
1,1,2-Trichloroethane	19.2		µg/kg wet		20.0		96	70-130		
Trichloroethene	18.1		µg/kg wet		20.0		90	70-130		
Trichlorofluoromethane (Freon 11)	17.1		µg/kg wet		20.0		86	56.8-140		
1,2,3-Trichloropropane	22.2		µg/kg wet		20.0		111	70-130		
1,2,4-Trimethylbenzene	20.3		µg/kg wet		20.0		102	70-130		
1,3,5-Trimethylbenzene	19.7		µg/kg wet		20.0		98	70-130		
Vinyl chloride	18.6		µg/kg wet		20.0		93	70-130		
m,p-Xylene	38.4		µg/kg wet		40.0		96	70-130		
o-Xylene	20.8		µg/kg wet		20.0		104	70-130		
Tetrahydrofuran	16.3		µg/kg wet		20.0		82	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040294 - SW846 5035A Soil (low level)										
LCS (7040294-BS1)										
Prepared & Analyzed: 05-Apr-07										
Ethyl ether	20.2		µg/kg wet		20.0		101	65.3-130		
Tert-amyl methyl ether	17.3		µg/kg wet		20.0		86	70-130		
Ethyl tert-butyl ether	17.7		µg/kg wet		20.0		88	70-130		
Di-isopropyl ether	16.2		µg/kg wet		20.0		81	70-130		
Tert-Butanol / butyl alcohol	150		µg/kg wet		200		75	70-130		
1,4-Dioxane	0.0	QC2, U	µg/kg wet		200			34-155		
Surrogate: 4-Bromofluorobenzene	*51.5*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.3*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*51.2*		µg/kg wet		*50.0*		*102*	*70-130*		
LCS Dup (7040294-BSD1)										
Prepared & Analyzed: 05-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	18.4		µg/kg wet		20.0		92	70-130	4	25
Acetone	12.8		µg/kg wet		20.0		64	1.77-175	10	50
Acrylonitrile	20.0		µg/kg wet		20.0		100	70-130	4	25
Benzene	17.0		µg/kg wet		20.0		85	70-130	1	25
Bromobenzene	21.4		µg/kg wet		20.0		107	70-130	3	25
Bromochloromethane	20.8		µg/kg wet		20.0		104	70-130	2	25
Bromodichloromethane	19.1		µg/kg wet		20.0		96	70-130	1	25
Bromoform	24.7		µg/kg wet		20.0		124	70-130	2	25
Bromomethane	20.8		µg/kg wet		20.0		104	55.3-136	10	50
2-Butanone (MEK)	13.7		µg/kg wet		20.0		68	38.8-142	6	50
n-Butylbenzene	15.1		µg/kg wet		20.0		76	70-130	3	25
sec-Butylbenzene	18.5		µg/kg wet		20.0		92	70-130	4	25
tert-Butylbenzene	19.3		µg/kg wet		20.0		96	70-130	4	25
Carbon disulfide	15.6		µg/kg wet		20.0		78	70-130	3	25
Carbon tetrachloride	17.0		µg/kg wet		20.0		85	70-130	3	25
Chlorobenzene	19.6		µg/kg wet		20.0		98	70-130	3	25
Chloroethane	17.2		µg/kg wet		20.0		86	55.3-130	11	50
Chloroform	17.9		µg/kg wet		20.0		90	70-130	2	25
Chloromethane	14.6		µg/kg wet		20.0		73	70-130	9	25
2-Chlorotoluene	18.7		µg/kg wet		20.0		94	70-130	2	25
4-Chlorotoluene	19.0		µg/kg wet		20.0		95	70-130	3	25
1,2-Dibromo-3-chloropropane	18.8		µg/kg wet		20.0		94	70-130	6	25
Dibromochloromethane	21.0		µg/kg wet		20.0		105	64.7-139	3	50
1,2-Dibromoethane (EDB)	20.5		µg/kg wet		20.0		102	70-130	1	25
Dibromomethane	18.8		µg/kg wet		20.0		94	70-130	4	25
1,2-Dichlorobenzene	18.6		µg/kg wet		20.0		93	70-130	3	25
1,3-Dichlorobenzene	21.3		µg/kg wet		20.0		106	70-130	5	25
1,4-Dichlorobenzene	18.1		µg/kg wet		20.0		90	70-130	4	25
Dichlorodifluoromethane (Freon12)	14.3		µg/kg wet		20.0		72	34.4-167	7	50
1,1-Dichloroethane	17.1		µg/kg wet		20.0		86	70-130	1	25
1,2-Dichloroethane	18.3		µg/kg wet		20.0		92	70-130	2	25
1,1-Dichloroethene	16.8		µg/kg wet		20.0		84	70-130	4	25
cis-1,2-Dichloroethene	18.5		µg/kg wet		20.0		92	70-130	2	25
trans-1,2-Dichloroethene	17.2		µg/kg wet		20.0		86	70-130	2	25
1,2-Dichloropropane	17.1		µg/kg wet		20.0		86	70-130	0	25
1,3-Dichloropropane	18.5		µg/kg wet		20.0		92	70-130	2	25
2,2-Dichloropropane	15.1		µg/kg wet		20.0		76	70-130	4	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040294 - SW846 5035A Soil (low level)										
LCS Dup (7040294-BSD1)										
Prepared & Analyzed: 05-Apr-07										
1,1-Dichloropropene	15.8		µg/kg wet		20.0		79	70-130	0	25
cis-1,3-Dichloropropene	18.2		µg/kg wet		20.0		91	70-130	1	25
trans-1,3-Dichloropropene	18.9		µg/kg wet		20.0		94	70-130	0	25
Ethylbenzene	18.1		µg/kg wet		20.0		90	70-130	3	25
Hexachlorobutadiene	16.3		µg/kg wet		20.0		82	60.7-140	5	50
2-Hexanone (MBK)	12.5	QC2	µg/kg wet		20.0		62	70-130	3	25
Isopropylbenzene	17.7		µg/kg wet		20.0		88	70-130	2	25
4-Isopropyltoluene	16.8		µg/kg wet		20.0		84	70-130	5	25
Methyl tert-butyl ether	18.4		µg/kg wet		20.0		92	70-130	0	25
4-Methyl-2-pentanone (MIBK)	16.0		µg/kg wet		20.0		80	46.1-145	3	50
Methylene chloride	17.3		µg/kg wet		20.0		86	70-130	2	25
Naphthalene	18.1		µg/kg wet		20.0		90	70-130	2	25
n-Propylbenzene	17.4		µg/kg wet		20.0		87	70-130	3	25
Styrene	19.4		µg/kg wet		20.0		97	70-130	4	25
1,1,1,2-Tetrachloroethane	21.2		µg/kg wet		20.0		106	70-130	0.9	25
1,1,2,2-Tetrachloroethane	19.2		µg/kg wet		20.0		96	70-130	1	25
Tetrachloroethene	18.3		µg/kg wet		20.0		92	70-130	3	25
Toluene	17.3		µg/kg wet		20.0		86	70-130	5	25
1,2,3-Trichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	2	25
1,2,4-Trichlorobenzene	18.8		µg/kg wet		20.0		94	70-130	3	25
1,1,1-Trichloroethane	17.0		µg/kg wet		20.0		85	70-130	5	25
1,1,2-Trichloroethane	19.1		µg/kg wet		20.0		96	70-130	0	25
Trichloroethene	17.8		µg/kg wet		20.0		89	70-130	1	25
Trichlorofluoromethane (Freon 11)	16.3		µg/kg wet		20.0		82	56.8-140	5	50
1,2,3-Trichloropropane	21.5		µg/kg wet		20.0		108	70-130	3	25
1,2,4-Trimethylbenzene	19.5		µg/kg wet		20.0		98	70-130	4	25
1,3,5-Trimethylbenzene	19.2		µg/kg wet		20.0		96	70-130	2	25
Vinyl chloride	17.5		µg/kg wet		20.0		88	70-130	6	25
m,p-Xylene	37.1		µg/kg wet		40.0		93	70-130	3	25
o-Xylene	19.8		µg/kg wet		20.0		99	70-130	5	25
Tetrahydrofuran	17.3		µg/kg wet		20.0		86	70-130	5	25
Ethyl ether	19.4		µg/kg wet		20.0		97	65.3-130	4	50
Tert-amyl methyl ether	17.7		µg/kg wet		20.0		88	70-130	2	25
Ethyl tert-butyl ether	17.7		µg/kg wet		20.0		88	70-130	0	25
Di-isopropyl ether	16.3		µg/kg wet		20.0		82	70-130	1	25
Tert-Butanol / butyl alcohol	160		µg/kg wet		200		80	70-130	6	25
1,4-Dioxane	0.0	QC2, U	µg/kg wet		200			34-155		25
Surrogate: 4-Bromofluorobenzene	*51.8*		µg/kg wet		*50.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*50.0*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*48.2*		µg/kg wet		*50.0*		*96*	*70-130*		
Surrogate: Dibromofluoromethane	*52.1*		µg/kg wet		*50.0*		*104*	*70-130*		
Batch 7040353 - SW846 5035A Soil (low level)										
Blank (7040353-BLK1)										
Prepared & Analyzed: 09-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/kg wet	5.0						
Acetone	BRL	U	µg/kg wet	100						
Acrylonitrile	BRL	U	µg/kg wet	5.0						
Benzene	BRL	U	µg/kg wet	5.0						
Bromobenzene	BRL	U	µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040353 - SW846 5035A Soil (low level)										
Blank (7040353-BLK1)										
Prepared & Analyzed: 09-Apr-07										
Bromochloromethane	BRL	U	µg/kg wet	5.0						
Bromodichloromethane	BRL	U	µg/kg wet	5.0						
Bromoform	BRL	U	µg/kg wet	5.0						
Bromomethane	BRL	U	µg/kg wet	10.0						
2-Butanone (MEK)	BRL	U	µg/kg wet	50.0						
n-Butylbenzene	BRL	U	µg/kg wet	5.0						
sec-Butylbenzene	BRL	U	µg/kg wet	5.0						
tert-Butylbenzene	BRL	U	µg/kg wet	5.0						
Carbon disulfide	BRL	U	µg/kg wet	25.0						
Carbon tetrachloride	BRL	U	µg/kg wet	5.0						
Chlorobenzene	BRL	U	µg/kg wet	5.0						
Chloroethane	BRL	U	µg/kg wet	10.0						
Chloroform	BRL	U	µg/kg wet	5.0						
Chloromethane	BRL	U	µg/kg wet	10.0						
2-Chlorotoluene	BRL	U	µg/kg wet	5.0						
4-Chlorotoluene	BRL	U	µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/kg wet	10.0						
Dibromochloromethane	BRL	U	µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/kg wet	5.0						
Dibromomethane	BRL	U	µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/kg wet	10.0						
1,1-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,2-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,1-Dichloroethene	BRL	U	µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						
1,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,3-Dichloropropane	BRL	U	µg/kg wet	5.0						
2,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,1-Dichloropropene	BRL	U	µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
Ethylbenzene	BRL	U	µg/kg wet	5.0						
Hexachlorobutadiene	BRL	U	µg/kg wet	5.0						
2-Hexanone (MBK)	BRL	U	µg/kg wet	50.0						
Isopropylbenzene	BRL	U	µg/kg wet	5.0						
4-Isopropyltoluene	BRL	U	µg/kg wet	5.0						
Methyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg wet	50.0						
Methylene chloride	BRL	U	µg/kg wet	50.0						
Naphthalene	BRL	U	µg/kg wet	5.0						
n-Propylbenzene	BRL	U	µg/kg wet	5.0						
Styrene	BRL	U	µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
Tetrachloroethene	BRL	U	µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040353 - SW846 5035A Soil (low level)										
Blank (7040353-BLK1)										
Prepared & Analyzed: 09-Apr-07										
Toluene	BRL	U	µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL	U	µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL	U	µg/kg wet	5.0						
Trichloroethene	BRL	U	µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL	U	µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
Vinyl chloride	BRL	U	µg/kg wet	5.0						
m,p-Xylene	BRL	U	µg/kg wet	10.0						
o-Xylene	BRL	U	µg/kg wet	5.0						
Tetrahydrofuran	BRL	U	µg/kg wet	50.0						
Ethyl ether	BRL	U	µg/kg wet	5.0						
Tert-amyl methyl ether	BRL	U	µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
Di-isopropyl ether	BRL	U	µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/kg wet	50.0						
1,4-Dioxane	BRL	U	µg/kg wet	100						
Surrogate: 4-Bromofluorobenzene	*44.5*		µg/kg wet		*50.0*		*89*	*70-130*		
Surrogate: Toluene-d8	*49.6*		µg/kg wet		*50.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.1*		µg/kg wet		*50.0*		*106*	*70-130*		
Surrogate: Dibromofluoromethane	*51.3*		µg/kg wet		*50.0*		*103*	*70-130*		
LCS (7040353-BS1)										
Prepared & Analyzed: 09-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.4		µg/kg wet		20.0		102	70-130		
Acetone	20.0		µg/kg wet		20.0		100	1.77-175		
Acrylonitrile	17.2		µg/kg wet		20.0		86	70-130		
Benzene	19.0		µg/kg wet		20.0		95	70-130		
Bromobenzene	20.3		µg/kg wet		20.0		102	70-130		
Bromochloromethane	18.1		µg/kg wet		20.0		90	70-130		
Bromodichloromethane	19.0		µg/kg wet		20.0		95	70-130		
Bromoform	18.8		µg/kg wet		20.0		94	70-130		
Bromomethane	17.2		µg/kg wet		20.0		86	55.3-136		
2-Butanone (MEK)	15.4		µg/kg wet		20.0		77	38.8-142		
n-Butylbenzene	22.4		µg/kg wet		20.0		112	70-130		
sec-Butylbenzene	21.7		µg/kg wet		20.0		108	70-130		
tert-Butylbenzene	21.4		µg/kg wet		20.0		107	70-130		
Carbon disulfide	19.2		µg/kg wet		20.0		96	70-130		
Carbon tetrachloride	17.2		µg/kg wet		20.0		86	70-130		
Chlorobenzene	20.9		µg/kg wet		20.0		104	70-130		
Chloroethane	18.2		µg/kg wet		20.0		91	55.3-130		
Chloroform	17.9		µg/kg wet		20.0		90	70-130		
Chloromethane	18.6		µg/kg wet		20.0		93	70-130		
2-Chlorotoluene	20.7		µg/kg wet		20.0		104	70-130		
4-Chlorotoluene	20.7		µg/kg wet		20.0		104	70-130		
1,2-Dibromo-3-chloropropane	18.8		µg/kg wet		20.0		94	70-130		
Dibromochloromethane	19.2		µg/kg wet		20.0		96	64.7-139		
1,2-Dibromoethane (EDB)	18.4		µg/kg wet		20.0		92	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040353 - SW846 5035A Soil (low level)										
LCS (7040353-BS1)										
Prepared & Analyzed: 09-Apr-07										
Dibromomethane	19.0		µg/kg wet		20.0		95	70-130		
1,2-Dichlorobenzene	22.6		µg/kg wet		20.0		113	70-130		
1,3-Dichlorobenzene	21.3		µg/kg wet		20.0		106	70-130		
1,4-Dichlorobenzene	21.7		µg/kg wet		20.0		108	70-130		
Dichlorodifluoromethane (Freon12)	18.0		µg/kg wet		20.0		90	34.4-167		
1,1-Dichloroethane	18.7		µg/kg wet		20.0		94	70-130		
1,2-Dichloroethane	17.5		µg/kg wet		20.0		88	70-130		
1,1-Dichloroethene	17.6		µg/kg wet		20.0		88	70-130		
cis-1,2-Dichloroethene	19.8		µg/kg wet		20.0		99	70-130		
trans-1,2-Dichloroethene	18.8		µg/kg wet		20.0		94	70-130		
1,2-Dichloropropane	19.7		µg/kg wet		20.0		98	70-130		
1,3-Dichloropropane	18.8		µg/kg wet		20.0		94	70-130		
2,2-Dichloropropane	16.1		µg/kg wet		20.0		80	70-130		
1,1-Dichloropropene	17.9		µg/kg wet		20.0		90	70-130		
cis-1,3-Dichloropropene	18.2		µg/kg wet		20.0		91	70-130		
trans-1,3-Dichloropropene	18.0		µg/kg wet		20.0		90	70-130		
Ethylbenzene	20.4		µg/kg wet		20.0		102	70-130		
Hexachlorobutadiene	19.6		µg/kg wet		20.0		98	60.7-140		
2-Hexanone (MBK)	14.3		µg/kg wet		20.0		72	70-130		
Isopropylbenzene	19.8		µg/kg wet		20.0		99	70-130		
4-Isopropyltoluene	22.6		µg/kg wet		20.0		113	70-130		
Methyl tert-butyl ether	17.2		µg/kg wet		20.0		86	70-130		
4-Methyl-2-pentanone (MIBK)	16.2		µg/kg wet		20.0		81	46.1-145		
Methylene chloride	17.5		µg/kg wet		20.0		88	70-130		
Naphthalene	23.3		µg/kg wet		20.0		116	70-130		
n-Propylbenzene	20.7		µg/kg wet		20.0		104	70-130		
Styrene	20.6		µg/kg wet		20.0		103	70-130		
1,1,1,2-Tetrachloroethane	20.5		µg/kg wet		20.0		102	70-130		
1,1,2,2-Tetrachloroethane	19.6		µg/kg wet		20.0		98	70-130		
Tetrachloroethene	17.4		µg/kg wet		20.0		87	70-130		
Toluene	18.0		µg/kg wet		20.0		90	70-130		
1,2,3-Trichlorobenzene	21.8		µg/kg wet		20.0		109	70-130		
1,2,4-Trichlorobenzene	21.1		µg/kg wet		20.0		106	70-130		
1,1,1-Trichloroethane	17.6		µg/kg wet		20.0		88	70-130		
1,1,2-Trichloroethane	20.0		µg/kg wet		20.0		100	70-130		
Trichloroethene	18.8		µg/kg wet		20.0		94	70-130		
Trichlorofluoromethane (Freon 11)	18.6		µg/kg wet		20.0		93	56.8-140		
1,2,3-Trichloropropane	21.7		µg/kg wet		20.0		108	70-130		
1,2,4-Trimethylbenzene	20.7		µg/kg wet		20.0		104	70-130		
1,3,5-Trimethylbenzene	20.7		µg/kg wet		20.0		104	70-130		
Vinyl chloride	21.9		µg/kg wet		20.0		110	70-130		
m,p-Xylene	40.8		µg/kg wet		40.0		102	70-130		
o-Xylene	21.4		µg/kg wet		20.0		107	70-130		
Tetrahydrofuran	14.7		µg/kg wet		20.0		74	70-130		
Ethyl ether	18.7		µg/kg wet		20.0		94	65.3-130		
Tert-amyl methyl ether	17.2		µg/kg wet		20.0		86	70-130		
Ethyl tert-butyl ether	18.0		µg/kg wet		20.0		90	70-130		
Di-isopropyl ether	17.8		µg/kg wet		20.0		89	70-130		
Tert-Butanol / butyl alcohol	156		µg/kg wet		200		78	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040353 - SW846 5035A Soil (low level)										
LCS (7040353-BS1)										
Prepared & Analyzed: 09-Apr-07										
1,4-Dioxane	184		µg/kg wet		200		92	34-155		
Surrogate: 4-Bromofluorobenzene	*46.0*		µg/kg wet		*50.0*		*92*	*70-130*		
Surrogate: Toluene-d8	*48.5*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*44.6*		µg/kg wet		*50.0*		*89*	*70-130*		
Surrogate: Dibromofluoromethane	*49.3*		µg/kg wet		*50.0*		*99*	*70-130*		
LCS Dup (7040353-BSD1)										
Prepared & Analyzed: 09-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	20.2		µg/kg wet		20.0		101	70-130	1	25
Acetone	17.0		µg/kg wet		20.0		85	1.77-175	16	50
Acrylonitrile	19.8		µg/kg wet		20.0		99	70-130	14	25
Benzene	19.1		µg/kg wet		20.0		96	70-130	1	25
Bromobenzene	19.4		µg/kg wet		20.0		97	70-130	5	25
Bromochloromethane	19.5		µg/kg wet		20.0		98	70-130	9	25
Bromodichloromethane	19.5		µg/kg wet		20.0		98	70-130	3	25
Bromoform	20.1		µg/kg wet		20.0		100	70-130	6	25
Bromomethane	17.9		µg/kg wet		20.0		90	55.3-136	5	50
2-Butanone (MEK)	14.3		µg/kg wet		20.0		72	38.8-142	7	50
n-Butylbenzene	20.6		µg/kg wet		20.0		103	70-130	8	25
sec-Butylbenzene	20.1		µg/kg wet		20.0		100	70-130	8	25
tert-Butylbenzene	19.7		µg/kg wet		20.0		98	70-130	9	25
Carbon disulfide	16.6		µg/kg wet		20.0		83	70-130	15	25
Carbon tetrachloride	17.3		µg/kg wet		20.0		86	70-130	0	25
Chlorobenzene	20.8		µg/kg wet		20.0		104	70-130	0	25
Chloroethane	18.4		µg/kg wet		20.0		92	55.3-130	1	50
Chloroform	18.2		µg/kg wet		20.0		91	70-130	1	25
Chloromethane	19.0		µg/kg wet		20.0		95	70-130	2	25
2-Chlorotoluene	19.7		µg/kg wet		20.0		98	70-130	6	25
4-Chlorotoluene	19.6		µg/kg wet		20.0		98	70-130	6	25
1,2-Dibromo-3-chloropropane	19.4		µg/kg wet		20.0		97	70-130	3	25
Dibromochloromethane	19.8		µg/kg wet		20.0		99	64.7-139	3	50
1,2-Dibromoethane (EDB)	19.9		µg/kg wet		20.0		100	70-130	8	25
Dibromomethane	19.7		µg/kg wet		20.0		98	70-130	3	25
1,2-Dichlorobenzene	21.1		µg/kg wet		20.0		106	70-130	6	25
1,3-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130	5	25
1,4-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	8	25
Dichlorodifluoromethane (Freon12)	18.1		µg/kg wet		20.0		90	34.4-167	0	50
1,1-Dichloroethane	18.7		µg/kg wet		20.0		94	70-130	0	25
1,2-Dichloroethane	18.1		µg/kg wet		20.0		90	70-130	2	25
1,1-Dichloroethene	17.5		µg/kg wet		20.0		88	70-130	0	25
cis-1,2-Dichloroethene	20.0		µg/kg wet		20.0		100	70-130	1	25
trans-1,2-Dichloroethene	18.9		µg/kg wet		20.0		94	70-130	0	25
1,2-Dichloropropane	20.3		µg/kg wet		20.0		102	70-130	4	25
1,3-Dichloropropane	19.7		µg/kg wet		20.0		98	70-130	4	25
2,2-Dichloropropane	16.5		µg/kg wet		20.0		82	70-130	2	25
1,1-Dichloropropene	17.9		µg/kg wet		20.0		90	70-130	0	25
cis-1,3-Dichloropropene	19.0		µg/kg wet		20.0		95	70-130	4	25
trans-1,3-Dichloropropene	18.6		µg/kg wet		20.0		93	70-130	3	25
Ethylbenzene	20.4		µg/kg wet		20.0		102	70-130	0	25
Hexachlorobutadiene	17.0		µg/kg wet		20.0		85	60.7-140	14	50
2-Hexanone (MBK)	15.3		µg/kg wet		20.0		76	70-130	5	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040353 - SW846 5035A Soil (low level)										
LCS Dup (7040353-BSD1)										
Prepared & Analyzed: 09-Apr-07										
Isopropylbenzene	18.9		µg/kg wet		20.0		94	70-130	5	25
4-Isopropyltoluene	20.6		µg/kg wet		20.0		103	70-130	9	25
Methyl tert-butyl ether	18.6		µg/kg wet		20.0		93	70-130	8	25
4-Methyl-2-pentanone (MIBK)	17.8		µg/kg wet		20.0		89	46.1-145	9	50
Methylene chloride	17.9		µg/kg wet		20.0		90	70-130	2	25
Naphthalene	22.3		µg/kg wet		20.0		112	70-130	4	25
n-Propylbenzene	19.4		µg/kg wet		20.0		97	70-130	7	25
Styrene	20.5		µg/kg wet		20.0		102	70-130	1	25
1,1,1,2-Tetrachloroethane	21.4		µg/kg wet		20.0		107	70-130	5	25
1,1,2,2-Tetrachloroethane	21.1		µg/kg wet		20.0		106	70-130	8	25
Tetrachloroethene	17.2		µg/kg wet		20.0		86	70-130	1	25
Toluene	17.9		µg/kg wet		20.0		90	70-130	0	25
1,2,3-Trichlorobenzene	20.1		µg/kg wet		20.0		100	70-130	9	25
1,2,4-Trichlorobenzene	19.4		µg/kg wet		20.0		97	70-130	9	25
1,1,1-Trichloroethane	17.5		µg/kg wet		20.0		88	70-130	0	25
1,1,2-Trichloroethane	20.8		µg/kg wet		20.0		104	70-130	4	25
Trichloroethene	19.0		µg/kg wet		20.0		95	70-130	1	25
Trichlorofluoromethane (Freon 11)	18.6		µg/kg wet		20.0		93	56.8-140	0	50
1,2,3-Trichloropropane	23.0		µg/kg wet		20.0		115	70-130	6	25
1,2,4-Trimethylbenzene	19.7		µg/kg wet		20.0		98	70-130	6	25
1,3,5-Trimethylbenzene	19.5		µg/kg wet		20.0		98	70-130	6	25
Vinyl chloride	21.4		µg/kg wet		20.0		107	70-130	3	25
m,p-Xylene	40.2		µg/kg wet		40.0		100	70-130	2	25
o-Xylene	21.2		µg/kg wet		20.0		106	70-130	0.9	25
Tetrahydrofuran	16.4		µg/kg wet		20.0		82	70-130	10	25
Ethyl ether	19.7		µg/kg wet		20.0		98	65.3-130	4	50
Tert-amyl methyl ether	17.6		µg/kg wet		20.0		88	70-130	2	25
Ethyl tert-butyl ether	18.9		µg/kg wet		20.0		94	70-130	4	25
Di-isopropyl ether	18.5		µg/kg wet		20.0		92	70-130	3	25
Tert-Butanol / butyl alcohol	175		µg/kg wet		200		88	70-130	12	25
1,4-Dioxane	191		µg/kg wet		200		96	34-155	4	25
Surrogate: 4-Bromofluorobenzene	*47.2*		µg/kg wet		*50.0*		*94*	*70-130*		
Surrogate: Toluene-d8	*48.4*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*45.5*		µg/kg wet		*50.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*50.1*		µg/kg wet		*50.0*		*100*	*70-130*		
Batch 7040472 - SW846 5030 Soil (high level)										
Blank (7040472-BLK1)										
Prepared & Analyzed: 07-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/kg wet	1.0						
Acetone	BRL	U	µg/kg wet	20.0						
Acrylonitrile	BRL	U	µg/kg wet	1.0						
Benzene	BRL	U	µg/kg wet	1.0						
Bromobenzene	BRL	U	µg/kg wet	1.0						
Bromochloromethane	BRL	U	µg/kg wet	1.0						
Bromodichloromethane	BRL	U	µg/kg wet	1.0						
Bromoform	BRL	U	µg/kg wet	1.0						
Bromomethane	BRL	U	µg/kg wet	2.0						
2-Butanone (MEK)	BRL	U	µg/kg wet	10.0						
n-Butylbenzene	BRL	U	µg/kg wet	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040472 - SW846 5030 Soil (high level)										
Blank (7040472-BLK1)										
Prepared & Analyzed: 07-Apr-07										
sec-Butylbenzene	BRL	U	µg/kg wet	1.0						
tert-Butylbenzene	BRL	U	µg/kg wet	1.0						
Carbon disulfide	BRL	U	µg/kg wet	5.0						
Carbon tetrachloride	BRL	U	µg/kg wet	1.0						
Chlorobenzene	BRL	U	µg/kg wet	1.0						
Chloroethane	BRL	U	µg/kg wet	2.0						
Chloroform	BRL	U	µg/kg wet	1.0						
Chloromethane	BRL	U	µg/kg wet	2.0						
2-Chlorotoluene	BRL	U	µg/kg wet	1.0						
4-Chlorotoluene	BRL	U	µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/kg wet	2.0						
Dibromochloromethane	BRL	U	µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/kg wet	1.0						
Dibromomethane	BRL	U	µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/kg wet	2.0						
1,1-Dichloroethane	BRL	U	µg/kg wet	1.0						
1,2-Dichloroethane	BRL	U	µg/kg wet	1.0						
1,1-Dichloroethene	BRL	U	µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/kg wet	1.0						
1,2-Dichloropropane	BRL	U	µg/kg wet	1.0						
1,3-Dichloropropane	BRL	U	µg/kg wet	1.0						
2,2-Dichloropropane	BRL	U	µg/kg wet	1.0						
1,1-Dichloropropene	BRL	U	µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL	U	µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL	U	µg/kg wet	1.0						
Ethylbenzene	BRL	U	µg/kg wet	1.0						
Hexachlorobutadiene	BRL	U	µg/kg wet	1.0						
2-Hexanone (MBK)	BRL	U	µg/kg wet	10.0						
Isopropylbenzene	BRL	U	µg/kg wet	1.0						
4-Isopropyltoluene	BRL	U	µg/kg wet	1.0						
Methyl tert-butyl ether	BRL	U	µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg wet	10.0						
Methylene chloride	BRL	U	µg/kg wet	10.0						
Naphthalene	BRL	U	µg/kg wet	1.0						
n-Propylbenzene	BRL	U	µg/kg wet	1.0						
Styrene	BRL	U	µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/kg wet	1.0						
Tetrachloroethene	BRL	U	µg/kg wet	1.0						
Toluene	BRL	U	µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL	U	µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL	U	µg/kg wet	1.0						
Trichloroethene	BRL	U	µg/kg wet	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040472 - SW846 5030 Soil (high level)										
Blank (7040472-BLK1)										
Prepared & Analyzed: 07-Apr-07										
Trichlorofluoromethane (Freon 11)	BRL	U	µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL	U	µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/kg wet	1.0						
Vinyl chloride	BRL	U	µg/kg wet	1.0						
m,p-Xylene	BRL	U	µg/kg wet	2.0						
o-Xylene	BRL	U	µg/kg wet	1.0						
Tetrahydrofuran	BRL	U	µg/kg wet	10.0						
Ethyl ether	BRL	U	µg/kg wet	1.0						
Tert-amyl methyl ether	BRL	U	µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL	U	µg/kg wet	1.0						
Di-isopropyl ether	BRL	U	µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/kg wet	10.0						
1,4-Dioxane	BRL	U	µg/kg wet	20.0						
Surrogate: 4-Bromofluorobenzene	*30.1*		µg/kg wet		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*29.0*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.2*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*29.4*		µg/kg wet		*30.0*		*98*	*70-130*		
LCS (7040472-BS1)										
Prepared & Analyzed: 07-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.9		µg/kg wet		20.0		100	70-130		
Acetone	18.4		µg/kg wet		20.0		92	1.77-175		
Acrylonitrile	17.0		µg/kg wet		20.0		85	70-130		
Benzene	20.5		µg/kg wet		20.0		102	70-130		
Bromobenzene	20.8		µg/kg wet		20.0		104	70-130		
Bromochloromethane	20.6		µg/kg wet		20.0		103	70-130		
Bromodichloromethane	21.7		µg/kg wet		20.0		108	70-130		
Bromoform	18.7		µg/kg wet		20.0		94	70-130		
Bromomethane	21.4		µg/kg wet		20.0		107	55.3-136		
2-Butanone (MEK)	18.8		µg/kg wet		20.0		94	38.8-142		
n-Butylbenzene	19.0		µg/kg wet		20.0		95	70-130		
sec-Butylbenzene	19.1		µg/kg wet		20.0		96	70-130		
tert-Butylbenzene	19.1		µg/kg wet		20.0		96	70-130		
Carbon disulfide	21.7		µg/kg wet		20.0		108	70-130		
Carbon tetrachloride	19.2		µg/kg wet		20.0		96	70-130		
Chlorobenzene	21.2		µg/kg wet		20.0		106	70-130		
Chloroethane	18.3		µg/kg wet		20.0		92	55.3-130		
Chloroform	20.7		µg/kg wet		20.0		104	70-130		
Chloromethane	22.7		µg/kg wet		20.0		114	70-130		
2-Chlorotoluene	22.6		µg/kg wet		20.0		113	70-130		
4-Chlorotoluene	20.8		µg/kg wet		20.0		104	70-130		
1,2-Dibromo-3-chloropropane	18.8		µg/kg wet		20.0		94	70-130		
Dibromochloromethane	19.9		µg/kg wet		20.0		100	64.7-139		
1,2-Dibromoethane (EDB)	20.2		µg/kg wet		20.0		101	70-130		
Dibromomethane	19.4		µg/kg wet		20.0		97	70-130		
1,2-Dichlorobenzene	21.6		µg/kg wet		20.0		108	70-130		
1,3-Dichlorobenzene	19.8		µg/kg wet		20.0		99	70-130		
1,4-Dichlorobenzene	21.9		µg/kg wet		20.0		110	70-130		
Dichlorodifluoromethane (Freon12)	15.8		µg/kg wet		20.0		79	34.4-167		
1,1-Dichloroethane	20.6		µg/kg wet		20.0		103	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040472 - SW846 5030 Soil (high level)										
LCS (7040472-BS1)										
Prepared & Analyzed: 07-Apr-07										
1,2-Dichloroethane	20.1		µg/kg wet		20.0		100	70-130		
1,1-Dichloroethene	18.7		µg/kg wet		20.0		94	70-130		
cis-1,2-Dichloroethene	22.2		µg/kg wet		20.0		111	70-130		
trans-1,2-Dichloroethene	20.3		µg/kg wet		20.0		102	70-130		
1,2-Dichloropropane	21.1		µg/kg wet		20.0		106	70-130		
1,3-Dichloropropane	21.0		µg/kg wet		20.0		105	70-130		
2,2-Dichloropropane	20.2		µg/kg wet		20.0		101	70-130		
1,1-Dichloropropene	20.9		µg/kg wet		20.0		104	70-130		
cis-1,3-Dichloropropene	20.8		µg/kg wet		20.0		104	70-130		
trans-1,3-Dichloropropene	20.4		µg/kg wet		20.0		102	70-130		
Ethylbenzene	20.4		µg/kg wet		20.0		102	70-130		
Hexachlorobutadiene	20.3		µg/kg wet		20.0		102	60.7-140		
2-Hexanone (MBK)	23.0		µg/kg wet		20.0		115	70-130		
Isopropylbenzene	20.7		µg/kg wet		20.0		104	70-130		
4-Isopropyltoluene	19.7		µg/kg wet		20.0		98	70-130		
Methyl tert-butyl ether	20.1		µg/kg wet		20.0		100	70-130		
4-Methyl-2-pentanone (MIBK)	18.6		µg/kg wet		20.0		93	46.1-145		
Methylene chloride	20.5		µg/kg wet		20.0		102	70-130		
Naphthalene	22.9		µg/kg wet		20.0		114	70-130		
n-Propylbenzene	16.0		µg/kg wet		20.0		80	70-130		
Styrene	21.8		µg/kg wet		20.0		109	70-130		
1,1,1,2-Tetrachloroethane	21.8		µg/kg wet		20.0		109	70-130		
1,1,2,2-Tetrachloroethane	17.7		µg/kg wet		20.0		88	70-130		
Tetrachloroethene	21.5		µg/kg wet		20.0		108	70-130		
Toluene	21.5		µg/kg wet		20.0		108	70-130		
1,2,3-Trichlorobenzene	23.4		µg/kg wet		20.0		117	70-130		
1,2,4-Trichlorobenzene	22.8		µg/kg wet		20.0		114	70-130		
1,1,1-Trichloroethane	21.4		µg/kg wet		20.0		107	70-130		
1,1,2-Trichloroethane	19.8		µg/kg wet		20.0		99	70-130		
Trichloroethene	21.2		µg/kg wet		20.0		106	70-130		
Trichlorofluoromethane (Freon 11)	17.3		µg/kg wet		20.0		86	56.8-140		
1,2,3-Trichloropropane	21.1		µg/kg wet		20.0		106	70-130		
1,2,4-Trimethylbenzene	18.0		µg/kg wet		20.0		90	70-130		
1,3,5-Trimethylbenzene	15.6		µg/kg wet		20.0		78	70-130		
Vinyl chloride	20.4		µg/kg wet		20.0		102	70-130		
m,p-Xylene	39.9		µg/kg wet		40.0		100	70-130		
o-Xylene	20.6		µg/kg wet		20.0		103	70-130		
Tetrahydrofuran	15.8		µg/kg wet		20.0		79	70-130		
Ethyl ether	18.8		µg/kg wet		20.0		94	65.3-130		
Tert-amyl methyl ether	20.0		µg/kg wet		20.0		100	70-130		
Ethyl tert-butyl ether	20.7		µg/kg wet		20.0		104	70-130		
Di-isopropyl ether	19.0		µg/kg wet		20.0		95	70-130		
Tert-Butanol / butyl alcohol	190		µg/kg wet		200		95	70-130		
1,4-Dioxane	164		µg/kg wet		200		82	34-155		
Surrogate: 4-Bromofluorobenzene	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*29.8*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.3*		µg/kg wet		*30.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*29.3*		µg/kg wet		*30.0*		*98*	*70-130*		
LCS Dup (7040472-BSD1)										
Prepared & Analyzed: 07-Apr-07										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040472 - SW846 5030 Soil (high level)										
LCS Dup (7040472-BSD1)										
Prepared & Analyzed: 07-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.8		µg/kg wet		20.0		99	70-130	1	25
Acetone	14.4		µg/kg wet		20.0		72	1.77-175	24	50
Acrylonitrile	16.4		µg/kg wet		20.0		82	70-130	4	25
Benzene	19.8		µg/kg wet		20.0		99	70-130	3	25
Bromobenzene	20.8		µg/kg wet		20.0		104	70-130	0	25
Bromochloromethane	19.8		µg/kg wet		20.0		99	70-130	4	25
Bromodichloromethane	20.7		µg/kg wet		20.0		104	70-130	4	25
Bromoform	18.5		µg/kg wet		20.0		92	70-130	2	25
Bromomethane	18.4		µg/kg wet		20.0		92	55.3-136	15	50
2-Butanone (MEK)	17.4		µg/kg wet		20.0		87	38.8-142	8	50
n-Butylbenzene	19.3		µg/kg wet		20.0		96	70-130	1	25
sec-Butylbenzene	19.4		µg/kg wet		20.0		97	70-130	1	25
tert-Butylbenzene	19.6		µg/kg wet		20.0		98	70-130	2	25
Carbon disulfide	17.6		µg/kg wet		20.0		88	70-130	20	25
Carbon tetrachloride	18.5		µg/kg wet		20.0		92	70-130	4	25
Chlorobenzene	21.4		µg/kg wet		20.0		107	70-130	0.9	25
Chloroethane	18.6		µg/kg wet		20.0		93	55.3-130	1	50
Chloroform	20.0		µg/kg wet		20.0		100	70-130	4	25
Chloromethane	22.2		µg/kg wet		20.0		111	70-130	3	25
2-Chlorotoluene	18.8		µg/kg wet		20.0		94	70-130	18	25
4-Chlorotoluene	20.9		µg/kg wet		20.0		104	70-130	0	25
1,2-Dibromo-3-chloropropane	18.6		µg/kg wet		20.0		93	70-130	1	25
Dibromochloromethane	18.9		µg/kg wet		20.0		94	64.7-139	6	50
1,2-Dibromoethane (EDB)	19.2		µg/kg wet		20.0		96	70-130	5	25
Dibromomethane	18.7		µg/kg wet		20.0		94	70-130	3	25
1,2-Dichlorobenzene	21.3		µg/kg wet		20.0		106	70-130	2	25
1,3-Dichlorobenzene	20.4		µg/kg wet		20.0		102	70-130	3	25
1,4-Dichlorobenzene	21.7		µg/kg wet		20.0		108	70-130	2	25
Dichlorodifluoromethane (Freon12)	15.4		µg/kg wet		20.0		77	34.4-167	3	50
1,1-Dichloroethane	19.5		µg/kg wet		20.0		98	70-130	5	25
1,2-Dichloroethane	19.2		µg/kg wet		20.0		96	70-130	4	25
1,1-Dichloroethene	18.5		µg/kg wet		20.0		92	70-130	2	25
cis-1,2-Dichloroethene	21.7		µg/kg wet		20.0		108	70-130	3	25
trans-1,2-Dichloroethene	20.2		µg/kg wet		20.0		101	70-130	1	25
1,2-Dichloropropane	19.7		µg/kg wet		20.0		98	70-130	8	25
1,3-Dichloropropane	20.0		µg/kg wet		20.0		100	70-130	5	25
2,2-Dichloropropane	19.4		µg/kg wet		20.0		97	70-130	4	25
1,1-Dichloropropene	20.3		µg/kg wet		20.0		102	70-130	2	25
cis-1,3-Dichloropropene	20.1		µg/kg wet		20.0		100	70-130	4	25
trans-1,3-Dichloropropene	19.6		µg/kg wet		20.0		98	70-130	4	25
Ethylbenzene	20.8		µg/kg wet		20.0		104	70-130	2	25
Hexachlorobutadiene	19.5		µg/kg wet		20.0		98	60.7-140	4	50
2-Hexanone (MBK)	19.2		µg/kg wet		20.0		96	70-130	18	25
Isopropylbenzene	20.8		µg/kg wet		20.0		104	70-130	0	25
4-Isopropyltoluene	19.5		µg/kg wet		20.0		98	70-130	0	25
Methyl tert-butyl ether	19.0		µg/kg wet		20.0		95	70-130	5	25
4-Methyl-2-pentanone (MIBK)	16.6		µg/kg wet		20.0		83	46.1-145	11	50
Methylene chloride	19.0		µg/kg wet		20.0		95	70-130	7	25
Naphthalene	21.4		µg/kg wet		20.0		107	70-130	6	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040472 - SW846 5030 Soil (high level)										
LCS Dup (7040472-BSD1)										
Prepared & Analyzed: 07-Apr-07										
n-Propylbenzene	18.1		µg/kg wet		20.0		90	70-130	12	25
Styrene	21.5		µg/kg wet		20.0		108	70-130	0.9	25
1,1,1,2-Tetrachloroethane	21.8		µg/kg wet		20.0		109	70-130	0	25
1,1,2,2-Tetrachloroethane	17.6		µg/kg wet		20.0		88	70-130	0	25
Tetrachloroethene	21.0		µg/kg wet		20.0		105	70-130	3	25
Toluene	20.7		µg/kg wet		20.0		104	70-130	4	25
1,2,3-Trichlorobenzene	22.5		µg/kg wet		20.0		112	70-130	4	25
1,2,4-Trichlorobenzene	21.9		µg/kg wet		20.0		110	70-130	4	25
1,1,1-Trichloroethane	20.4		µg/kg wet		20.0		102	70-130	5	25
1,1,2-Trichloroethane	18.8		µg/kg wet		20.0		94	70-130	5	25
Trichloroethene	21.1		µg/kg wet		20.0		106	70-130	0	25
Trichlorofluoromethane (Freon 11)	17.3		µg/kg wet		20.0		86	56.8-140	0	50
1,2,3-Trichloropropane	20.3		µg/kg wet		20.0		102	70-130	4	25
1,2,4-Trimethylbenzene	18.4		µg/kg wet		20.0		92	70-130	2	25
1,3,5-Trimethylbenzene	16.1		µg/kg wet		20.0		80	70-130	3	25
Vinyl chloride	21.1		µg/kg wet		20.0		106	70-130	4	25
m,p-Xylene	40.4		µg/kg wet		40.0		101	70-130	1	25
o-Xylene	20.2		µg/kg wet		20.0		101	70-130	2	25
Tetrahydrofuran	16.0		µg/kg wet		20.0		80	70-130	1	25
Ethyl ether	17.8		µg/kg wet		20.0		89	65.3-130	5	50
Tert-amyl methyl ether	19.6		µg/kg wet		20.0		98	70-130	2	25
Ethyl tert-butyl ether	20.0		µg/kg wet		20.0		100	70-130	4	25
Di-isopropyl ether	18.2		µg/kg wet		20.0		91	70-130	4	25
Tert-Butanol / butyl alcohol	186		µg/kg wet		200		93	70-130	2	25
1,4-Dioxane	175		µg/kg wet		200		88	34-155	7	25
Surrogate: 4-Bromofluorobenzene	*29.6*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*29.0*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.4*		µg/kg wet		*30.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*28.6*		µg/kg wet		*30.0*		*95*	*70-130*		
Matrix Spike (7040472-MS1) **Source: SA60157-10**										
Prepared & Analyzed: 07-Apr-07										
Benzene	18.6		µg/kg dry		20.0	BRL	93	70-130		
Chlorobenzene	27.0	QM7	µg/kg dry		20.0	BRL	135	70-130		
1,1-Dichloroethene	16.2		µg/kg dry		20.0	BRL	81	70-130		
Toluene	14.0		µg/kg dry		20.0	BRL	70	70-130		
Trichloroethene	20.3		µg/kg dry		20.0	BRL	102	70-130		
Surrogate: 4-Bromofluorobenzene	*36.2*		µg/kg dry		*30.0*		*121*	*70-130*		
Surrogate: Toluene-d8	*29.7*		µg/kg dry		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*26.7*		µg/kg dry		*30.0*		*89*	*70-130*		
Surrogate: Dibromofluoromethane	*27.6*		µg/kg dry		*30.0*		*92*	*70-130*		
Matrix Spike Dup (7040472-MSD1) **Source: SA60157-10**										
Prepared & Analyzed: 07-Apr-07										
Benzene	19.0		µg/kg dry		20.0	BRL	95	70-130	2	30
Chlorobenzene	22.0		µg/kg dry		20.0	BRL	110	70-130	20	30
1,1-Dichloroethene	16.4		µg/kg dry		20.0	BRL	82	70-130	1	30
Toluene	14.6		µg/kg dry		20.0	BRL	73	70-130	4	30
Trichloroethene	19.4		µg/kg dry		20.0	BRL	97	70-130	5	30
Surrogate: 4-Bromofluorobenzene	*29.9*		µg/kg dry		*30.0*		*100*	*70-130*		
Surrogate: Toluene-d8	*21.1*		µg/kg dry		*30.0*		*70*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*27.4*		µg/kg dry		*30.0*		*91*	*70-130*		
Surrogate: Dibromofluoromethane	*28.0*		µg/kg dry		*30.0*		*93*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040224 - SW846 3545A										
Blank (7040224-BLK1)										
Prepared: 04-Apr-07 Analyzed: 05-Apr-07										
PCB 1016	BRL	U	µg/kg wet	28.6						
PCB 1221	BRL	U	µg/kg wet	28.6						
PCB 1232	BRL	U	µg/kg wet	28.6						
PCB 1242	BRL	U	µg/kg wet	28.6						
PCB 1248	BRL	U	µg/kg wet	28.6						
PCB 1254	BRL	U	µg/kg wet	28.6						
PCB 1260	BRL	U	µg/kg wet	28.6						
PCB 1262	BRL	U	µg/kg wet	28.6						
PCB 1268	BRL	U	µg/kg wet	28.6						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.3*		µg/kg wet		*28.6*		*85*	*30-150*		
LCS (7040224-BS1)										
Prepared: 04-Apr-07 Analyzed: 05-Apr-07										
PCB 1016	386		µg/kg wet	28.6	357		108	40-140		
PCB 1260	393		µg/kg wet	28.6	357		110	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.3*		µg/kg wet		*28.6*		*85*	*30-150*		
LCS Dup (7040224-BSD1)										
Prepared: 04-Apr-07 Analyzed: 05-Apr-07										
PCB 1016	387		µg/kg wet	28.6	357		108	40-140	0	30
PCB 1260	410		µg/kg wet	28.6	357		115	40-140	4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.7*		µg/kg wet		*28.6*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.7*		µg/kg wet		*28.6*		*90*	*30-150*		
Duplicate (7040224-DUP1) **Source: SA60135-03**										
Prepared: 04-Apr-07 Analyzed: 05-Apr-07										
PCB 1016	BRL	U	µg/kg dry	34.8		BRL				40
PCB 1221	BRL	U	µg/kg dry	34.8		BRL				40
PCB 1232	BRL	U	µg/kg dry	34.8		BRL				40
PCB 1242	BRL	U	µg/kg dry	34.8		BRL				40
PCB 1248	BRL	U	µg/kg dry	34.8		BRL				40
PCB 1254	BRL	U	µg/kg dry	34.8		BRL				40
PCB 1260	BRL	U	µg/kg dry	34.8		BRL				40
PCB 1262	BRL	U	µg/kg dry	34.8		BRL				40
PCB 1268	BRL	U	µg/kg dry	34.8		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.8*		µg/kg dry		*34.7*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*34.7*		µg/kg dry		*34.7*		*100*	*30-150*		
Matrix Spike (7040224-MS1) **Source: SA60135-03**										
Prepared: 04-Apr-07 Analyzed: 05-Apr-07										
PCB 1016	474		µg/kg dry	35.6	444	BRL	107	40-140		
PCB 1260	512		µg/kg dry	35.6	444	BRL	115	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.3*		µg/kg dry		*35.5*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*33.8*		µg/kg dry		*35.5*		*95*	*30-150*		
Matrix Spike Dup (7040224-MSD1) **Source: SA60135-03**										
Prepared: 04-Apr-07 Analyzed: 05-Apr-07										
PCB 1016	475		µg/kg dry	35.0	437	BRL	109	40-140	2	50
PCB 1260	498		µg/kg dry	35.0	437	BRL	114	40-140	0.9	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.2*		µg/kg dry		*34.9*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*31.4*		µg/kg dry		*34.9*		*90*	*30-150*		
Batch 7040247 - SW846 3550B										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040247 - SW846 3550B										
Blank (7040247-BLK1)										
Prepared: 04-Apr-07 Analyzed: 07-Apr-07										
Aldrin	BRL	U	µg/kg wet	14.3						
a-BHC	BRL	U	µg/kg wet	14.3						
b-BHC	BRL	U	µg/kg wet	14.3						
d-BHC	BRL	U	µg/kg wet	14.3						
g-BHC (Lindane)	BRL	U	µg/kg wet	14.3						
Chlordane	BRL	U	µg/kg wet	71.5						
4,4'-DDD (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDE (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDT (p,p')	BRL	U	µg/kg wet	14.3						
Dieldrin	BRL	U	µg/kg wet	14.3						
Endosulfan I	BRL	U	µg/kg wet	14.3						
Endosulfan II	BRL	U	µg/kg wet	14.3						
Endosulfan Sulfate	BRL	U	µg/kg wet	14.3						
Endrin	BRL	U	µg/kg wet	14.3						
Endrin Aldehyde	BRL	U	µg/kg wet	14.3						
Heptachlor	BRL	U	µg/kg wet	14.3						
Methoxychlor	BRL	U	µg/kg wet	14.3						
Heptachlor Epoxide	BRL	U	µg/kg wet	14.3						
Toxaphene	BRL	U	µg/kg wet	71.5						
a-Chlordane	BRL	U	µg/kg wet	14.3						
g-Chlordane	BRL	U	µg/kg wet	14.3						
Endrin Ketone	BRL	U	µg/kg wet	14.3						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.5*		µg/kg wet		*28.6*		*51*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.2*		µg/kg wet		*28.6*		*67*	*30-150*		
LCS (7040247-BS1)										
Prepared: 04-Apr-07 Analyzed: 07-Apr-07										
Aldrin	21.9		µg/kg wet	14.3	28.6		77	40-140		
a-BHC	21.1		µg/kg wet	14.3	28.6		74	40-140		
b-BHC	18.6		µg/kg wet	14.3	28.6		65	40-140		
d-BHC	14.0	J	µg/kg wet	14.3	28.6		49	40-140		
g-BHC (Lindane)	20.8		µg/kg wet	14.3	28.6		73	40-140		
4,4'-DDD (p,p')	21.1		µg/kg wet	14.3	28.6		74	40-140		
4,4'-DDE (p,p')	22.6		µg/kg wet	14.3	28.6		79	40-140		
4,4'-DDT (p,p')	22.3		µg/kg wet	14.3	28.6		78	40-140		
Dieldrin	22.0		µg/kg wet	14.3	28.6		77	40-140		
Endosulfan I	23.3		µg/kg wet	14.3	28.6		81	40-140		
Endosulfan II	22.6		µg/kg wet	14.3	28.6		79	40-140		
Endosulfan Sulfate	23.0		µg/kg wet	14.3	28.6		80	40-140		
Endrin	24.2		µg/kg wet	14.3	28.6		85	40-140		
Endrin Aldehyde	22.5		µg/kg wet	14.3	28.6		79	40-140		
Heptachlor	22.5		µg/kg wet	14.3	28.6		79	40-140		
Methoxychlor	26.7		µg/kg wet	14.3	28.6		93	40-140		
Heptachlor Epoxide	22.9		µg/kg wet	14.3	28.6		80	40-140		
a-Chlordane	21.0		µg/kg wet	14.3	28.6		73	40-140		
g-Chlordane	22.0		µg/kg wet	14.3	28.6		77	40-140		
Endrin Ketone	25.0		µg/kg wet	14.3	28.6		87	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.5*		µg/kg wet		*28.6*		*51*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*21.6*		µg/kg wet		*28.6*		*76*	*40-140*		
LCS Dup (7040247-BSD1)										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040247 - SW846 3550B										
Prepared: 04-Apr-07 Analyzed: 07-Apr-07										
Aldrin	22.9		µg/kg wet	14.3	28.6		80	40-140	4	30
a-BHC	21.8		µg/kg wet	14.3	28.6		76	40-140	3	30
b-BHC	19.7		µg/kg wet	14.3	28.6		69	40-140	6	30
d-BHC	15.2		µg/kg wet	14.3	28.6		53	40-140	8	30
g-BHC (Lindane)	22.3		µg/kg wet	14.3	28.6		78	40-140	7	30
4,4'-DDD (p,p')	22.5		µg/kg wet	14.3	28.6		79	40-140	7	30
4,4'-DDE (p,p')	23.1		µg/kg wet	14.3	28.6		81	40-140	2	30
4,4'-DDT (p,p')	23.8		µg/kg wet	14.3	28.6		83	40-140	6	30
Dieldrin	22.4		µg/kg wet	14.3	28.6		78	40-140	1	30
Endosulfan I	25.0		µg/kg wet	14.3	28.6		87	40-140	7	30
Endosulfan II	24.0		µg/kg wet	14.3	28.6		84	40-140	6	30
Endosulfan Sulfate	23.3		µg/kg wet	14.3	28.6		81	40-140	1	30
Endrin	24.9		µg/kg wet	14.3	28.6		87	40-140	2	30
Endrin Aldehyde	23.2		µg/kg wet	14.3	28.6		81	40-140	2	30
Heptachlor	23.7		µg/kg wet	14.3	28.6		83	40-140	5	30
Methoxychlor	25.2		µg/kg wet	14.3	28.6		88	40-140	6	30
Heptachlor Epoxide	24.1		µg/kg wet	14.3	28.6		84	40-140	5	30
a-Chlordane	21.6		µg/kg wet	14.3	28.6		76	40-140	4	30
g-Chlordane	23.0		µg/kg wet	14.3	28.6		80	40-140	4	30
Endrin Ketone	24.7		µg/kg wet	14.3	28.6		86	40-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.9*		µg/kg wet		*28.6*		*52*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*28.6*		*73*	*40-140*		
Duplicate (7040247-DUP1) **Source: SA60157-04**										
Prepared: 04-Apr-07 Analyzed: 07-Apr-07										
Aldrin	BRL	U	µg/kg dry	15.2		BRL				30
a-BHC	BRL	U	µg/kg dry	15.2		BRL				30
b-BHC	BRL	U	µg/kg dry	15.2		BRL				30
d-BHC	BRL	U	µg/kg dry	15.2		BRL				30
g-BHC (Lindane)	BRL	U	µg/kg dry	15.2		BRL				30
Chlordane	BRL	U	µg/kg dry	75.9		BRL				30
4,4'-DDD (p,p')	BRL	U	µg/kg dry	15.2		BRL				30
4,4'-DDE (p,p')	BRL	U	µg/kg dry	15.2		BRL				30
4,4'-DDT (p,p')	BRL	U	µg/kg dry	15.2		BRL				30
Dieldrin	BRL	U	µg/kg dry	15.2		BRL				30
Endosulfan I	BRL	U	µg/kg dry	15.2		BRL				30
Endosulfan II	BRL	U	µg/kg dry	15.2		BRL				30
Endosulfan Sulfate	BRL	U	µg/kg dry	15.2		BRL				30
Endrin	BRL	U	µg/kg dry	15.2		BRL				30
Endrin Aldehyde	BRL	U	µg/kg dry	15.2		BRL				30
Heptachlor	BRL	U	µg/kg dry	15.2		BRL				30
Methoxychlor	BRL	U	µg/kg dry	15.2		BRL				30
Heptachlor Epoxide	BRL	U	µg/kg dry	15.2		BRL				30
Toxaphene	BRL	U	µg/kg dry	75.9		BRL				30
a-Chlordane	BRL	U	µg/kg dry	15.2		BRL				30
g-Chlordane	BRL	U	µg/kg dry	15.2		BRL				30
Endrin Ketone	BRL	U	µg/kg dry	15.2		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.8*		µg/kg dry		*30.3*		*46*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.3*		µg/kg dry		*30.3*		*67*	*30-150*		
Matrix Spike (7040247-MS1) **Source: SA60157-04**										
Prepared: 04-Apr-07 Analyzed: 07-Apr-07										
Aldrin	24.6		µg/kg dry	14.9	29.9	BRL	82	30-150		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040247 - SW846 3550B										
Matrix Spike (7040247-MS1) **Source: SA60157-04**										
Prepared: 04-Apr-07 Analyzed: 07-Apr-07										
a-BHC	22.4		µg/kg dry	14.9	29.9	BRL	75	30-150		
b-BHC	21.3		µg/kg dry	14.9	29.9	BRL	71	30-150		
d-BHC	16.5		µg/kg dry	14.9	29.9	BRL	55	30-150		
g-BHC (Lindane)	24.0		µg/kg dry	14.9	29.9	BRL	80	30-150		
4,4'-DDD (p,p')	21.3		µg/kg dry	14.9	29.9	BRL	71	30-150		
4,4'-DDE (p,p')	24.8		µg/kg dry	14.9	29.9	BRL	83	30-150		
4,4'-DDT (p,p')	26.3		µg/kg dry	14.9	29.9	BRL	88	30-150		
Dieldrin	23.5		µg/kg dry	14.9	29.9	BRL	79	30-150		
Endosulfan I	25.4		µg/kg dry	14.9	29.9	BRL	85	30-150		
Endosulfan II	21.4		µg/kg dry	14.9	29.9	BRL	72	30-150		
Endosulfan Sulfate	21.9		µg/kg dry	14.9	29.9	BRL	73	30-150		
Endrin	24.4		µg/kg dry	14.9	29.9	BRL	82	30-150		
Endrin Aldehyde	14.6	J	µg/kg dry	14.9	29.9	BRL	49	30-150		
Heptachlor	26.1		µg/kg dry	14.9	29.9	BRL	87	30-150		
Methoxychlor	27.2		µg/kg dry	14.9	29.9	BRL	91	30-150		
Heptachlor Epoxide	24.5		µg/kg dry	14.9	29.9	BRL	82	30-150		
a-Chlordane	24.7		µg/kg dry	14.9	29.9	BRL	83	30-150		
g-Chlordane	23.8		µg/kg dry	14.9	29.9	BRL	80	30-150		
Endrin Ketone	24.3		µg/kg dry	14.9	29.9	BRL	81	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg dry		*29.9*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.0*		µg/kg dry		*29.9*		*94*	*30-150*		
Matrix Spike Dup (7040247-MSD1) **Source: SA60157-04**										
Prepared: 04-Apr-07 Analyzed: 07-Apr-07										
Aldrin	25.0		µg/kg dry	15.3	30.6	BRL	82	30-150	0	30
a-BHC	24.2		µg/kg dry	15.3	30.6	BRL	79	30-150	5	30
b-BHC	21.4		µg/kg dry	15.3	30.6	BRL	70	30-150	1	30
d-BHC	19.1		µg/kg dry	15.3	30.6	BRL	62	30-150	12	30
g-BHC (Lindane)	24.4		µg/kg dry	15.3	30.6	BRL	80	30-150	0	30
4,4'-DDD (p,p')	24.1		µg/kg dry	15.3	30.6	BRL	79	30-150	11	30
4,4'-DDE (p,p')	26.5		µg/kg dry	15.3	30.6	BRL	87	30-150	5	30
4,4'-DDT (p,p')	30.9		µg/kg dry	15.3	30.6	BRL	101	30-150	14	30
Dieldrin	24.2		µg/kg dry	15.3	30.6	BRL	79	30-150	0	30
Endosulfan I	26.1		µg/kg dry	15.3	30.6	BRL	85	30-150	0	30
Endosulfan II	25.5		µg/kg dry	15.3	30.6	BRL	83	30-150	14	30
Endosulfan Sulfate	25.2		µg/kg dry	15.3	30.6	BRL	82	30-150	12	30
Endrin	28.8		µg/kg dry	15.3	30.6	BRL	94	30-150	14	30
Endrin Aldehyde	16.9		µg/kg dry	15.3	30.6	BRL	55	30-150	12	30
Heptachlor	27.0		µg/kg dry	15.3	30.6	BRL	88	30-150	1	30
Methoxychlor	32.0		µg/kg dry	15.3	30.6	BRL	105	30-150	14	30
Heptachlor Epoxide	25.6		µg/kg dry	15.3	30.6	BRL	84	30-150	2	30
a-Chlordane	24.2		µg/kg dry	15.3	30.6	BRL	79	30-150	5	50
g-Chlordane	24.9		µg/kg dry	15.3	30.6	BRL	81	30-150	1	50
Endrin Ketone	26.4		µg/kg dry	15.3	30.6	BRL	86	30-150	6	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.4*		µg/kg dry		*30.6*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.2*		µg/kg dry		*30.6*		*82*	*30-150*		
Batch 7040288 - SW846 3550B										
Blank (7040288-BLK1)										
Prepared & Analyzed: 05-Apr-07										
2,4-D	BRL	U	µg/kg wet	6.70						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040288 - SW846 3550B										
Blank (7040288-BLK1)										
Prepared & Analyzed: 05-Apr-07										
2,4,5-T	BRL	U	µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL	U	µg/kg wet	6.70						
2,4-DB	BRL	U	µg/kg wet	6.70						
Dalapon	BRL	U	µg/kg wet	6.70						
Dicamba	BRL	U	µg/kg wet	6.70						
Dinoseb	BRL	U	µg/kg wet	6.70						
Dichlorprop	BRL	U	µg/kg wet	6.70						
MCPB	BRL	U	µg/kg wet	670						
MCPA	BRL	U	µg/kg wet	670						
MCPP	BRL	U	µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*6.60*		µg/kg wet		*13.3*		*50*	*30-150*		
LCS (7040288-BS1)										
Prepared & Analyzed: 05-Apr-07										
2,4-D	30.8		µg/kg wet	6.70	33.3		92	40-140		
2,4,5-T	29.5		µg/kg wet	6.70	33.3		89	40-140		
2,4,5-TP (Silvex)	32.1		µg/kg wet	6.70	33.3		96	40-140		
2,4-DB	31.0		µg/kg wet	6.70	33.3		93	40-140		
Dalapon	35.8		µg/kg wet	6.70	33.3		108	40-140		
Dicamba	31.8		µg/kg wet	6.70	33.3		95	40-140		
Dinoseb	34.6		µg/kg wet	6.70	33.3		104	40-140		
Dichlorprop	35.7		µg/kg wet	6.70	33.3		107	40-140		
MCPB	10100		µg/kg wet	670	10000		101	40-140		
MCPA	8910		µg/kg wet	670	10000		89	40-140		
MCPP	8840		µg/kg wet	670	10000		88	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.1*		µg/kg wet		*13.3*		*136*	*30-150*		
LCS Dup (7040288-BSD1)										
Prepared & Analyzed: 05-Apr-07										
2,4-D	28.2		µg/kg wet	6.70	33.3		85	40-140	8	25
2,4,5-T	26.9		µg/kg wet	6.70	33.3		81	40-140	9	25
2,4,5-TP (Silvex)	29.4		µg/kg wet	6.70	33.3		88	40-140	9	25
2,4-DB	28.1		µg/kg wet	6.70	33.3		84	40-140	10	25
Dalapon	34.9		µg/kg wet	6.70	33.3		105	40-140	3	25
Dicamba	30.0		µg/kg wet	6.70	33.3		90	40-140	5	25
Dinoseb	32.8		µg/kg wet	6.70	33.3		98	40-140	6	25
Dichlorprop	34.5		µg/kg wet	6.70	33.3		104	40-140	3	25
MCPB	10300		µg/kg wet	670	10000		103	40-140	2	25
MCPA	9140		µg/kg wet	670	10000		91	40-140	2	25
MCPP	9020		µg/kg wet	670	10000		90	40-140	2	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.7*		µg/kg wet		*13.3*		*133*	*30-150*		
Duplicate (7040288-DUP1) **Source: SA60157-06**										
Prepared & Analyzed: 05-Apr-07										
2,4-D	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-T	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70		BRL				30
2,4-DB	BRL	U	µg/kg dry	6.70		BRL				30
Dalapon	BRL	U	µg/kg dry	6.70		BRL				30
Dicamba	BRL	U	µg/kg dry	6.70		BRL				30
Dinoseb	BRL	U	µg/kg dry	6.70		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040288 - SW846 3550B										
Duplicate (7040288-DUP1) **Source: SA60157-06**										
Prepared & Analyzed: 05-Apr-07										
Dichlorprop	BRL	U	µg/kg dry	6.70		BRL				30
MCPB	BRL	U	µg/kg dry	670		BRL				30
MCPA	BRL	U	µg/kg dry	670		BRL				30
MCPP	BRL	U	µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*7.06*		µg/kg dry		*15.4*		*46*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040287 - SW846 3550B										
Blank (7040287-BLK1)										
Prepared: 05-Apr-07 Analyzed: 08-Apr-07										
Acenaphthene	BRL	U	µg/kg wet	330						
Acenaphthylene	BRL	U	µg/kg wet	330						
Aniline	BRL	U	µg/kg wet	330						
Anthracene	BRL	U	µg/kg wet	330						
Atrazine	BRL	U	µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL	U	µg/kg wet	330						
Benzidine	BRL	U	µg/kg wet	330						
Benzo (a) anthracene	BRL	U	µg/kg wet	330						
Benzo (a) pyrene	BRL	U	µg/kg wet	330						
Benzo (b) fluoranthene	BRL	U	µg/kg wet	330						
Benzo (g,h,i) perylene	BRL	U	µg/kg wet	330						
Benzo (k) fluoranthene	BRL	U	µg/kg wet	330						
Benzoic acid	BRL	U	µg/kg wet	330						
Benzyl alcohol	BRL	U	µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL	U	µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL	U	µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL	U	µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL	U	µg/kg wet	330						
Butyl benzyl phthalate	BRL	U	µg/kg wet	330						
Carbazole	BRL	U	µg/kg wet	330						
4-Chloro-3-methylphenol	BRL	U	µg/kg wet	330						
4-Chloroaniline	BRL	U	µg/kg wet	330						
2-Chloronaphthalene	BRL	U	µg/kg wet	330						
2-Chlorophenol	BRL	U	µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL	U	µg/kg wet	330						
Chrysene	BRL	U	µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL	U	µg/kg wet	330						
Dibenzofuran	BRL	U	µg/kg wet	330						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	330						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	330						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	330						
3,3´-Dichlorobenzidine	BRL	U	µg/kg wet	330						
2,4-Dichlorophenol	BRL	U	µg/kg wet	330						
Diethyl phthalate	BRL	U	µg/kg wet	330						
Dimethyl phthalate	BRL	U	µg/kg wet	330						
2,4-Dimethylphenol	BRL	U	µg/kg wet	330						
Di-n-butyl phthalate	BRL	U	µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL	U	µg/kg wet	330						
2,4-Dinitrophenol	BRL	U	µg/kg wet	330						
2,4-Dinitrotoluene	BRL	U	µg/kg wet	330						
2,6-Dinitrotoluene	BRL	U	µg/kg wet	330						
Di-n-octyl phthalate	BRL	U	µg/kg wet	330						
Fluoranthene	BRL	U	µg/kg wet	330						
Fluorene	BRL	U	µg/kg wet	330						
Hexachlorobenzene	BRL	U	µg/kg wet	330						
Hexachlorobutadiene	BRL	U	µg/kg wet	330						
Hexachlorocyclopentadiene	BRL	U	µg/kg wet	330						
Hexachloroethane	BRL	U	µg/kg wet	330						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040287 - SW846 3550B										
Blank (7040287-BLK1)										
Prepared: 05-Apr-07 Analyzed: 08-Apr-07										
Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg wet	330						
1-Methylnaphthalene	BRL	U	µg/kg wet	330						
Isophorone	BRL	U	µg/kg wet	330						
2-Methylnaphthalene	BRL	U	µg/kg wet	330						
2-Methylphenol	BRL	U	µg/kg wet	330						
3,4-Methylphenol	BRL	U	µg/kg wet	330						
Naphthalene	BRL	U	µg/kg wet	330						
2-Nitroaniline	BRL	U	µg/kg wet	330						
3-Nitroaniline	BRL	U	µg/kg wet	330						
4-Nitroaniline	BRL	U	µg/kg wet	1320						
Nitrobenzene	BRL	U	µg/kg wet	330						
2-Nitrophenol	BRL	U	µg/kg wet	330						
4-Nitrophenol	BRL	U	µg/kg wet	1320						
N-Nitrosodimethylamine	BRL	U	µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL	U	µg/kg wet	330						
N-Nitrosodiphenylamine	BRL	U	µg/kg wet	330						
Pentachlorophenol	BRL	U	µg/kg wet	1320						
Phenanthrene	BRL	U	µg/kg wet	330						
Phenol	BRL	U	µg/kg wet	330						
Pyrene	BRL	U	µg/kg wet	330						
Pyridine	BRL	U	µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	330						
2,4,5-Trichlorophenol	BRL	U	µg/kg wet	330						
2,4,6-Trichlorophenol	BRL	U	µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*5990*		µg/kg wet		*6670*		*90*	*30-130*		
Surrogate: 2-Fluorophenol	*6640*		µg/kg wet		*6670*		*100*	*15-110*		
Surrogate: Nitrobenzene-d5	*6770*		µg/kg wet		*6670*		*101*	*30-130*		
Surrogate: Phenol-d5	*6220*		µg/kg wet		*6670*		*93*	*15-110*		
Surrogate: Terphenyl-dl4	*6790*		µg/kg wet		*6670*		*102*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*6580*		µg/kg wet		*6670*		*99*	*15-110*		
LCS (7040287-BS1)										
Prepared: 05-Apr-07 Analyzed: 08-Apr-07										
Acenaphthene	4060		µg/kg wet	330	6670		61	40-130		
Acenaphthylene	4210		µg/kg wet	330	6670		63	40-130		
Aniline	4520		µg/kg wet	330	6670		68	40-130		
Anthracene	4250		µg/kg wet	330	6670		64	40-130		
Atrazine	5770		µg/kg wet	330	6670		87	40-130		
Azobenzene/Diphenyldiazine	4730		µg/kg wet	330	6670		71	40-130		
Benzidine	306	J	µg/kg wet	330	6670		5	0-130		
Benzo (a) anthracene	4250		µg/kg wet	330	6670		64	40-130		
Benzo (a) pyrene	4370		µg/kg wet	330	6670		66	40-130		
Benzo (b) fluoranthene	4270		µg/kg wet	330	6670		64	40-130		
Benzo (g,h,i) perylene	4520		µg/kg wet	330	6670		68	40-130		
Benzo (k) fluoranthene	4380		µg/kg wet	330	6670		66	40-130		
Benzoic acid	5420		µg/kg wet	330	6670		81	6.16-130		
Benzyl alcohol	4200		µg/kg wet	330	6670		63	40-130		
Bis(2-chloroethoxy)methane	3990		µg/kg wet	330	6670		60	40-130		
Bis(2-chloroethyl)ether	3810		µg/kg wet	330	6670		57	40-130		
Bis(2-chloroisopropyl)ether	3560		µg/kg wet	330	6670		53	40-130		
Bis(2-ethylhexyl)phthalate	4440		µg/kg wet	330	6670		67	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040287 - SW846 3550B										
LCS (7040287-BS1)										
Prepared: 05-Apr-07 Analyzed: 08-Apr-07										
4-Bromophenyl phenyl ether	4360		µg/kg wet	330	6670		65	40-130		
Butyl benzyl phthalate	4470		µg/kg wet	330	6670		67	40-130		
Carbazole	7290		µg/kg wet	330	6670		109	40-130		
4-Chloro-3-methylphenol	3900		µg/kg wet	330	6670		58	40-130		
4-Chloroaniline	2690		µg/kg wet	330	6670		40	40-130		
2-Chloronaphthalene	4040		µg/kg wet	330	6670		61	40-130		
2-Chlorophenol	3460		µg/kg wet	330	6670		52	40-130		
4-Chlorophenyl phenyl ether	4000		µg/kg wet	330	6670		60	40-130		
Chrysene	4250		µg/kg wet	330	6670		64	40-130		
Dibenzo (a,h) anthracene	4530		µg/kg wet	330	6670		68	40-130		
Dibenzofuran	4140		µg/kg wet	330	6670		62	40-130		
1,2-Dichlorobenzene	3760		µg/kg wet	330	6670		56	40-130		
1,3-Dichlorobenzene	3780		µg/kg wet	330	6670		57	40-130		
1,4-Dichlorobenzene	3830		µg/kg wet	330	6670		57	40-130		
3,3´-Dichlorobenzidine	4200		µg/kg wet	330	6670		63	40-130		
2,4-Dichlorophenol	3690		µg/kg wet	330	6670		55	40-130		
Diethyl phthalate	4250		µg/kg wet	330	6670		64	40-130		
Dimethyl phthalate	4100		µg/kg wet	330	6670		61	40-130		
2,4-Dimethylphenol	3680		µg/kg wet	330	6670		55	40-130		
Di-n-butyl phthalate	4200		µg/kg wet	330	6670		63	40-130		
4,6-Dinitro-2-methylphenol	4550		µg/kg wet	330	6670		68	40-130		
2,4-Dinitrophenol	3970		µg/kg wet	330	6670		60	40-130		
2,4-Dinitrotoluene	4890		µg/kg wet	330	6670		73	40-130		
2,6-Dinitrotoluene	5020		µg/kg wet	330	6670		75	40-130		
Di-n-octyl phthalate	4640		µg/kg wet	330	6670		70	40-130		
Fluoranthene	4340		µg/kg wet	330	6670		65	40-130		
Fluorene	4060		µg/kg wet	330	6670		61	40-130		
Hexachlorobenzene	4300		µg/kg wet	330	6670		64	40-130		
Hexachlorobutadiene	3990		µg/kg wet	330	6670		60	40-130		
Hexachlorocyclopentadiene	4280		µg/kg wet	330	6670		64	40-130		
Hexachloroethane	3760		µg/kg wet	330	6670		56	40-130		
Indeno (1,2,3-cd) pyrene	4520		µg/kg wet	330	6670		68	40-130		
Isophorone	4170		µg/kg wet	330	6670		63	40-130		
1-Methylnaphthalene	3950		µg/kg wet	330	6670		59	40-140		
2-Methylnaphthalene	3970		µg/kg wet	330	6670		60	40-130		
2-Methylphenol	3540		µg/kg wet	330	6670		53	40-130		
3,4-Methylphenol	4320		µg/kg wet	330	6670		65	40-130		
Naphthalene	3900		µg/kg wet	330	6670		58	40-130		
2-Nitroaniline	4630		µg/kg wet	330	6670		69	40-130		
3-Nitroaniline	3440		µg/kg wet	330	6670		52	40-130		
4-Nitroaniline	5260		µg/kg wet	1320	6670		79	40-130		
Nitrobenzene	4070		µg/kg wet	330	6670		61	40-130		
2-Nitrophenol	4110		µg/kg wet	330	6670		62	40-130		
4-Nitrophenol	4530		µg/kg wet	1320	6670		68	40-130		
N-Nitrosodimethylamine	4030		µg/kg wet	330	6670		60	40-130		
N-Nitrosodi-n-propylamine	4970		µg/kg wet	330	6670		75	40-130		
N-Nitrosodiphenylamine	4710		µg/kg wet	330	6670		71	40-130		
Pentachlorophenol	4830		µg/kg wet	1320	6670		72	40-130		
Phenanthrene	4290		µg/kg wet	330	6670		64	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040287 - SW846 3550B										
LCS (7040287-BS1)										
Prepared: 05-Apr-07 Analyzed: 08-Apr-07										
Phenol	3600		µg/kg wet	330	6670		54	40-130		
Pyrene	4450		µg/kg wet	330	6670		67	40-130		
Pyridine	2790		µg/kg wet	330	6670		42	40-130		
1,2,4-Trichlorobenzene	3930		µg/kg wet	330	6670		59	40-130		
2,4,5-Trichlorophenol	4010		µg/kg wet	330	6670		60	40-130		
2,4,6-Trichlorophenol	3640		µg/kg wet	330	6670		55	40-130		
Surrogate: 2-Fluorobiphenyl	*6150*		µg/kg wet		*6670*		*92*	*30-130*		
Surrogate: 2-Fluorophenol	*6030*		µg/kg wet		*6670*		*90*	*15-110*		
Surrogate: Nitrobenzene-d5	*6740*		µg/kg wet		*6670*		*101*	*30-130*		
Surrogate: Phenol-d5	*5520*		µg/kg wet		*6670*		*83*	*15-110*		
Surrogate: Terphenyl-dl4	*6650*		µg/kg wet		*6670*		*100*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*7370*		µg/kg wet		*6670*		*110*	*15-110*		
Duplicate (7040287-DUP1) **Source: SA60157-10**										
Prepared: 05-Apr-07 Analyzed: 09-Apr-07										
Acenaphthene	BRL	U	µg/kg dry	227		BRL				50
Acenaphthylene	BRL	U	µg/kg dry	227		BRL				50
Aniline	BRL	U	µg/kg dry	227		BRL				50
Anthracene	BRL	U	µg/kg dry	227		BRL				50
Atrazine	BRL	U	µg/kg dry	227		0.00				50
Azobenzene/Diphenyldiazine	BRL	U	µg/kg dry	227		BRL				50
Benzidine	BRL	U	µg/kg dry	227		BRL				50
Benzo (a) anthracene	BRL	U	µg/kg dry	227		BRL				50
Benzo (a) pyrene	BRL	U	µg/kg dry	227		BRL				50
Benzo (b) fluoranthene	BRL	U	µg/kg dry	227		BRL				50
Benzo (g,h,i) perylene	BRL	U	µg/kg dry	227		BRL				50
Benzo (k) fluoranthene	BRL	U	µg/kg dry	227		BRL				50
Benzoic acid	BRL	U	µg/kg dry	227		BRL				50
Benzyl alcohol	BRL	U	µg/kg dry	227		BRL				50
Bis(2-chloroethoxy)methane	BRL	U	µg/kg dry	227		BRL				50
Bis(2-chloroethyl)ether	BRL	U	µg/kg dry	227		BRL				50
Bis(2-chloroisopropyl)ether	BRL	U	µg/kg dry	227		BRL				50
Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	227		BRL				50
4-Bromophenyl phenyl ether	BRL	U	µg/kg dry	227		BRL				50
Butyl benzyl phthalate	BRL	U	µg/kg dry	227		BRL				50
Carbazole	BRL	U	µg/kg dry	227		BRL				50
4-Chloro-3-methylphenol	BRL	U	µg/kg dry	227		BRL				50
4-Chloroaniline	BRL	U	µg/kg dry	227		BRL				50
2-Chloronaphthalene	BRL	U	µg/kg dry	227		BRL				50
2-Chlorophenol	BRL	U	µg/kg dry	227		BRL				50
4-Chlorophenyl phenyl ether	BRL	U	µg/kg dry	227		BRL				50
Chrysene	BRL	U	µg/kg dry	227		BRL				50
Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	227		BRL				50
Dibenzofuran	BRL	U	µg/kg dry	227		BRL				50
1,2-Dichlorobenzene	BRL	U	µg/kg dry	227		BRL				50
1,3-Dichlorobenzene	BRL	U	µg/kg dry	227		BRL				50
1,4-Dichlorobenzene	BRL	U	µg/kg dry	227		BRL				50
3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	227		BRL				50
2,4-Dichlorophenol	BRL	U	µg/kg dry	227		BRL				50
Diethyl phthalate	BRL	U	µg/kg dry	227		BRL				50
Dimethyl phthalate	BRL	U	µg/kg dry	227		BRL				50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040287 - SW846 3550B										
Duplicate (7040287-DUP1) **Source: SA60157-10**										
Prepared: 05-Apr-07 Analyzed: 09-Apr-07										
2,4-Dimethylphenol	BRL	U	µg/kg dry	227		BRL				50
Di-n-butyl phthalate	BRL	U	µg/kg dry	227		BRL				50
4,6-Dinitro-2-methylphenol	BRL	U	µg/kg dry	227		BRL				50
2,4-Dinitrophenol	BRL	U	µg/kg dry	227		BRL				50
2,4-Dinitrotoluene	BRL	U	µg/kg dry	227		BRL				50
2,6-Dinitrotoluene	BRL	U	µg/kg dry	227		BRL				50
Di-n-octyl phthalate	BRL	U	µg/kg dry	227		BRL				50
Fluoranthene	BRL	U	µg/kg dry	227		BRL				50
Fluorene	BRL	U	µg/kg dry	227		BRL				50
Hexachlorobenzene	BRL	U	µg/kg dry	227		BRL				50
Hexachlorobutadiene	BRL	U	µg/kg dry	227		BRL				50
Hexachlorocyclopentadiene	BRL	U	µg/kg dry	227		BRL				50
Hexachloroethane	BRL	U	µg/kg dry	227		BRL				50
Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	227		BRL				50
1-Methylnaphthalene	BRL	U	µg/kg dry	227		BRL				50
Isophorone	BRL	U	µg/kg dry	227		BRL				50
2-Methylnaphthalene	BRL	U	µg/kg dry	227		BRL				50
2-Methylphenol	BRL	U	µg/kg dry	227		BRL				50
3,4-Methylphenol	BRL	U	µg/kg dry	227		BRL				50
Naphthalene	BRL	U	µg/kg dry	227		BRL				50
2-Nitroaniline	BRL	U	µg/kg dry	227		BRL				50
3-Nitroaniline	BRL	U	µg/kg dry	227		BRL				50
4-Nitroaniline	BRL	U	µg/kg dry	910		BRL				50
Nitrobenzene	BRL	U	µg/kg dry	227		BRL				50
2-Nitrophenol	BRL	U	µg/kg dry	227		BRL				50
4-Nitrophenol	BRL	U	µg/kg dry	910		BRL				50
N-Nitrosodimethylamine	BRL	U	µg/kg dry	227		BRL				50
N-Nitrosodi-n-propylamine	BRL	U	µg/kg dry	227		BRL				50
N-Nitrosodiphenylamine	BRL	U	µg/kg dry	227		BRL				50
Pentachlorophenol	BRL	U	µg/kg dry	910		BRL				50
Phenanthrene	BRL	U	µg/kg dry	227		BRL				50
Phenol	BRL	U	µg/kg dry	227		BRL				50
Pyrene	BRL	U	µg/kg dry	227		BRL				50
Pyridine	34.9	J	µg/kg dry	227		BRL				50
1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	227		BRL				50
2,4,5-Trichlorophenol	BRL	U	µg/kg dry	227		BRL				50
2,4,6-Trichlorophenol	BRL	U	µg/kg dry	227		BRL				50
Surrogate: 2-Fluorobiphenyl	*1320*		µg/kg dry		*2300*		*57*	*30-130*		
Surrogate: 2-Fluorophenol	*1320*		µg/kg dry		*2300*		*57*	*15-110*		
Surrogate: Nitrobenzene-d5	*1270*		µg/kg dry		*2300*		*55*	*30-130*		
Surrogate: Phenol-d5	*1230*		µg/kg dry		*2300*		*53*	*15-110*		
Surrogate: Terphenyl-dl4	*1540*		µg/kg dry		*2300*		*67*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*1330*		µg/kg dry		*2300*		*58*	*15-110*		
Matrix Spike (7040287-MS1) **Source: SA60157-10**										
Prepared: 05-Apr-07 Analyzed: 09-Apr-07										
Acenaphthene	2400		µg/kg dry	226	4570	BRL	53	40-140		
4-Chloro-3-methylphenol	4590		µg/kg dry	226	9140	BRL	50	30-130		
2-Chlorophenol	4240		µg/kg dry	226	9140	BRL	46	30-130		
1,4-Dichlorobenzene	2390		µg/kg dry	226	4570	BRL	52	40-140		
2,4-Dinitrotoluene	2530		µg/kg dry	226	4570	BRL	55	40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040287 - SW846 3550B										
Matrix Spike (7040287-MS1) **Source: SA60157-10**										
Prepared: 05-Apr-07 Analyzed: 09-Apr-07										
4-Nitrophenol	4150		µg/kg dry	905	9140	BRL	45	30-130		
N-Nitrosodi-n-propylamine	3070		µg/kg dry	226	4570	BRL	67	40-140		
Pentachlorophenol	4800		µg/kg dry	905	9140	BRL	53	30-130		
Phenol	4120		µg/kg dry	226	9140	BRL	45	30-130		
Pyrene	2970		µg/kg dry	226	4570	BRL	65	40-140		
1,2,4-Trichlorobenzene	2420		µg/kg dry	226	4570	BRL	53	40-140		
Surrogate: 2-Fluorobiphenyl	*2570*		µg/kg dry		*4570*		*56*	*30-130*		
Surrogate: 2-Fluorophenol	*2380*		µg/kg dry		*4570*		*52*	*15-110*		
Surrogate: Nitrobenzene-d5	*2600*		µg/kg dry		*4570*		*57*	*30-130*		
Surrogate: Phenol-d5	*2210*		µg/kg dry		*4570*		*48*	*15-110*		
Surrogate: Terphenyl-dl4	*3070*		µg/kg dry		*4570*		*67*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2780*		µg/kg dry		*4570*		*61*	*15-110*		
Matrix Spike Dup (7040287-MSD1) **Source: SA60157-10**										
Prepared: 05-Apr-07 Analyzed: 09-Apr-07										
Acenaphthene	2340		µg/kg dry	225	4550	BRL	51	40-140	4	30
4-Chloro-3-methylphenol	4450		µg/kg dry	225	9100	BRL	49	30-130	2	30
2-Chlorophenol	4130		µg/kg dry	225	9100	BRL	45	30-130	2	30
1,4-Dichlorobenzene	2310		µg/kg dry	225	4550	BRL	51	40-140	2	30
2,4-Dinitrotoluene	2530		µg/kg dry	225	4550	BRL	56	40-140	2	30
4-Nitrophenol	4220		µg/kg dry	901	9100	BRL	46	30-130	2	30
N-Nitrosodi-n-propylamine	2990		µg/kg dry	225	4550	BRL	66	40-140	2	30
Pentachlorophenol	4630		µg/kg dry	901	9100	BRL	51	30-130	4	30
Phenol	4020		µg/kg dry	225	9100	BRL	44	30-130	2	30
Pyrene	2830		µg/kg dry	225	4550	BRL	62	40-140	5	30
1,2,4-Trichlorobenzene	2350		µg/kg dry	225	4550	BRL	52	40-140	2	30
Surrogate: 2-Fluorobiphenyl	*2460*		µg/kg dry		*4550*		*54*	*30-130*		
Surrogate: 2-Fluorophenol	*2270*		µg/kg dry		*4550*		*50*	*15-110*		
Surrogate: Nitrobenzene-d5	*2510*		µg/kg dry		*4550*		*55*	*30-130*		
Surrogate: Phenol-d5	*2120*		µg/kg dry		*4550*		*47*	*15-110*		
Surrogate: Terphenyl-dl4	*2850*		µg/kg dry		*4550*		*63*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*2550*		µg/kg dry		*4550*		*56*	*15-110*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040305 - SW846 3050B										
Blank (7040305-BLK1)										
Prepared: 05-Apr-07 Analyzed: 06-Apr-07										
Nickel	BRL	U	mg/kg wet	0.494						
Sodium	BRL	U	mg/kg wet	12.3						
Iron	15.4	QB1	mg/kg wet	0.494						
Vanadium	0.168	J	mg/kg wet	0.494						
Thallium	BRL	U	mg/kg wet	1.48						
Potassium	16.5	QB1	mg/kg wet	12.3						
Lead	BRL	U	mg/kg wet	0.741						
Selenium	BRL	U	mg/kg wet	1.48						
Magnesium	3.59	QB1	mg/kg wet	2.47						
Zinc	1.23	QB1	mg/kg wet	0.494						
Manganese	0.494	QB1	mg/kg wet	0.0988						
Antimony	BRL	U	mg/kg wet	1.48						
Aluminum	5.90	QB1	mg/kg wet	1.48						
Chromium	BRL	U	mg/kg wet	0.494						
Arsenic	BRL	U	mg/kg wet	1.48						
Silver	BRL	U	mg/kg wet	0.988						
Copper	0.163	J	mg/kg wet	0.494						
Cobalt	0.0395	J	mg/kg wet	0.494						
Cadmium	0.0444	J	mg/kg wet	0.247						
Calcium	10.9	QB1	mg/kg wet	4.94						
Beryllium	BRL	U	mg/kg wet	0.593						
Barium	0.198	J	mg/kg wet	0.494						
Duplicate (7040305-DUP1) **Source: SA60157-01**										
Prepared: 05-Apr-07 Analyzed: 06-Apr-07										
Sodium	243	QR6	mg/kg dry	13.4		174			33	20
Zinc	108		mg/kg dry	0.534		113			5	20
Potassium	979		mg/kg dry	13.4		1050			7	20
Lead	228		mg/kg dry	0.801		237			4	20
Iron	9880		mg/kg dry	0.534		11100			12	20
Magnesium	3500		mg/kg dry	2.67		3850			10	20
Vanadium	16.5	QR6	mg/kg dry	0.534		20.8			23	20
Manganese	257		mg/kg dry	0.107		299			15	20
Thallium	BRL	U	mg/kg dry	1.60		BRL				20
Nickel	34.3		mg/kg dry	0.534		39.2			13	20
Selenium	BRL	U	mg/kg dry	1.60		BRL				20
Antimony	0.598	QR4, J	mg/kg dry	1.60		0.742			21	20
Beryllium	0.337	QR1, J	mg/kg dry	0.641		0.420			22	20
Aluminum	5070		mg/kg dry	1.60		5360			6	20
Silver	BRL	U	mg/kg dry	1.07		BRL				20
Arsenic	3.95		mg/kg dry	1.60		4.18			6	20
Calcium	7230		mg/kg dry	5.34		7840			8	20
Cadmium	1.48	QR1	mg/kg dry	0.267		0.389			117	20
Cobalt	5.40		mg/kg dry	0.534		5.66			5	20
Chromium	13.3	QR6	mg/kg dry	0.534		16.5			21	20
Copper	23.3	QR6	mg/kg dry	0.534		28.8			21	20
Barium	120		mg/kg dry	0.534		143			17	20
Matrix Spike (7040305-MS1) **Source: SA60157-02**										
Prepared: 05-Apr-07 Analyzed: 06-Apr-07										
Antimony	69.1	QM8	mg/kg dry	1.51	126	0.726	54	75-125		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040305 - SW846 3050B										
Matrix Spike (7040305-MS1) **Source: SA60157-02**										
Prepared: 05-Apr-07 Analyzed: 06-Apr-07										
Magnesium	8820	QM2	mg/kg dry	2.51	126	6040	NR	75-125		
Sodium	1360	QM7	mg/kg dry	12.6	628	517	134	75-125		
Selenium	107		mg/kg dry	1.51	126	BRL	85	75-125		
Lead	115		mg/kg dry	0.754	126	7.60	85	75-125		
Nickel	169		mg/kg dry	0.503	126	51.9	93	75-125		
Manganese	471		mg/kg dry	0.101	126	350	96	75-125		
Thallium	102		mg/kg dry	1.51	126	BRL	81	75-125		
Potassium	3900	QM8	mg/kg dry	12.6	1260	1590	183	75-125		
Vanadium	133		mg/kg dry	0.503	126	17.3	92	75-125		
Iron	13000	QM2	mg/kg dry	0.503	126	9360	NR	75-125		
Zinc	133		mg/kg dry	0.503	126	26.9	84	75-125		
Silver	36.1	QM7	mg/kg dry	1.01	126	BRL	29	75-125		
Aluminum	8560	QM2	mg/kg dry	1.51	126	7010	NR	75-125		
Arsenic	110		mg/kg dry	1.51	126	1.27	86	75-125		
Calcium	5520	QM4X	mg/kg dry	5.03	628	3330	349	75-125		
Cadmium	110		mg/kg dry	0.251	126	0.0247	87	75-125		
Cobalt	111		mg/kg dry	0.503	126	6.07	83	75-125		
Chromium	141		mg/kg dry	0.503	126	16.9	98	75-125		
Copper	148		mg/kg dry	0.503	126	37.5	88	75-125		
Beryllium	114		mg/kg dry	0.603	126	0.331	90	75-125		
Barium	179		mg/kg dry	0.503	126	46.3	105	75-125		
Matrix Spike Dup (7040305-MSD1) **Source: SA60157-02**										
Prepared: 05-Apr-07 Analyzed: 06-Apr-07										
Thallium	97.7		mg/kg dry	1.46	122	BRL	80	75-125	4	20
Zinc	132		mg/kg dry	0.487	122	26.9	86	75-125	0.8	20
Magnesium	8830	QM2	mg/kg dry	2.44	122	6040	NR	75-125	0.1	20
Selenium	101		mg/kg dry	1.46	122	BRL	83	75-125	6	20
Antimony	66.1	QM8	mg/kg dry	1.46	122	0.726	54	75-125	4	20
Manganese	513	QM7	mg/kg dry	0.0975	122	350	134	75-125	9	20
Potassium	3790	QM8	mg/kg dry	12.2	1220	1590	180	75-125	3	20
Vanadium	134		mg/kg dry	0.487	122	17.3	96	75-125	0.7	20
Sodium	1230		mg/kg dry	12.2	609	517	117	75-125	10	20
Iron	11900	QM2	mg/kg dry	0.487	122	9360	NR	75-125	9	20
Lead	112		mg/kg dry	0.731	122	7.60	86	75-125	3	20
Nickel	172		mg/kg dry	0.487	122	51.9	98	75-125	2	20
Cobalt	108		mg/kg dry	0.487	122	6.07	84	75-125	3	20
Silver	36.9	QM7	mg/kg dry	0.975	122	BRL	30	75-125	2	20
Cadmium	105		mg/kg dry	0.244	122	0.0247	86	75-125	5	20
Aluminum	8440	QM2	mg/kg dry	1.46	122	7010	NR	75-125	1	20
Arsenic	105		mg/kg dry	1.46	122	1.27	85	75-125	5	20
Chromium	138		mg/kg dry	0.487	122	16.9	99	75-125	2	20
Copper	136		mg/kg dry	0.487	122	37.5	81	75-125	8	20
Beryllium	108		mg/kg dry	0.585	122	0.331	88	75-125	5	20
Calcium	4020	QM4X	mg/kg dry	4.87	609	3330	113	75-125	31	20
Barium	171		mg/kg dry	0.487	122	46.3	102	75-125	5	20
Post Spike (7040305-PS1) **Source: SA60157-02**										
Prepared: 05-Apr-07 Analyzed: 06-Apr-07										
Vanadium	140		mg/kg dry	0.530	133	17.3	92	80-120		
Thallium	114		mg/kg dry	1.59	133	BRL	86	80-120		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040305 - SW846 3050B										
Post Spike (7040305-PS1) **Source: SA60157-02**										
Prepared: 05-Apr-07 Analyzed: 06-Apr-07										
Lead	127		mg/kg dry	0.796	133	7.60	90	80-120		
Selenium	120		mg/kg dry	1.59	133	BRL	90	80-120		
Magnesium	8230	QM2	mg/kg dry	2.65	133	6040	NR	80-120		
Zinc	141		mg/kg dry	0.530	133	26.9	86	80-120		
Nickel	184		mg/kg dry	0.530	133	51.9	99	80-120		
Manganese	402	QC1	mg/kg dry	0.106	133	350	39	80-120		
Iron	10800	QM2	mg/kg dry	0.530	133	9360	NR	80-120		
Sodium	852	QC1	mg/kg dry	13.3	663	517	51	80-120		
Antimony	115		mg/kg dry	1.59	133	0.726	86	80-120		
Potassium	2730		mg/kg dry	13.3	1330	1590	86	80-120		
Beryllium	125		mg/kg dry	0.637	133	0.331	94	80-120		
Arsenic	123		mg/kg dry	1.59	133	1.27	92	80-120		
Cadmium	122		mg/kg dry	0.265	133	0.0247	92	80-120		
Aluminum	4970	QM2	mg/kg dry	1.59	133	7010	NR	80-120		
Calcium	3240	QM4X	mg/kg dry	5.30	663	3330	NR	80-120		
Chromium	135		mg/kg dry	0.530	133	16.9	89	80-120		
Cobalt	123		mg/kg dry	0.530	133	6.07	88	80-120		
Copper	156		mg/kg dry	0.530	133	37.5	89	80-120		
Barium	168		mg/kg dry	0.530	133	46.3	92	80-120		
Reference (7040305-SRM1)										
Prepared: 05-Apr-07 Analyzed: 06-Apr-07										
Thallium	63.8		mg/kg wet	1.50	66.4		96	77.1-122.9		
Iron	7120		mg/kg wet	0.500	8360		85	50.8-149.1		
Zinc	112		mg/kg wet	0.500	117		96	79.1-120.9		
Vanadium	51.2		mg/kg wet	0.500	53.7		95	77.1-122.6		
Potassium	1430		mg/kg wet	12.5	1420		101	73.3-126.7		
Manganese	139		mg/kg wet	0.100	153		91	79.1-121		
Magnesium	1580		mg/kg wet	2.50	1550		102	73.1-127.2		
Selenium	77.0		mg/kg wet	1.50	78.5		98	77.4-122.6		
Sodium	232		mg/kg wet	12.5	231		100	64-136		
Nickel	57.6		mg/kg wet	0.500	58.8		98	82.6-117.2		
Antimony	17.0		mg/kg wet	1.50	54.2		31	0-211.2		
Lead	44.4		mg/kg wet	0.750	45.0		99	81.8-118.1		
Copper	45.0		mg/kg wet	0.500	44.1		102	82.4-117.2		
Cobalt	36.7		mg/kg wet	0.500	37.9		97	81.8-118.2		
Cadmium	31.4		mg/kg wet	0.250	31.9		98	82.1-117.9		
Calcium	3780		mg/kg wet	5.00	3870		98	80.7-119.2		
Chromium	46.2		mg/kg wet	0.500	49.6		93	78.9-120.5		
Beryllium	33.0		mg/kg wet	0.600	31.1		106	83-116.9		
Aluminum	4990		mg/kg wet	1.50	4580		109	52.3-147.3		
Arsenic	43.8		mg/kg wet	1.50	45.0		97	80.8-119.4		
Silver	33.2		mg/kg wet	1.00	41.3		80	66.3-133.6		
Barium	227		mg/kg wet	0.500	216		105	82.7-117.3		
Reference (7040305-SRM2)										
Prepared: 05-Apr-07 Analyzed: 06-Apr-07										
Vanadium	49.9		mg/kg wet	0.500	54.3		92	77.1-122.6		
Manganese	142		mg/kg wet	0.100	154		92	79.1-121		
Nickel	56.2		mg/kg wet	0.500	59.4		95	82.6-117.2		
Thallium	61.7		mg/kg wet	1.50	67.1		92	77.1-122.9		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040305 - SW846 3050B										
Reference (7040305-SRM2)										
Prepared: 05-Apr-07 Analyzed: 06-Apr-07										
Selenium	74.6		mg/kg wet	1.50	79.4		94	77.4-122.6		
Lead	43.9		mg/kg wet	0.750	45.5		96	81.8-118.1		
Magnesium	1550		mg/kg wet	2.50	1560		99	73.1-127.2		
Iron	6880		mg/kg wet	0.500	8450		81	50.8-149.1		
Zinc	107		mg/kg wet	0.500	118		91	79.1-120.9		
Antimony	16.6		mg/kg wet	1.50	54.8		30	0-211.2		
Sodium	224		mg/kg wet	12.5	233		96	64-136		
Potassium	1400		mg/kg wet	12.5	1440		97	73.3-126.7		
Copper	43.7		mg/kg wet	0.500	44.5		98	82.4-117.2		
Chromium	45.1		mg/kg wet	0.500	50.1		90	78.9-120.5		
Arsenic	43.2		mg/kg wet	1.50	45.5		95	80.8-119.4		
Cobalt	36.0		mg/kg wet	0.500	38.2		94	81.8-118.2		
Cadmium	30.2		mg/kg wet	0.250	32.3		93	82.1-117.9		
Calcium	3640		mg/kg wet	5.00	3910		93	80.7-119.2		
Silver	32.9		mg/kg wet	1.00	41.8		79	66.3-133.6		
Beryllium	32.3		mg/kg wet	0.600	31.4		103	83-116.9		
Aluminum	4840		mg/kg wet	1.50	4620		105	52.3-147.3		
Barium	227		mg/kg wet	0.500	219		104	82.7-117.3		
Batch 7040306 - EPA200/SW7000 Series										
Blank (7040306-BLK1)										
Prepared & Analyzed: 05-Apr-07										
Mercury	BRL	U	mg/kg wet	0.0289						
Duplicate (7040306-DUP1) **Source: SA60157-01**										
Prepared & Analyzed: 05-Apr-07										
Mercury	0.683		mg/kg dry	0.0327		0.676			1	20
Matrix Spike (7040306-MS1) **Source: SA60157-02**										
Prepared & Analyzed: 05-Apr-07										
Mercury	0.542		mg/kg dry	0.0328	0.456	0.0069	117	75-125		
Matrix Spike Dup (7040306-MSD1) **Source: SA60157-02**										
Prepared & Analyzed: 05-Apr-07										
Mercury	0.480		mg/kg dry	0.0329	0.457	0.0069	104	75-125	12	20
Post Spike (7040306-PS1) **Source: SA60157-02**										
Prepared & Analyzed: 05-Apr-07										
Mercury	0.489		mg/kg dry	0.0327	0.454	0.0069	106	85-115		
Reference (7040306-SRM1)										
Prepared & Analyzed: 05-Apr-07										
Mercury	1.17		mg/kg wet	0.0300	1.18		99	65.9-132.6		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040388 - General Preparation										
Duplicate (7040388-DUP1) **Source: SA59750-40**										
Prepared & Analyzed: 06-Apr-07										
% Solids	99.6		%			99.6			0	20
Batch 7040392 - General Preparation										
Duplicate (7040392-DUP1) **Source: SA59147-34**										
Prepared & Analyzed: 06-Apr-07										
% Solids	82.6		%			82.7			0.1	20
Batch 7040394 - General Preparation										
Duplicate (7040394-DUP1) **Source: SA59788-23**										
Prepared & Analyzed: 06-Apr-07										
% Solids	26.1		%			26.3			0.8	20
Batch 7040516 - SW846 9010										
Blank (7040516-BLK1)										
Prepared & Analyzed: 09-Apr-07										
Cyanide (total)	BRL	U	mg/kg wet	1.00						
LCS (7040516-BS1)										
Prepared & Analyzed: 09-Apr-07										
Cyanide (total)	30.9		mg/kg wet	1.00	30.0		103	90-110		
LCS (7040516-BS2)										
Prepared & Analyzed: 09-Apr-07										
Cyanide (total)	78.0		mg/kg wet	1.00	80.0		98	90-110		
Duplicate (7040516-DUP1) **Source: SA60157-01**										
Prepared & Analyzed: 09-Apr-07										
Cyanide (total)	BRL	U	mg/kg dry	1.14		BRL				35
Matrix Spike (7040516-MS1) **Source: SA60157-01**										
Prepared & Analyzed: 09-Apr-07										
Cyanide (total)	11.7		mg/kg dry	1.11	11.1	BRL	105	75-125		
Matrix Spike Dup (7040516-MSD1) **Source: SA60157-01**										
Prepared & Analyzed: 09-Apr-07										
Cyanide (total)	11.3		mg/kg dry	1.14	11.4	BRL	99	75-125	3	35
Reference (7040516-SRM1)										
Prepared & Analyzed: 09-Apr-07										
Cyanide (total)	235		mg/kg wet	4.40	240		98	40-160		

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
O01	This compound is a common laboratory contaminant.
QB1	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM4X	The spike recovery was outside of QC acceptance limits for the MS, MSD and/or PS due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.
QR1	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QR4	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
SDUP	Duplicate analysis confirmed surrogate failure due to matrix effects.
U	Analyte included in the analysis, but not detected
vex1	Lab extracted
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

Report Date:
06-Apr-07 09:21

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Environmental Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: 166-218 Myrtle Ave - Brooklyn, NY
Project 5762901

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA60023-01	LEG 20-0-14	Soil	28-Mar-07 08:40	02-Apr-07 10:00
SA60023-02	LEG 20-22-24	Soil	28-Mar-07 09:30	02-Apr-07 10:00
SA60023-03	LEG 15-0-4	Soil	30-Mar-07 09:10	02-Apr-07 10:00
SA60023-04	LEG 15-20-22	Soil	30-Mar-07 09:32	02-Apr-07 10:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 45 pages of analytical data plus Chain of Custody document(s).
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Maine # MA138
New Hampshire # 2538/2972
New Jersey # MA011/MA012
New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NH-2972, NY-11840, FL-E87936 and NJ-MA012).

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 20-0-14	5762901	Soil	28-Mar-07 08:40	02-Apr-07
SA60023-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/kg dry	6.3	2.6	1	SW 846 8260B	04-Apr-07	04-Apr-07	7040211	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	126	55.4	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.3	0.7	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	63.2	4.5	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	31.6	0.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.3	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.3	0.8	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	12.6	1.4	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.3	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.3	0.9	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.3	1.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.3	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.3	0.9	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.3	0.4	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.3	0.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.3	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.3	0.6	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.3	0.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.3	0.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	63.2	0.7	1	"	"	"	"	"
75-09-2	Methylene chloride	6.4	O01, J	µg/kg dry	63.2	3.0	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.3	1.0	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	6.3	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.3	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.3	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.3	0.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.3	0.7	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.3	0.6	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.3	0.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	12.6	1.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.3	1.1	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*109*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*101*		*70-130 %*				"	"	"	"	"
	VOC Extraction	Lab extracted		N/A			1	VOC	02-Apr-07	02-Apr-07	7040044	BD
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	15.5	0.130	1	SW846 8081A	03-Apr-07	04-Apr-07	7040091	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	15.5	0.247	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	15.5	0.252	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	15.5	0.192	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	15.5	0.174	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	77.4	0.863	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	15.5	0.361	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	15.5	0.359	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	15.5	0.330	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 20-0-14	5762901	Soil	28-Mar-07 08:40	02-Apr-07
SA60023-01				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	15.5	0.234	1	SW846 8081A	03-Apr-07	04-Apr-07	7040091	TG
959-98-8	Endosulfan I	BRL	U	µg/kg dry	15.5	0.634	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	15.5	0.557	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	15.5	0.404	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	15.5	0.529	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	15.5	0.417	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	15.5	0.158	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	15.5	0.235	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	15.5	0.235	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	15.5	0.585	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	15.5	1.04	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*128*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
12674-11-2	PCB 1016	BRL	U	µg/kg dry	31.0	1.95	1	SW846 8082	03-Apr-07	04-Apr-07	7040092	SM
11104-28-2	PCB 1221	BRL	U	µg/kg dry	31.0	1.95	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/kg dry	31.0	4.55	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/kg dry	31.0	3.90	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/kg dry	31.0	4.66	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/kg dry	31.0	1.41	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/kg dry	31.0	1.62	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	04-Apr-07	04-Apr-07	7040189	MP
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*47*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	244	5.92	1	SW846 8270C	03-Apr-07	05-Apr-07	7040095	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	244	7.41	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	244	18.8	1	"	"	"	"	"
120-12-7	Anthracene	44.4	J	µg/kg dry	244	7.41	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	130	J	µg/kg dry	244	15.8	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	123	J	µg/kg dry	244	8.37	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	102	J	µg/kg dry	244	32.6	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	71.6	J	µg/kg dry	244	6.89	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	115	J	µg/kg dry	244	9.85	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	244	4.44	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	244	47.0	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	244	28.1	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	244	8.89	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 20-0-14	5762901	Soil	28-Mar-07 08:40	02-Apr-07
SA60023-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	244	23.7	1	SW846 8270C	03-Apr-07	05-Apr-07	7040095	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	244	4.94	1	"	"	"	"	"
218-01-9	Chrysene	132	J	µg/kg dry	244	3.48	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	244	3.93	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	244	2.96	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	244	17.8	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	244	6.44	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	244	7.92	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	244	6.89	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	244	6.44	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	244	15.3	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	244	5.92	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	244	11.8	1	"	"	"	"	"
206-44-0	Fluoranthene	280		µg/kg dry	244	5.92	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	244	5.92	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	244	18.3	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	68.1	J	µg/kg dry	244	11.3	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	244	14.8	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	244	5.41	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	244	10.4	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	244	5.92	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	244	9.41	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	244	2.96	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	244	8.37	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	244	8.89	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	244	11.3	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	978	12.8	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	978	15.8	1	"	"	"	"	"
85-01-8	Phenanthrene	189	J	µg/kg dry	244	11.3	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	244	4.94	1	"	"	"	"	"
129-00-0	Pyrene	300		µg/kg dry	244	17.3	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	244	4.94	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*67*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*64*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*62*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*61*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*79*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*55*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.10	0.875	1	SW846 6010B	03-Apr-07	04-Apr-07	7040143	LR
7429-90-5	Aluminum	3,990		mg/kg dry	1.65	1.23	1	"	"	"	"	"
7440-38-2	Arsenic	1.73	J	mg/kg dry	4.95	0.429	1	"	"	"	"	"
7440-39-3	Barium	40.7		mg/kg dry	0.550	0.182	1	"	"	"	"	"
7440-41-7	Beryllium	0.297	J	mg/kg dry	0.303	0.0798	1	"	"	"	"	"
7440-70-2	Calcium	10,200		mg/kg dry	5.50	5.31	1	"	"	"	"	"
7440-43-9	Cadmium	0.110	J	mg/kg dry	0.275	0.0275	1	"	"	"	"	"
7440-48-4	Cobalt	6.55		mg/kg dry	0.550	0.0385	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 20-0-14 SA60023-01	5762901	Soil	28-Mar-07 08:40	02-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	15.7		mg/kg dry	0.550	0.259	1	SW846 6010B	03-Apr-07	04-Apr-07	7040143	LR
7440-50-8	Copper	7.51		mg/kg dry	0.550	0.176	1	"	"	"	"	"
7439-89-6	Iron	8,750		mg/kg dry	0.550	0.440	1	"	"	"	"	"
7439-97-6	Mercury	0.0556		mg/kg dry	0.0331	0.0066	1	SW846 7471A	03-Apr-07	04-Apr-07	7040145	BT
7440-09-7	Potassium	1,580		mg/kg dry	13.8	2.46	1	SW846 6010B	03-Apr-07	04-Apr-07	7040143	LR
7439-95-4	Magnesium	11,500		mg/kg dry	13.8	2.67	5	"	"	04-Apr-07	"	"
7439-96-5	Manganese	248		mg/kg dry	0.110	0.0842	1	"	"	04-Apr-07	"	"
7440-23-5	Sodium	177		mg/kg dry	13.8	4.49	1	"	"	"	"	"
7440-02-0	Nickel	83.8		mg/kg dry	0.550	0.193	1	"	"	"	"	"
7439-92-1	Lead	5.01		mg/kg dry	0.825	0.248	1	"	"	"	"	"
7440-36-0	Antimony	0.776	J	mg/kg dry	1.65	0.281	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.65	0.655	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	1.65	0.275	1	"	"	"	"	"
7440-62-2	Vanadium	14.3		mg/kg dry	0.550	0.0715	1	"	"	"	"	"
7440-66-6	Zinc	26.3		mg/kg dry	0.550	0.171	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	90.6		%			1	SM2540 G Mod.	04-Apr-07	04-Apr-07	7040216	BD
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.12	0.705	1	10-204-00-1-A / SW846 9012A	05-Apr-07	05-Apr-07	7040313	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 20-22-24 SA60023-02	5762901	Soil	28-Mar-07 09:30	02-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/kg dry	7.7	3.2	1	SW 846 8260B	04-Apr-07	04-Apr-07	7040211	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	155	67.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	7.7	0.9	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	77.3	5.5	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	38.7	0.7	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	7.7	0.8	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	7.7	1.0	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	15.5	1.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	7.7	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	7.7	1.2	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	7.7	1.8	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	7.7	0.8	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	7.7	1.1	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	7.7	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	7.7	0.7	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	7.7	0.6	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	7.7	0.8	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	7.7	0.7	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	7.7	0.9	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	77.3	0.9	1	"	"	"	"	"
75-09-2	Methylene chloride	6.1	O01, J	µg/kg dry	77.3	3.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	7.7	1.2	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	7.7	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	7.7	1.2	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	7.7	0.6	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	7.7	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	7.7	0.9	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	7.7	0.8	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	7.7	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	15.5	1.8	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	7.7	1.4	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*109*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*				"	"	"	"	"
	VOC Extraction	Lab extracted		N/A			1	VOC	02-Apr-07	02-Apr-07	7040044	BD
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	16.4	0.138	1	SW846 8081A	03-Apr-07	04-Apr-07	7040091	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	16.4	0.262	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	16.4	0.267	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	16.4	0.203	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	16.4	0.185	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	82.0	0.915	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	16.4	0.382	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	16.4	0.380	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	16.4	0.350	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 20-22-24 SA60023-02	5762901	Soil	28-Mar-07 09:30	02-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	16.4	0.248	1	SW846 8081A	03-Apr-07	04-Apr-07	7040091	TG
959-98-8	Endosulfan I	BRL	U	µg/kg dry	16.4	0.671	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	16.4	0.590	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	16.4	0.428	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	16.4	0.560	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	16.4	0.442	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	16.4	0.168	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	16.4	0.249	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	16.4	0.249	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	16.4	0.620	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	16.4	1.10	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*45*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*76*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
12674-11-2	PCB 1016	BRL	U	µg/kg dry	32.8	2.07	1	SW846 8082	03-Apr-07	04-Apr-07	7040092	SM
11104-28-2	PCB 1221	BRL	U	µg/kg dry	32.8	2.07	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/kg dry	32.8	4.82	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/kg dry	32.8	4.13	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/kg dry	32.8	4.93	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/kg dry	32.8	1.49	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/kg dry	32.8	1.72	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	04-Apr-07	04-Apr-07	7040189	MP
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*38*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	263	6.37	1	SW846 8270C	03-Apr-07	05-Apr-07	7040095	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	263	7.96	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	263	20.2	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/kg dry	263	7.96	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/kg dry	263	17.0	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/kg dry	263	8.99	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/kg dry	263	35.0	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/kg dry	263	7.40	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/kg dry	263	10.6	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	263	4.77	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	263	50.5	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	263	30.2	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	263	9.55	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 20-22-24 SA60023-02	5762901	Soil	28-Mar-07 09:30	02-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	263	25.5	1	SW846 8270C	03-Apr-07	05-Apr-07	7040095	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	263	5.31	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/kg dry	263	3.74	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	263	4.22	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	263	3.18	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	263	19.1	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	263	6.92	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	263	8.52	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	263	7.40	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	263	6.92	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	263	16.5	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	263	6.37	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	263	12.7	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/kg dry	263	6.37	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	263	6.37	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	263	19.7	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	263	12.2	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	263	15.9	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	263	5.81	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	263	11.1	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	263	6.37	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	263	10.1	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	263	3.18	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	263	8.99	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	263	9.55	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	263	12.2	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	1050	13.8	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	1050	17.0	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/kg dry	263	12.2	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	263	5.31	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/kg dry	263	18.6	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	263	5.31	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*55*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*52*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*50*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*50*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*62*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*44*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.05	0.836	1	SW846 6010B	03-Apr-07	04-Apr-07	7040143	LR
7429-90-5	Aluminum	2,410		mg/kg dry	1.58	1.18	1	"	"	"	"	"
7440-38-2	Arsenic	1.18	J	mg/kg dry	4.73	0.410	1	"	"	"	"	"
7440-39-3	Barium	22.1		mg/kg dry	0.526	0.174	1	"	"	"	"	"
7440-41-7	Beryllium	0.189	J	mg/kg dry	0.210	0.0763	1	"	"	"	"	"
7440-70-2	Calcium	5,100		mg/kg dry	5.26	5.08	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/kg dry	0.263	0.0263	1	"	"	"	"	"
7440-48-4	Cobalt	2.75		mg/kg dry	0.526	0.0368	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 20-22-24 SA60023-02	5762901	Soil	28-Mar-07 09:30	02-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	5.86		mg/kg dry	0.526	0.247	1	SW846 6010B	03-Apr-07	04-Apr-07	7040143	LR
7440-50-8	Copper	4.80		mg/kg dry	0.526	0.168	1	"	"	"	"	"
7439-89-6	Iron	5,470		mg/kg dry	0.526	0.421	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/kg dry	0.0352	0.0070	1	SW846 7471A	03-Apr-07	04-Apr-07	7040145	BT
7440-09-7	Potassium	434		mg/kg dry	13.2	2.36	1	SW846 6010B	03-Apr-07	04-Apr-07	7040143	LR
7439-95-4	Magnesium	3,150		mg/kg dry	2.63	0.510	1	"	"	"	"	"
7439-96-5	Manganese	155		mg/kg dry	0.105	0.0805	1	"	"	"	"	"
7440-23-5	Sodium	104		mg/kg dry	13.2	4.30	1	"	"	"	"	"
7440-02-0	Nickel	19.5		mg/kg dry	0.526	0.184	1	"	"	"	"	"
7439-92-1	Lead	1.99		mg/kg dry	0.789	0.237	1	"	"	"	"	"
7440-36-0	Antimony	0.405	J	mg/kg dry	1.58	0.268	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.58	0.626	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	1.58	0.263	1	"	"	"	"	"
7440-62-2	Vanadium	8.13		mg/kg dry	0.526	0.0684	1	"	"	"	"	"
7440-66-6	Zinc	10.7		mg/kg dry	0.526	0.163	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	84.1		%			1	SM2540 G Mod.	04-Apr-07	04-Apr-07	7040216	BD
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.16	0.732	1	10-204-00-1-A / SW846 9012A	05-Apr-07	05-Apr-07	7040313	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 15-0-4 SA60023-03	5762901	Soil	30-Mar-07 09:10	02-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/kg dry	6.6	2.7	1	SW 846 8260B	04-Apr-07	04-Apr-07	7040211	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	132	57.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	65.9	4.7	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	33.0	0.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.6	0.9	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	13.2	1.5	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.6	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.6	1.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.6	0.9	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.6	0.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.6	0.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.6	0.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	65.9	0.7	1	"	"	"	"	"
75-09-2	Methylene chloride	5.7	O01, J	µg/kg dry	65.9	3.2	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.6	1.1	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	6.6	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.6	1.1	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.6	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.6	0.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.6	0.7	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.6	0.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	13.2	1.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.6	1.2	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*98*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*98*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*107*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*104*		*70-130 %*				"	"	"	"	"
	VOC Extraction	Lab extracted		N/A			1	VOC	02-Apr-07	02-Apr-07	7040044	BD
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	16.5	0.138	1	SW846 8081A	03-Apr-07	04-Apr-07	7040091	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	16.5	0.263	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	16.5	0.269	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	16.5	0.204	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	16.5	0.186	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	82.4	0.919	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	5.71	J	µg/kg dry	16.5	0.384	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	3.58	J	µg/kg dry	16.5	0.382	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	72.1		µg/kg dry	16.5	0.352	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 15-0-4	5762901	Soil	30-Mar-07 09:10	02-Apr-07
SA60023-03				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	1.62	J	µg/kg dry	16.5	0.249	1	SW846 8081A	03-Apr-07	04-Apr-07	7040091	TG
959-98-8	Endosulfan I	BRL	U	µg/kg dry	16.5	0.674	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	16.5	0.593	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	16.5	0.430	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	16.5	0.563	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	16.5	0.444	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	16.5	0.168	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	16.5	0.250	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	16.5	0.250	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	16.5	0.623	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	16.5	1.11	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*118*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
12674-11-2	PCB 1016	BRL	U	µg/kg dry	33.0	2.08	1	SW846 8082	03-Apr-07	04-Apr-07	7040092	SM
11104-28-2	PCB 1221	BRL	U	µg/kg dry	33.0	2.08	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/kg dry	33.0	4.84	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/kg dry	33.0	4.15	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/kg dry	33.0	4.96	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/kg dry	33.0	1.50	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/kg dry	33.0	1.73	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	04-Apr-07	04-Apr-07	7040189	MP
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*47*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	28.5	J	µg/kg dry	256	6.21	1	SW846 8270C	03-Apr-07	05-Apr-07	7040095	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	256	7.76	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	256	19.7	1	"	"	"	"	"
120-12-7	Anthracene	83.8	J	µg/kg dry	256	7.76	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	222	J	µg/kg dry	256	16.5	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	202	J	µg/kg dry	256	8.77	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	168	J	µg/kg dry	256	34.2	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	103	J	µg/kg dry	256	7.22	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	182	J	µg/kg dry	256	10.3	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	256	4.66	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	147	J	µg/kg dry	256	49.2	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	256	29.5	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	256	9.32	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 15-0-4 SA60023-03	5762901	Soil	30-Mar-07 09:10	02-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	256	24.8	1	SW846 8270C	03-Apr-07	05-Apr-07	7040095	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	256	5.18	1	"	"	"	"	"
218-01-9	Chrysene	226	J	µg/kg dry	256	3.65	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	256	4.11	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	256	3.11	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	256	18.6	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	256	6.75	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	256	8.31	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	256	7.22	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	256	6.75	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	256	16.1	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	256	6.21	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	256	12.4	1	"	"	"	"	"
206-44-0	Fluoranthene	497		µg/kg dry	256	6.21	1	"	"	"	"	"
86-73-7	Fluorene	27.9	J	µg/kg dry	256	6.21	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	256	19.2	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	103	J	µg/kg dry	256	11.9	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	256	15.5	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	256	5.67	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	256	10.9	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	256	6.21	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	256	9.86	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	256	3.11	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	256	8.77	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	256	9.32	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	256	11.9	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	1020	13.4	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	1020	16.5	1	"	"	"	"	"
85-01-8	Phenanthrene	328		µg/kg dry	256	11.9	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	256	5.18	1	"	"	"	"	"
129-00-0	Pyrene	504		µg/kg dry	256	18.2	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	256	5.18	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*61*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*59*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*57*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*57*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*72*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*51*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.09	0.870	1	SW846 6010B	03-Apr-07	04-Apr-07	7040143	LR
7429-90-5	Aluminum	10,600		mg/kg dry	1.64	1.23	1	"	"	"	"	"
7440-38-2	Arsenic	3.51	J	mg/kg dry	4.92	0.427	1	"	"	"	"	"
7440-39-3	Barium	94.5		mg/kg dry	0.547	0.181	1	"	"	"	"	"
7440-41-7	Beryllium	0.438		mg/kg dry	0.219	0.0793	1	"	"	"	"	"
7440-70-2	Calcium	3,890		mg/kg dry	5.47	5.29	1	"	"	"	"	"
7440-43-9	Cadmium	0.159	J	mg/kg dry	0.274	0.0274	1	"	"	"	"	"
7440-48-4	Cobalt	6.74		mg/kg dry	0.547	0.0383	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 15-0-4 SA60023-03	5762901	Soil	30-Mar-07 09:10	02-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	20.8		mg/kg dry	0.547	0.257	1	SW846 6010B	03-Apr-07	04-Apr-07	7040143	LR
7440-50-8	Copper	22.4		mg/kg dry	0.547	0.175	1	"	"	"	"	"
7439-89-6	Iron	22,500		mg/kg dry	0.547	0.438	1	"	"	"	"	"
7439-97-6	Mercury	0.304		mg/kg dry	0.0344	0.0069	1	SW846 7471A	03-Apr-07	04-Apr-07	7040145	BT
7440-09-7	Potassium	1,270		mg/kg dry	13.7	2.45	1	SW846 6010B	03-Apr-07	04-Apr-07	7040143	LR
7439-95-4	Magnesium	2,860		mg/kg dry	2.74	0.531	1	"	"	"	"	"
7439-96-5	Manganese	324		mg/kg dry	0.109	0.0837	1	"	"	"	"	"
7440-23-5	Sodium	98.5		mg/kg dry	13.7	4.47	1	"	"	"	"	"
7440-02-0	Nickel	24.6		mg/kg dry	0.547	0.191	1	"	"	"	"	"
7439-92-1	Lead	166		mg/kg dry	0.821	0.246	1	"	"	"	"	"
7440-36-0	Antimony	1.48	J	mg/kg dry	1.64	0.279	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.64	0.651	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	1.64	0.274	1	"	"	"	"	"
7440-62-2	Vanadium	26.1		mg/kg dry	0.547	0.0711	1	"	"	"	"	"
7440-66-6	Zinc	82.1		mg/kg dry	0.547	0.170	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	86.6		%			1	SM2540 G Mod.	04-Apr-07	04-Apr-07	7040216	BD
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.15	0.724	1	10-204-00-1-A / SW846 9012A	05-Apr-07	05-Apr-07	7040313	rth

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 15-20-22 SA60023-04	5762901	Soil	30-Mar-07 09:32	02-Apr-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5035A Soil (low level)												
76-13-1	1,1,2-Trichlorotrifluoroethane (Freon	BRL	U	µg/kg dry	6.3	2.6	1	SW 846 8260B	04-Apr-07	04-Apr-07	7040211	RLJ
67-64-1	Acetone	BRL	U	µg/kg dry	127	55.6	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/kg dry	6.3	0.7	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/kg dry	63.4	4.5	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/kg dry	31.7	0.6	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/kg dry	6.3	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/kg dry	6.3	0.8	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/kg dry	12.7	1.4	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/kg dry	6.3	0.5	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/kg dry	6.3	1.0	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/kg dry	6.3	1.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/kg dry	6.3	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/kg dry	6.3	0.9	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/kg dry	6.3	0.4	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/kg dry	6.3	0.6	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/kg dry	6.3	0.5	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/kg dry	6.3	0.6	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/kg dry	6.3	0.6	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/kg dry	6.3	0.8	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg dry	63.4	0.7	1	"	"	"	"	"
75-09-2	Methylene chloride	6.2	O01, J	µg/kg dry	63.4	3.0	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/kg dry	6.3	1.0	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/kg dry	6.3	0.4	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/kg dry	6.3	1.0	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/kg dry	6.3	0.5	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/kg dry	6.3	0.8	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/kg dry	6.3	0.7	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/kg dry	6.3	0.6	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/kg dry	6.3	0.8	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/kg dry	12.7	1.5	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/kg dry	6.3	1.1	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*99*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*110*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*103*		*70-130 %*				"	"	"	"	"
	VOC Extraction	Lab extracted		N/A			1	VOC	02-Apr-07	02-Apr-07	7040044	BD
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
309-00-2	Aldrin	BRL	U	µg/kg dry	15.8	0.133	1	SW846 8081A	03-Apr-07	04-Apr-07	7040091	TG
319-84-6	a-BHC	BRL	U	µg/kg dry	15.8	0.253	1	"	"	"	"	"
319-85-7	b-BHC	BRL	U	µg/kg dry	15.8	0.258	1	"	"	"	"	"
319-86-8	d-BHC	BRL	U	µg/kg dry	15.8	0.196	1	"	"	"	"	"
58-89-9	g-BHC (Lindane)	BRL	U	µg/kg dry	15.8	0.178	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/kg dry	79.2	0.883	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/kg dry	15.8	0.369	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/kg dry	15.8	0.367	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/kg dry	15.8	0.338	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 15-20-22 SA60023-04	5762901	Soil	30-Mar-07 09:32	02-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3550B												
60-57-1	Dieldrin	BRL	U	µg/kg dry	15.8	0.239	1	SW846 8081A	03-Apr-07	04-Apr-07	7040091	TG
959-98-8	Endosulfan I	BRL	U	µg/kg dry	15.8	0.648	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/kg dry	15.8	0.569	1	"	"	"	"	"
1031-07-8	Endosulfan Sulfate	BRL	U	µg/kg dry	15.8	0.413	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/kg dry	15.8	0.541	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/kg dry	15.8	0.427	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/kg dry	15.8	0.162	1	"	"	"	"	"
1024-57-3	Heptachlor Epoxide	BRL	U	µg/kg dry	15.8	0.240	1	"	"	"	"	"
5103-71-9	a-Chlordane	BRL	U	µg/kg dry	15.8	0.240	1	"	"	"	"	"
5566-34-7	g-Chlordane	BRL	U	µg/kg dry	15.8	0.598	1	"	"	"	"	"
53494-70-5	Endrin Ketone	BRL	U	µg/kg dry	15.8	1.06	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*54*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*88*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3550B												
12674-11-2	PCB 1016	BRL	U	µg/kg dry	31.7	1.99	1	SW846 8082	03-Apr-07	04-Apr-07	7040092	SM
11104-28-2	PCB 1221	BRL	U	µg/kg dry	31.7	1.99	1	"	"	"	"	"
11141-16-5	PCB 1232	BRL	U	µg/kg dry	31.7	4.65	1	"	"	"	"	"
53469-21-9	PCB 1242	BRL	U	µg/kg dry	31.7	3.99	1	"	"	"	"	"
12672-29-6	PCB 1248	BRL	U	µg/kg dry	31.7	4.76	1	"	"	"	"	"
11097-69-1	PCB 1254	BRL	U	µg/kg dry	31.7	1.44	1	"	"	"	"	"
11096-82-5	PCB 1260	BRL	U	µg/kg dry	31.7	1.66	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*60*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3550B												
94-75-7	2,4-D	BRL	U	µg/kg dry	6.70	1.90	1	SW846 8151A	04-Apr-07	04-Apr-07	7040189	MP
93-76-5	2,4,5-T	BRL	U	µg/kg dry	6.70	2.50	1	"	"	"	"	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70	1.70	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*41*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
83-32-9	Acenaphthene	BRL	U	µg/kg dry	213	5.17	1	SW846 8270C	03-Apr-07	05-Apr-07	7040095	M.B
208-96-8	Acenaphthylene	BRL	U	µg/kg dry	213	6.47	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/kg dry	213	16.4	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/kg dry	213	6.47	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/kg dry	213	13.8	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/kg dry	213	7.31	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/kg dry	213	28.4	1	"	"	"	"	"
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/kg dry	213	6.01	1	"	"	"	"	"
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/kg dry	213	8.60	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/kg dry	213	3.88	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg dry	213	41.0	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/kg dry	213	24.6	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/kg dry	213	7.76	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 15-20-22 SA60023-04	5762901	Soil	30-Mar-07 09:32	02-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3550B												
106-47-8	4-Chloroaniline	BRL	U	µg/kg dry	213	20.7	1	SW846 8270C	03-Apr-07	05-Apr-07	7040095	M.B
95-57-8	2-Chlorophenol	BRL	U	µg/kg dry	213	4.31	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/kg dry	213	3.04	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/kg dry	213	3.43	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/kg dry	213	2.59	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/kg dry	213	15.5	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/kg dry	213	5.62	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/kg dry	213	6.92	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/kg dry	213	6.01	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/kg dry	213	5.62	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/kg dry	213	13.4	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/kg dry	213	5.17	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/kg dry	213	10.3	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/kg dry	213	5.17	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/kg dry	213	5.17	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/kg dry	213	16.0	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg dry	213	9.89	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/kg dry	213	12.9	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/kg dry	213	4.72	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/kg dry	213	9.05	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/kg dry	213	5.17	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/kg dry	213	8.21	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/kg dry	213	2.59	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/kg dry	213	7.31	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/kg dry	213	7.76	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/kg dry	213	9.89	1	"	"	"	"	"
100-02-7	4-Nitrophenol	BRL	U	µg/kg dry	853	11.2	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/kg dry	853	13.8	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/kg dry	213	9.89	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/kg dry	213	4.31	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/kg dry	213	15.1	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/kg dry	213	4.31	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*53*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*50*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*48*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*50*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*65*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*42*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/kg dry	1.04	0.824	1	SW846 6010B	03-Apr-07	04-Apr-07	7040143	LR
7429-90-5	Aluminum	4,840		mg/kg dry	1.55	1.16	1	"	"	"	"	"
7440-38-2	Arsenic	1.62	J	mg/kg dry	4.66	0.404	1	"	"	"	"	"
7440-39-3	Barium	24.3		mg/kg dry	0.518	0.171	1	"	"	"	"	"
7440-41-7	Beryllium	0.150	J	mg/kg dry	0.207	0.0751	1	"	"	"	"	"
7440-70-2	Calcium	2,030		mg/kg dry	5.18	5.01	1	"	"	"	"	"
7440-43-9	Cadmium	0.0881	J	mg/kg dry	0.259	0.0259	1	"	"	"	"	"
7440-48-4	Cobalt	2.96		mg/kg dry	0.518	0.0363	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
LEG 15-20-22 SA60023-04	5762901	Soil	30-Mar-07 09:32	02-Apr-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-47-3	Chromium	7.16		mg/kg dry	0.518	0.244	1	SW846 6010B	03-Apr-07	04-Apr-07	7040143	LR
7440-50-8	Copper	10.4		mg/kg dry	0.518	0.166	1	"	"	"	"	"
7439-89-6	Iron	7,700		mg/kg dry	0.518	0.415	1	"	"	"	"	"
7439-97-6	Mercury	BRL	U	mg/kg dry	0.0332	0.0066	1	SW846 7471A	03-Apr-07	04-Apr-07	7040145	BT
7440-09-7	Potassium	646		mg/kg dry	13.0	2.32	1	SW846 6010B	03-Apr-07	04-Apr-07	7040143	LR
7439-95-4	Magnesium	1,860		mg/kg dry	2.59	0.503	1	"	"	"	"	"
7439-96-5	Manganese	209		mg/kg dry	0.104	0.0793	1	"	"	"	"	"
7440-23-5	Sodium	327		mg/kg dry	13.0	4.23	1	"	"	"	"	"
7440-02-0	Nickel	14.2		mg/kg dry	0.518	0.181	1	"	"	"	"	"
7439-92-1	Lead	3.71		mg/kg dry	0.777	0.233	1	"	"	"	"	"
7440-36-0	Antimony	0.415	J	mg/kg dry	1.55	0.264	1	"	"	"	"	"
7782-49-2	Selenium	BRL	U	mg/kg dry	1.55	0.617	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/kg dry	1.55	0.259	1	"	"	"	"	"
7440-62-2	Vanadium	14.8		mg/kg dry	0.518	0.0674	1	"	"	"	"	"
7440-66-6	Zinc	17.9		mg/kg dry	0.518	0.161	1	"	"	"	"	"
General Chemistry Parameters												
	% Solids	89.9		%			1	SM2540 G Mod.	04-Apr-07	04-Apr-07	7040216	BD
57-12-5	Cyanide (total)	BRL	U	mg/kg dry	1.02	0.642	1	10-204-00-1-A / SW846 9012A	05-Apr-07	05-Apr-07	7040313	rth

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040152 - SW846 5030 Soil (high level)										
Blank (7040152-BLK1)										
Prepared & Analyzed: 03-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/kg wet	1.0						
Acetone	BRL	U	µg/kg wet	20.0						
Acrylonitrile	BRL	U	µg/kg wet	1.0						
Benzene	BRL	U	µg/kg wet	1.0						
Bromobenzene	BRL	U	µg/kg wet	1.0						
Bromochloromethane	BRL	U	µg/kg wet	1.0						
Bromodichloromethane	BRL	U	µg/kg wet	1.0						
Bromoform	BRL	U	µg/kg wet	1.0						
Bromomethane	BRL	U	µg/kg wet	2.0						
2-Butanone (MEK)	BRL	U	µg/kg wet	10.0						
n-Butylbenzene	BRL	U	µg/kg wet	1.0						
sec-Butylbenzene	BRL	U	µg/kg wet	1.0						
tert-Butylbenzene	BRL	U	µg/kg wet	1.0						
Carbon disulfide	BRL	U	µg/kg wet	5.0						
Carbon tetrachloride	BRL	U	µg/kg wet	1.0						
Chlorobenzene	BRL	U	µg/kg wet	1.0						
Chloroethane	BRL	U	µg/kg wet	2.0						
Chloroform	BRL	U	µg/kg wet	1.0						
Chloromethane	BRL	U	µg/kg wet	2.0						
2-Chlorotoluene	BRL	U	µg/kg wet	1.0						
4-Chlorotoluene	BRL	U	µg/kg wet	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/kg wet	2.0						
Dibromochloromethane	BRL	U	µg/kg wet	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/kg wet	1.0						
Dibromomethane	BRL	U	µg/kg wet	1.0						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/kg wet	2.0						
1,1-Dichloroethane	BRL	U	µg/kg wet	1.0						
1,2-Dichloroethane	BRL	U	µg/kg wet	1.0						
1,1-Dichloroethene	BRL	U	µg/kg wet	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/kg wet	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/kg wet	1.0						
1,2-Dichloropropane	BRL	U	µg/kg wet	1.0						
1,3-Dichloropropane	BRL	U	µg/kg wet	1.0						
2,2-Dichloropropane	BRL	U	µg/kg wet	1.0						
1,1-Dichloropropene	BRL	U	µg/kg wet	1.0						
cis-1,3-Dichloropropene	BRL	U	µg/kg wet	1.0						
trans-1,3-Dichloropropene	BRL	U	µg/kg wet	1.0						
Ethylbenzene	BRL	U	µg/kg wet	1.0						
Hexachlorobutadiene	BRL	U	µg/kg wet	1.0						
2-Hexanone (MBK)	BRL	U	µg/kg wet	10.0						
Isopropylbenzene	BRL	U	µg/kg wet	1.0						
4-Isopropyltoluene	BRL	U	µg/kg wet	1.0						
Methyl tert-butyl ether	BRL	U	µg/kg wet	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg wet	10.0						
Methylene chloride	BRL	U	µg/kg wet	10.0						
Naphthalene	0.5	J	µg/kg wet	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040152 - SW846 5030 Soil (high level)										
Blank (7040152-BLK1)										
Prepared & Analyzed: 03-Apr-07										
n-Propylbenzene	BRL	U	µg/kg wet	1.0						
Styrene	BRL	U	µg/kg wet	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/kg wet	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/kg wet	1.0						
Tetrachloroethene	BRL	U	µg/kg wet	1.0						
Toluene	BRL	U	µg/kg wet	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/kg wet	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	1.0						
1,1,1-Trichloroethane	BRL	U	µg/kg wet	1.0						
1,1,2-Trichloroethane	BRL	U	µg/kg wet	1.0						
Trichloroethene	BRL	U	µg/kg wet	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/kg wet	1.0						
1,2,3-Trichloropropane	BRL	U	µg/kg wet	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/kg wet	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/kg wet	1.0						
Vinyl chloride	BRL	U	µg/kg wet	1.0						
m,p-Xylene	BRL	U	µg/kg wet	2.0						
o-Xylene	BRL	U	µg/kg wet	1.0						
Tetrahydrofuran	BRL	U	µg/kg wet	10.0						
Ethyl ether	BRL	U	µg/kg wet	1.0						
Tert-amyl methyl ether	BRL	U	µg/kg wet	1.0						
Ethyl tert-butyl ether	BRL	U	µg/kg wet	1.0						
Di-isopropyl ether	BRL	U	µg/kg wet	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/kg wet	10.0						
1,4-Dioxane	BRL	U	µg/kg wet	20.0						
Surrogate: 4-Bromofluorobenzene	*28.5*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*28.6*		µg/kg wet		*30.0*		*95*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.1*		µg/kg wet		*30.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*35.1*		µg/kg wet		*30.0*		*117*	*70-130*		
LCS (7040152-BS1)										
Prepared & Analyzed: 03-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	23.1		µg/kg wet		20.0		116	70-130		
Acetone	19.8		µg/kg wet		20.0		99	1.77-175		
Acrylonitrile	27.0	QC2	µg/kg wet		20.0		135	70-130		
Benzene	22.1		µg/kg wet		20.0		110	70-130		
Bromobenzene	21.2		µg/kg wet		20.0		106	70-130		
Bromochloromethane	26.5	QC1	µg/kg wet		20.0		132	70-130		
Bromodichloromethane	21.9		µg/kg wet		20.0		110	70-130		
Bromoform	20.6		µg/kg wet		20.0		103	70-130		
Bromomethane	26.4		µg/kg wet		20.0		132	55.3-136		
2-Butanone (MEK)	20.8		µg/kg wet		20.0		104	38.8-142		
n-Butylbenzene	16.3		µg/kg wet		20.0		82	70-130		
sec-Butylbenzene	18.0		µg/kg wet		20.0		90	70-130		
tert-Butylbenzene	19.2		µg/kg wet		20.0		96	70-130		
Carbon disulfide	22.8		µg/kg wet		20.0		114	70-130		
Carbon tetrachloride	17.0		µg/kg wet		20.0		85	70-130		
Chlorobenzene	21.3		µg/kg wet		20.0		106	70-130		
Chloroethane	25.0		µg/kg wet		20.0		125	55.3-130		
Chloroform	23.7		µg/kg wet		20.0		118	70-130		
Chloromethane	23.7		µg/kg wet		20.0		118	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040152 - SW846 5030 Soil (high level)										
LCS (7040152-BS1)										
Prepared & Analyzed: 03-Apr-07										
2-Chlorotoluene	19.2		µg/kg wet		20.0		96	70-130		
4-Chlorotoluene	20.1		µg/kg wet		20.0		100	70-130		
1,2-Dibromo-3-chloropropane	18.3		µg/kg wet		20.0		92	70-130		
Dibromochloromethane	20.8		µg/kg wet		20.0		104	64.7-139		
1,2-Dibromoethane (EDB)	22.0		µg/kg wet		20.0		110	70-130		
Dibromomethane	21.2		µg/kg wet		20.0		106	70-130		
1,2-Dichlorobenzene	20.7		µg/kg wet		20.0		104	70-130		
1,3-Dichlorobenzene	20.2		µg/kg wet		20.0		101	70-130		
1,4-Dichlorobenzene	20.9		µg/kg wet		20.0		104	70-130		
Dichlorodifluoromethane (Freon12)	17.3		µg/kg wet		20.0		86	34.4-167		
1,1-Dichloroethane	25.2		µg/kg wet		20.0		126	70-130		
1,2-Dichloroethane	19.9		µg/kg wet		20.0		100	70-130		
1,1-Dichloroethene	24.3		µg/kg wet		20.0		122	70-130		
cis-1,2-Dichloroethene	27.0	QC1	µg/kg wet		20.0		135	70-130		
trans-1,2-Dichloroethene	25.1		µg/kg wet		20.0		126	70-130		
1,2-Dichloropropane	21.9		µg/kg wet		20.0		110	70-130		
1,3-Dichloropropane	21.6		µg/kg wet		20.0		108	70-130		
2,2-Dichloropropane	18.3		µg/kg wet		20.0		92	70-130		
1,1-Dichloropropene	21.5		µg/kg wet		20.0		108	70-130		
cis-1,3-Dichloropropene	20.1		µg/kg wet		20.0		100	70-130		
trans-1,3-Dichloropropene	20.5		µg/kg wet		20.0		102	70-130		
Ethylbenzene	20.3		µg/kg wet		20.0		102	70-130		
Hexachlorobutadiene	16.8		µg/kg wet		20.0		84	60.7-140		
2-Hexanone (MBK)	14.6		µg/kg wet		20.0		73	70-130		
Isopropylbenzene	19.0		µg/kg wet		20.0		95	70-130		
4-Isopropyltoluene	18.3		µg/kg wet		20.0		92	70-130		
Methyl tert-butyl ether	24.3		µg/kg wet		20.0		122	70-130		
4-Methyl-2-pentanone (MIBK)	18.3		µg/kg wet		20.0		92	46.1-145		
Methylene chloride	23.3		µg/kg wet		20.0		116	70-130		
Naphthalene	18.4		µg/kg wet		20.0		92	70-130		
n-Propylbenzene	15.6		µg/kg wet		20.0		78	70-130		
Styrene	21.9		µg/kg wet		20.0		110	70-130		
1,1,1,2-Tetrachloroethane	20.4		µg/kg wet		20.0		102	70-130		
1,1,2,2-Tetrachloroethane	21.0		µg/kg wet		20.0		105	70-130		
Tetrachloroethene	18.7		µg/kg wet		20.0		94	70-130		
Toluene	19.6		µg/kg wet		20.0		98	70-130		
1,2,3-Trichlorobenzene	18.2		µg/kg wet		20.0		91	70-130		
1,2,4-Trichlorobenzene	18.2		µg/kg wet		20.0		91	70-130		
1,1,1-Trichloroethane	18.7		µg/kg wet		20.0		94	70-130		
1,1,2-Trichloroethane	22.6		µg/kg wet		20.0		113	70-130		
Trichloroethene	21.2		µg/kg wet		20.0		106	70-130		
Trichlorofluoromethane (Freon 11)	20.3		µg/kg wet		20.0		102	56.8-140		
1,2,3-Trichloropropane	23.2		µg/kg wet		20.0		116	70-130		
1,2,4-Trimethylbenzene	20.0		µg/kg wet		20.0		100	70-130		
1,3,5-Trimethylbenzene	20.6		µg/kg wet		20.0		103	70-130		
Vinyl chloride	19.9		µg/kg wet		20.0		100	70-130		
m,p-Xylene	41.4		µg/kg wet		40.0		104	70-130		
o-Xylene	21.4		µg/kg wet		20.0		107	70-130		
Tetrahydrofuran	25.0		µg/kg wet		20.0		125	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040152 - SW846 5030 Soil (high level)										
LCS (7040152-BS1)										
Prepared & Analyzed: 03-Apr-07										
Ethyl ether	26.3	QC2	µg/kg wet		20.0		132	65.3-130		
Tert-amyl methyl ether	19.6		µg/kg wet		20.0		98	70-130		
Ethyl tert-butyl ether	23.3		µg/kg wet		20.0		116	70-130		
Di-isopropyl ether	22.9		µg/kg wet		20.0		114	70-130		
Tert-Butanol / butyl alcohol	236		µg/kg wet		200		118	70-130		
1,4-Dioxane	206		µg/kg wet		200		103	34-155		
Surrogate: 4-Bromofluorobenzene	*30.8*		µg/kg wet		*30.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*29.3*		µg/kg wet		*30.0*		*98*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*28.2*		µg/kg wet		*30.0*		*94*	*70-130*		
Surrogate: Dibromofluoromethane	*34.3*		µg/kg wet		*30.0*		*114*	*70-130*		
LCS Dup (7040152-BSD1)										
Prepared & Analyzed: 03-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.3		µg/kg wet		20.0		112	70-130	4	25
Acetone	18.3		µg/kg wet		20.0		92	1.77-175	7	50
Acrylonitrile	26.3	QC2	µg/kg wet		20.0		132	70-130	2	25
Benzene	21.7		µg/kg wet		20.0		108	70-130	2	25
Bromobenzene	21.4		µg/kg wet		20.0		107	70-130	0.9	25
Bromochloromethane	25.8		µg/kg wet		20.0		129	70-130	2	25
Bromodichloromethane	21.2		µg/kg wet		20.0		106	70-130	4	25
Bromoform	20.7		µg/kg wet		20.0		104	70-130	1	25
Bromomethane	26.1		µg/kg wet		20.0		130	55.3-136	2	50
2-Butanone (MEK)	19.6		µg/kg wet		20.0		98	38.8-142	6	50
n-Butylbenzene	16.1		µg/kg wet		20.0		80	70-130	2	25
sec-Butylbenzene	17.4		µg/kg wet		20.0		87	70-130	3	25
tert-Butylbenzene	18.5		µg/kg wet		20.0		92	70-130	4	25
Carbon disulfide	24.3		µg/kg wet		20.0		122	70-130	7	25
Carbon tetrachloride	15.8		µg/kg wet		20.0		79	70-130	7	25
Chlorobenzene	21.1		µg/kg wet		20.0		106	70-130	0	25
Chloroethane	24.7		µg/kg wet		20.0		124	55.3-130	0.8	50
Chloroform	23.6		µg/kg wet		20.0		118	70-130	0	25
Chloromethane	23.5		µg/kg wet		20.0		118	70-130	0	25
2-Chlorotoluene	19.0		µg/kg wet		20.0		95	70-130	1	25
4-Chlorotoluene	19.7		µg/kg wet		20.0		98	70-130	2	25
1,2-Dibromo-3-chloropropane	18.9		µg/kg wet		20.0		94	70-130	2	25
Dibromochloromethane	20.0		µg/kg wet		20.0		100	64.7-139	4	50
1,2-Dibromoethane (EDB)	21.2		µg/kg wet		20.0		106	70-130	4	25
Dibromomethane	20.4		µg/kg wet		20.0		102	70-130	4	25
1,2-Dichlorobenzene	21.6		µg/kg wet		20.0		108	70-130	4	25
1,3-Dichlorobenzene	20.0		µg/kg wet		20.0		100	70-130	1	25
1,4-Dichlorobenzene	21.5		µg/kg wet		20.0		108	70-130	4	25
Dichlorodifluoromethane (Freon12)	16.3		µg/kg wet		20.0		82	34.4-167	5	50
1,1-Dichloroethane	24.9		µg/kg wet		20.0		124	70-130	2	25
1,2-Dichloroethane	20.1		µg/kg wet		20.0		100	70-130	0	25
1,1-Dichloroethene	23.9		µg/kg wet		20.0		120	70-130	2	25
cis-1,2-Dichloroethene	25.7		µg/kg wet		20.0		128	70-130	5	25
trans-1,2-Dichloroethene	25.0		µg/kg wet		20.0		125	70-130	0.8	25
1,2-Dichloropropane	21.5		µg/kg wet		20.0		108	70-130	2	25
1,3-Dichloropropane	21.1		µg/kg wet		20.0		106	70-130	2	25
2,2-Dichloropropane	18.0		µg/kg wet		20.0		90	70-130	2	25
1,1-Dichloropropene	20.6		µg/kg wet		20.0		103	70-130	5	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040152 - SW846 5030 Soil (high level)										
LCS Dup (7040152-BSD1)										
Prepared & Analyzed: 03-Apr-07										
cis-1,3-Dichloropropene	18.9		µg/kg wet		20.0		94	70-130	6	25
trans-1,3-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130	6	25
Ethylbenzene	19.7		µg/kg wet		20.0		98	70-130	4	25
Hexachlorobutadiene	16.0		µg/kg wet		20.0		80	60.7-140	5	50
2-Hexanone (MBK)	13.8	QC1	µg/kg wet		20.0		69	70-130	6	25
Isopropylbenzene	18.3		µg/kg wet		20.0		92	70-130	3	25
4-Isopropyltoluene	18.4		µg/kg wet		20.0		92	70-130	0	25
Methyl tert-butyl ether	24.1		µg/kg wet		20.0		120	70-130	2	25
4-Methyl-2-pentanone (MIBK)	16.6		µg/kg wet		20.0		83	46.1-145	10	50
Methylene chloride	25.0		µg/kg wet		20.0		125	70-130	7	25
Naphthalene	18.6		µg/kg wet		20.0		93	70-130	1	25
n-Propylbenzene	14.5		µg/kg wet		20.0		72	70-130	8	25
Styrene	21.2		µg/kg wet		20.0		106	70-130	4	25
1,1,1,2-Tetrachloroethane	20.3		µg/kg wet		20.0		102	70-130	0	25
1,1,2,2-Tetrachloroethane	20.9		µg/kg wet		20.0		104	70-130	1	25
Tetrachloroethene	17.8		µg/kg wet		20.0		89	70-130	5	25
Toluene	19.1		µg/kg wet		20.0		96	70-130	2	25
1,2,3-Trichlorobenzene	18.1		µg/kg wet		20.0		90	70-130	1	25
1,2,4-Trichlorobenzene	18.0		µg/kg wet		20.0		90	70-130	1	25
1,1,1-Trichloroethane	18.1		µg/kg wet		20.0		90	70-130	4	25
1,1,2-Trichloroethane	21.6		µg/kg wet		20.0		108	70-130	5	25
Trichloroethene	21.1		µg/kg wet		20.0		106	70-130	0	25
Trichlorofluoromethane (Freon 11)	19.8		µg/kg wet		20.0		99	56.8-140	3	50
1,2,3-Trichloropropane	23.2		µg/kg wet		20.0		116	70-130	0	25
1,2,4-Trimethylbenzene	18.9		µg/kg wet		20.0		94	70-130	6	25
1,3,5-Trimethylbenzene	19.7		µg/kg wet		20.0		98	70-130	5	25
Vinyl chloride	20.2		µg/kg wet		20.0		101	70-130	1	25
m,p-Xylene	40.0		µg/kg wet		40.0		100	70-130	4	25
o-Xylene	21.3		µg/kg wet		20.0		106	70-130	0.9	25
Tetrahydrofuran	24.0		µg/kg wet		20.0		120	70-130	4	25
Ethyl ether	27.2	QC2	µg/kg wet		20.0		136	65.3-130	3	50
Tert-amyl methyl ether	20.2		µg/kg wet		20.0		101	70-130	3	25
Ethyl tert-butyl ether	23.3		µg/kg wet		20.0		116	70-130	0	25
Di-isopropyl ether	22.3		µg/kg wet		20.0		112	70-130	2	25
Tert-Butanol / butyl alcohol	236		µg/kg wet		200		118	70-130	0	25
1,4-Dioxane	190		µg/kg wet		200		95	34-155	8	25
Surrogate: 4-Bromofluorobenzene	*29.7*		µg/kg wet		*30.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*28.9*		µg/kg wet		*30.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.3*		µg/kg wet		*30.0*		*104*	*70-130*		
Surrogate: Dibromofluoromethane	*34.4*		µg/kg wet		*30.0*		*115*	*70-130*		
Matrix Spike (7040152-MS1) **Source: SA60023-01**										
Prepared & Analyzed: 03-Apr-07										
Benzene	18.5		µg/kg dry		20.0	BRL	92	70-130		
Chlorobenzene	18.5		µg/kg dry		20.0	BRL	92	70-130		
1,1-Dichloroethene	23.0		µg/kg dry		20.0	BRL	115	70-130		
Toluene	17.4		µg/kg dry		20.0	BRL	87	70-130		
Trichloroethene	18.2		µg/kg dry		20.0	BRL	91	70-130		
Surrogate: 4-Bromofluorobenzene	*29.6*		µg/kg dry		*30.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/kg dry		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*31.8*		µg/kg dry		*30.0*		*106*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040152 - SW846 5030 Soil (high level)										
Matrix Spike (7040152-MS1)	**Source: SA60023-01**									
Prepared & Analyzed: 03-Apr-07										
Surrogate: Dibromofluoromethane	*34.8*		µg/kg dry		*30.0*		*116*	*70-130*		
Matrix Spike Dup (7040152-MSD1)	**Source: SA60023-01**									
Prepared & Analyzed: 03-Apr-07										
Benzene	28.8	QM7	µg/kg dry		20.0	BRL	144	70-130	44	30
Chlorobenzene	27.4	QM7	µg/kg dry		20.0	BRL	137	70-130	39	30
1,1-Dichloroethene	33.2	QM7	µg/kg dry		20.0	BRL	166	70-130	36	30
Toluene	27.4	QM7	µg/kg dry		20.0	BRL	137	70-130	45	30
Trichloroethene	27.4	QM7	µg/kg dry		20.0	BRL	137	70-130	40	30
Surrogate: 4-Bromofluorobenzene	*29.4*		µg/kg dry		*30.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*31.2*		µg/kg dry		*30.0*		*104*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*32.8*		µg/kg dry		*30.0*		*109*	*70-130*		
Surrogate: Dibromofluoromethane	*35.6*		µg/kg dry		*30.0*		*119*	*70-130*		
Batch 7040211 - SW846 5035A Soil (low level)										
Blank (7040211-BLK1)										
Prepared & Analyzed: 04-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/kg wet	5.0						
Acetone	BRL	U	µg/kg wet	100						
Acrylonitrile	BRL	U	µg/kg wet	5.0						
Benzene	BRL	U	µg/kg wet	5.0						
Bromobenzene	BRL	U	µg/kg wet	5.0						
Bromochloromethane	BRL	U	µg/kg wet	5.0						
Bromodichloromethane	BRL	U	µg/kg wet	5.0						
Bromoform	BRL	U	µg/kg wet	5.0						
Bromomethane	BRL	U	µg/kg wet	10.0						
2-Butanone (MEK)	BRL	U	µg/kg wet	50.0						
n-Butylbenzene	BRL	U	µg/kg wet	5.0						
sec-Butylbenzene	BRL	U	µg/kg wet	5.0						
tert-Butylbenzene	BRL	U	µg/kg wet	5.0						
Carbon disulfide	BRL	U	µg/kg wet	25.0						
Carbon tetrachloride	BRL	U	µg/kg wet	5.0						
Chlorobenzene	BRL	U	µg/kg wet	5.0						
Chloroethane	BRL	U	µg/kg wet	10.0						
Chloroform	BRL	U	µg/kg wet	5.0						
Chloromethane	BRL	U	µg/kg wet	10.0						
2-Chlorotoluene	BRL	U	µg/kg wet	5.0						
4-Chlorotoluene	BRL	U	µg/kg wet	5.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/kg wet	10.0						
Dibromochloromethane	BRL	U	µg/kg wet	5.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/kg wet	5.0						
Dibromomethane	BRL	U	µg/kg wet	5.0						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	5.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/kg wet	10.0						
1,1-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,2-Dichloroethane	BRL	U	µg/kg wet	5.0						
1,1-Dichloroethene	BRL	U	µg/kg wet	5.0						
cis-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						
trans-1,2-Dichloroethene	BRL	U	µg/kg wet	5.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040211 - SW846 5035A Soil (low level)										
Blank (7040211-BLK1)										
Prepared & Analyzed: 04-Apr-07										
1,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,3-Dichloropropane	BRL	U	µg/kg wet	5.0						
2,2-Dichloropropane	BRL	U	µg/kg wet	5.0						
1,1-Dichloropropene	BRL	U	µg/kg wet	5.0						
cis-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
trans-1,3-Dichloropropene	BRL	U	µg/kg wet	5.0						
Ethylbenzene	BRL	U	µg/kg wet	5.0						
Hexachlorobutadiene	BRL	U	µg/kg wet	5.0						
2-Hexanone (MBK)	BRL	U	µg/kg wet	50.0						
Isopropylbenzene	BRL	U	µg/kg wet	5.0						
4-Isopropyltoluene	BRL	U	µg/kg wet	5.0						
Methyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/kg wet	50.0						
Methylene chloride	BRL	U	µg/kg wet	50.0						
Naphthalene	BRL	U	µg/kg wet	5.0						
n-Propylbenzene	BRL	U	µg/kg wet	5.0						
Styrene	BRL	U	µg/kg wet	5.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/kg wet	5.0						
Tetrachloroethene	BRL	U	µg/kg wet	5.0						
Toluene	BRL	U	µg/kg wet	5.0						
1,2,3-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	5.0						
1,1,1-Trichloroethane	BRL	U	µg/kg wet	5.0						
1,1,2-Trichloroethane	BRL	U	µg/kg wet	5.0						
Trichloroethene	BRL	U	µg/kg wet	5.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/kg wet	5.0						
1,2,3-Trichloropropane	BRL	U	µg/kg wet	5.0						
1,2,4-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
1,3,5-Trimethylbenzene	BRL	U	µg/kg wet	5.0						
Vinyl chloride	BRL	U	µg/kg wet	5.0						
m,p-Xylene	BRL	U	µg/kg wet	10.0						
o-Xylene	BRL	U	µg/kg wet	5.0						
Tetrahydrofuran	BRL	U	µg/kg wet	50.0						
Ethyl ether	BRL	U	µg/kg wet	5.0						
Tert-amyl methyl ether	BRL	U	µg/kg wet	5.0						
Ethyl tert-butyl ether	BRL	U	µg/kg wet	5.0						
Di-isopropyl ether	BRL	U	µg/kg wet	5.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/kg wet	50.0						
1,4-Dioxane	BRL	U	µg/kg wet	100						
Surrogate: 4-Bromofluorobenzene	*48.7*		µg/kg wet		*50.0*		*97*	*70-130*		
Surrogate: Toluene-d8	*49.8*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*53.6*		µg/kg wet		*50.0*		*107*	*70-130*		
Surrogate: Dibromofluoromethane	*50.1*		µg/kg wet		*50.0*		*100*	*70-130*		
LCS (7040211-BS1)										
Prepared & Analyzed: 04-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	19.6		µg/kg wet		20.0		98	70-130		
Acetone	25.7		µg/kg wet		20.0		128	1.77-175		
Acrylonitrile	28.4	QC2	µg/kg wet		20.0		142	70-130		
Benzene	17.8		µg/kg wet		20.0		89	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040211 - SW846 5035A Soil (low level)										
LCS (7040211-BS1)										
Prepared & Analyzed: 04-Apr-07										
Bromobenzene	20.2		µg/kg wet		20.0		101	70-130		
Bromochloromethane	20.6		µg/kg wet		20.0		103	70-130		
Bromodichloromethane	18.8		µg/kg wet		20.0		94	70-130		
Bromoform	22.9		µg/kg wet		20.0		114	70-130		
Bromomethane	21.6		µg/kg wet		20.0		108	55.3-136		
2-Butanone (MEK)	24.0		µg/kg wet		20.0		120	38.8-142		
n-Butylbenzene	20.2		µg/kg wet		20.0		101	70-130		
sec-Butylbenzene	18.5		µg/kg wet		20.0		92	70-130		
tert-Butylbenzene	18.3		µg/kg wet		20.0		92	70-130		
Carbon disulfide	16.2		µg/kg wet		20.0		81	70-130		
Carbon tetrachloride	15.1		µg/kg wet		20.0		76	70-130		
Chlorobenzene	18.7		µg/kg wet		20.0		94	70-130		
Chloroethane	18.0		µg/kg wet		20.0		90	55.3-130		
Chloroform	17.6		µg/kg wet		20.0		88	70-130		
Chloromethane	17.8		µg/kg wet		20.0		89	70-130		
2-Chlorotoluene	18.6		µg/kg wet		20.0		93	70-130		
4-Chlorotoluene	19.2		µg/kg wet		20.0		96	70-130		
1,2-Dibromo-3-chloropropane	23.8		µg/kg wet		20.0		119	70-130		
Dibromochloromethane	20.2		µg/kg wet		20.0		101	64.7-139		
1,2-Dibromoethane (EDB)	22.0		µg/kg wet		20.0		110	70-130		
Dibromomethane	21.0		µg/kg wet		20.0		105	70-130		
1,2-Dichlorobenzene	19.9		µg/kg wet		20.0		100	70-130		
1,3-Dichlorobenzene	20.3		µg/kg wet		20.0		102	70-130		
1,4-Dichlorobenzene	19.5		µg/kg wet		20.0		98	70-130		
Dichlorodifluoromethane (Freon12)	15.6		µg/kg wet		20.0		78	34.4-167		
1,1-Dichloroethane	17.3		µg/kg wet		20.0		86	70-130		
1,2-Dichloroethane	20.1		µg/kg wet		20.0		100	70-130		
1,1-Dichloroethene	17.6		µg/kg wet		20.0		88	70-130		
cis-1,2-Dichloroethene	18.9		µg/kg wet		20.0		94	70-130		
trans-1,2-Dichloroethene	17.2		µg/kg wet		20.0		86	70-130		
1,2-Dichloropropane	19.1		µg/kg wet		20.0		96	70-130		
1,3-Dichloropropane	21.5		µg/kg wet		20.0		108	70-130		
2,2-Dichloropropane	15.8		µg/kg wet		20.0		79	70-130		
1,1-Dichloropropene	18.1		µg/kg wet		20.0		90	70-130		
cis-1,3-Dichloropropene	19.2		µg/kg wet		20.0		96	70-130		
trans-1,3-Dichloropropene	20.4		µg/kg wet		20.0		102	70-130		
Ethylbenzene	18.1		µg/kg wet		20.0		90	70-130		
Hexachlorobutadiene	18.6		µg/kg wet		20.0		93	60.7-140		
2-Hexanone (MBK)	22.5		µg/kg wet		20.0		112	70-130		
Isopropylbenzene	17.1		µg/kg wet		20.0		86	70-130		
4-Isopropyltoluene	19.0		µg/kg wet		20.0		95	70-130		
Methyl tert-butyl ether	21.0		µg/kg wet		20.0		105	70-130		
4-Methyl-2-pentanone (MIBK)	24.6		µg/kg wet		20.0		123	46.1-145		
Methylene chloride	17.8		µg/kg wet		20.0		89	70-130		
Naphthalene	22.4		µg/kg wet		20.0		112	70-130		
n-Propylbenzene	18.3		µg/kg wet		20.0		92	70-130		
Styrene	19.5		µg/kg wet		20.0		98	70-130		
1,1,1,2-Tetrachloroethane	18.4		µg/kg wet		20.0		92	70-130		
1,1,2,2-Tetrachloroethane	22.8		µg/kg wet		20.0		114	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040211 - SW846 5035A Soil (low level)										
LCS (7040211-BS1)										
Prepared & Analyzed: 04-Apr-07										
Tetrachloroethene	18.5		µg/kg wet		20.0		92	70-130		
Toluene	18.0		µg/kg wet		20.0		90	70-130		
1,2,3-Trichlorobenzene	21.9		µg/kg wet		20.0		110	70-130		
1,2,4-Trichlorobenzene	21.9		µg/kg wet		20.0		110	70-130		
1,1,1-Trichloroethane	16.6		µg/kg wet		20.0		83	70-130		
1,1,2-Trichloroethane	22.8		µg/kg wet		20.0		114	70-130		
Trichloroethene	18.5		µg/kg wet		20.0		92	70-130		
Trichlorofluoromethane (Freon 11)	16.8		µg/kg wet		20.0		84	56.8-140		
1,2,3-Trichloropropane	26.5	QC1	µg/kg wet		20.0		132	70-130		
1,2,4-Trimethylbenzene	19.9		µg/kg wet		20.0		100	70-130		
1,3,5-Trimethylbenzene	18.8		µg/kg wet		20.0		94	70-130		
Vinyl chloride	22.1		µg/kg wet		20.0		110	70-130		
m,p-Xylene	37.5		µg/kg wet		40.0		94	70-130		
o-Xylene	18.9		µg/kg wet		20.0		94	70-130		
Tetrahydrofuran	27.2	QC1	µg/kg wet		20.0		136	70-130		
Ethyl ether	21.8		µg/kg wet		20.0		109	65.3-130		
Tert-amyl methyl ether	19.9		µg/kg wet		20.0		100	70-130		
Ethyl tert-butyl ether	20.3		µg/kg wet		20.0		102	70-130		
Di-isopropyl ether	18.4		µg/kg wet		20.0		92	70-130		
Tert-Butanol / butyl alcohol	310	QC2	µg/kg wet		200		155	70-130		
1,4-Dioxane	227		µg/kg wet		200		114	34-155		
Surrogate: 4-Bromofluorobenzene	*51.5*		µg/kg wet		*50.0*		*103*	*70-130*		
Surrogate: Toluene-d8	*50.3*		µg/kg wet		*50.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*59.9*		µg/kg wet		*50.0*		*120*	*70-130*		
Surrogate: Dibromofluoromethane	*52.4*		µg/kg wet		*50.0*		*105*	*70-130*		
LCS Dup (7040211-BSD1)										
Prepared & Analyzed: 04-Apr-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	17.2		µg/kg wet		20.0		86	70-130	13	25
Acetone	22.8		µg/kg wet		20.0		114	1.77-175	12	50
Acrylonitrile	27.1	QC2	µg/kg wet		20.0		136	70-130	4	25
Benzene	16.6		µg/kg wet		20.0		83	70-130	7	25
Bromobenzene	18.7		µg/kg wet		20.0		94	70-130	7	25
Bromochloromethane	19.8		µg/kg wet		20.0		99	70-130	4	25
Bromodichloromethane	17.5		µg/kg wet		20.0		88	70-130	7	25
Bromoform	20.7		µg/kg wet		20.0		104	70-130	9	25
Bromomethane	19.1		µg/kg wet		20.0		96	55.3-136	12	50
2-Butanone (MEK)	23.2		µg/kg wet		20.0		116	38.8-142	3	50
n-Butylbenzene	16.2		µg/kg wet		20.0		81	70-130	22	25
sec-Butylbenzene	16.1		µg/kg wet		20.0		80	70-130	14	25
tert-Butylbenzene	16.4		µg/kg wet		20.0		82	70-130	11	25
Carbon disulfide	15.2		µg/kg wet		20.0		76	70-130	6	25
Carbon tetrachloride	13.6	QC1	µg/kg wet		20.0		68	70-130	11	25
Chlorobenzene	17.2		µg/kg wet		20.0		86	70-130	9	25
Chloroethane	16.2		µg/kg wet		20.0		81	55.3-130	11	50
Chloroform	16.3		µg/kg wet		20.0		82	70-130	7	25
Chloromethane	16.9		µg/kg wet		20.0		84	70-130	6	25
2-Chlorotoluene	16.6		µg/kg wet		20.0		83	70-130	11	25
4-Chlorotoluene	16.8		µg/kg wet		20.0		84	70-130	13	25
1,2-Dibromo-3-chloropropane	19.7		µg/kg wet		20.0		98	70-130	19	25
Dibromochloromethane	18.5		µg/kg wet		20.0		92	64.7-139	9	50

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040211 - SW846 5035A Soil (low level)										
LCS Dup (7040211-BSD1)										
Prepared & Analyzed: 04-Apr-07										
1,2-Dibromoethane (EDB)	21.5		µg/kg wet		20.0		108	70-130	2	25
Dibromomethane	20.4		µg/kg wet		20.0		102	70-130	3	25
1,2-Dichlorobenzene	17.2		µg/kg wet		20.0		86	70-130	15	25
1,3-Dichlorobenzene	18.1		µg/kg wet		20.0		90	70-130	12	25
1,4-Dichlorobenzene	17.0		µg/kg wet		20.0		85	70-130	14	25
Dichlorodifluoromethane (Freon12)	14.1		µg/kg wet		20.0		70	34.4-167	11	50
1,1-Dichloroethane	16.1		µg/kg wet		20.0		80	70-130	7	25
1,2-Dichloroethane	19.0		µg/kg wet		20.0		95	70-130	5	25
1,1-Dichloroethene	16.6		µg/kg wet		20.0		83	70-130	6	25
cis-1,2-Dichloroethene	17.8		µg/kg wet		20.0		89	70-130	5	25
trans-1,2-Dichloroethene	16.1		µg/kg wet		20.0		80	70-130	7	25
1,2-Dichloropropane	17.8		µg/kg wet		20.0		89	70-130	8	25
1,3-Dichloropropane	20.5		µg/kg wet		20.0		102	70-130	6	25
2,2-Dichloropropane	14.7		µg/kg wet		20.0		74	70-130	7	25
1,1-Dichloropropene	16.8		µg/kg wet		20.0		84	70-130	7	25
cis-1,3-Dichloropropene	17.6		µg/kg wet		20.0		88	70-130	9	25
trans-1,3-Dichloropropene	18.8		µg/kg wet		20.0		94	70-130	8	25
Ethylbenzene	16.1		µg/kg wet		20.0		80	70-130	12	25
Hexachlorobutadiene	15.0		µg/kg wet		20.0		75	60.7-140	21	50
2-Hexanone (MBK)	21.5		µg/kg wet		20.0		108	70-130	4	25
Isopropylbenzene	15.5		µg/kg wet		20.0		78	70-130	10	25
4-Isopropyltoluene	16.1		µg/kg wet		20.0		80	70-130	17	25
Methyl tert-butyl ether	19.9		µg/kg wet		20.0		100	70-130	5	25
4-Methyl-2-pentanone (MIBK)	23.5		µg/kg wet		20.0		118	46.1-145	4	50
Methylene chloride	17.0		µg/kg wet		20.0		85	70-130	5	25
Naphthalene	20.7		µg/kg wet		20.0		104	70-130	7	25
n-Propylbenzene	16.0		µg/kg wet		20.0		80	70-130	14	25
Styrene	17.5		µg/kg wet		20.0		88	70-130	11	25
1,1,1,2-Tetrachloroethane	17.5		µg/kg wet		20.0		88	70-130	4	25
1,1,2,2-Tetrachloroethane	20.8		µg/kg wet		20.0		104	70-130	9	25
Tetrachloroethene	17.1		µg/kg wet		20.0		86	70-130	7	25
Toluene	16.4		µg/kg wet		20.0		82	70-130	9	25
1,2,3-Trichlorobenzene	18.7		µg/kg wet		20.0		94	70-130	16	25
1,2,4-Trichlorobenzene	18.3		µg/kg wet		20.0		92	70-130	18	25
1,1,1-Trichloroethane	15.3		µg/kg wet		20.0		76	70-130	9	25
1,1,2-Trichloroethane	20.8		µg/kg wet		20.0		104	70-130	9	25
Trichloroethene	17.0		µg/kg wet		20.0		85	70-130	8	25
Trichlorofluoromethane (Freon 11)	15.4		µg/kg wet		20.0		77	56.8-140	9	50
1,2,3-Trichloropropane	25.3		µg/kg wet		20.0		126	70-130	5	25
1,2,4-Trimethylbenzene	17.2		µg/kg wet		20.0		86	70-130	15	25
1,3,5-Trimethylbenzene	16.9		µg/kg wet		20.0		84	70-130	11	25
Vinyl chloride	20.3		µg/kg wet		20.0		102	70-130	8	25
m,p-Xylene	32.9		µg/kg wet		40.0		82	70-130	14	25
o-Xylene	17.2		µg/kg wet		20.0		86	70-130	9	25
Tetrahydrofuran	25.4		µg/kg wet		20.0		127	70-130	7	25
Ethyl ether	19.8		µg/kg wet		20.0		99	65.3-130	10	50
Tert-amyl methyl ether	18.2		µg/kg wet		20.0		91	70-130	9	25
Ethyl tert-butyl ether	19.2		µg/kg wet		20.0		96	70-130	6	25
Di-isopropyl ether	17.1		µg/kg wet		20.0		86	70-130	7	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040211 - SW846 5035A Soil (low level)										
LCS Dup (7040211-BSD1)										
Prepared & Analyzed: 04-Apr-07										
Tert-Butanol / butyl alcohol	290	QC2	µg/kg wet		200		145	70-130	7	25
1,4-Dioxane	259		µg/kg wet		200		130	34-155	13	25
Surrogate: 4-Bromofluorobenzene	*53.0*		µg/kg wet		*50.0*		*106*	*70-130*		
Surrogate: Toluene-d8	*50.2*		µg/kg wet		*50.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*60.6*		µg/kg wet		*50.0*		*121*	*70-130*		
Surrogate: Dibromofluoromethane	*51.7*		µg/kg wet		*50.0*		*103*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040091 - SW846 3550B										
Blank (7040091-BLK1)										
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Aldrin	BRL	U	µg/kg wet	14.3						
a-BHC	BRL	U	µg/kg wet	14.3						
b-BHC	BRL	U	µg/kg wet	14.3						
d-BHC	BRL	U	µg/kg wet	14.3						
g-BHC (Lindane)	BRL	U	µg/kg wet	14.3						
Chlordane	BRL	U	µg/kg wet	71.5						
4,4'-DDD (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDE (p,p')	BRL	U	µg/kg wet	14.3						
4,4'-DDT (p,p')	BRL	U	µg/kg wet	14.3						
Dieldrin	BRL	U	µg/kg wet	14.3						
Endosulfan I	BRL	U	µg/kg wet	14.3						
Endosulfan II	BRL	U	µg/kg wet	14.3						
Endosulfan Sulfate	BRL	U	µg/kg wet	14.3						
Endrin	BRL	U	µg/kg wet	14.3						
Endrin Aldehyde	BRL	U	µg/kg wet	14.3						
Heptachlor	BRL	U	µg/kg wet	14.3						
Methoxychlor	BRL	U	µg/kg wet	14.3						
Heptachlor Epoxide	BRL	U	µg/kg wet	14.3						
Toxaphene	BRL	U	µg/kg wet	71.5						
a-Chlordane	BRL	U	µg/kg wet	14.3						
g-Chlordane	BRL	U	µg/kg wet	14.3						
Endrin Ketone	BRL	U	µg/kg wet	14.3						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.1*		µg/kg wet		*28.6*		*56*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.9*		µg/kg wet		*28.6*		*80*	*30-150*		
LCS (7040091-BS1)										
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Aldrin	22.9		µg/kg wet	14.3	28.6		80	40-140		
a-BHC	20.9		µg/kg wet	14.3	28.6		73	40-140		
b-BHC	20.3		µg/kg wet	14.3	28.6		71	40-140		
d-BHC	14.9		µg/kg wet	14.3	28.6		52	40-140		
g-BHC (Lindane)	20.9		µg/kg wet	14.3	28.6		73	40-140		
4,4'-DDD (p,p')	21.3		µg/kg wet	14.3	28.6		74	40-140		
4,4'-DDE (p,p')	21.9		µg/kg wet	14.3	28.6		77	40-140		
4,4'-DDT (p,p')	22.5		µg/kg wet	14.3	28.6		79	40-140		
Dieldrin	21.9		µg/kg wet	14.3	28.6		77	40-140		
Endosulfan I	24.0		µg/kg wet	14.3	28.6		84	40-140		
Endosulfan II	23.4		µg/kg wet	14.3	28.6		82	40-140		
Endosulfan Sulfate	22.5		µg/kg wet	14.3	28.6		79	40-140		
Endrin	24.0		µg/kg wet	14.3	28.6		84	40-140		
Endrin Aldehyde	22.6		µg/kg wet	14.3	28.6		79	40-140		
Heptachlor	24.0		µg/kg wet	14.3	28.6		84	40-140		
Methoxychlor	25.8		µg/kg wet	14.3	28.6		90	40-140		
Heptachlor Epoxide	23.3		µg/kg wet	14.3	28.6		81	40-140		
a-Chlordane	22.7		µg/kg wet	14.3	28.6		79	40-140		
g-Chlordane	22.4		µg/kg wet	14.3	28.6		78	40-140		
Endrin Ketone	24.6		µg/kg wet	14.3	28.6		86	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.5*		µg/kg wet		*28.6*		*54*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*24.3*		µg/kg wet		*28.6*		*85*	*40-140*		
LCS Dup (7040091-BSD1)										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040091 - SW846 3550B										
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Aldrin	22.5		µg/kg wet	14.3	28.6		79	40-140	1	30
a-BHC	21.3		µg/kg wet	14.3	28.6		74	40-140	1	30
b-BHC	20.1		µg/kg wet	14.3	28.6		70	40-140	1	30
d-BHC	14.8		µg/kg wet	14.3	28.6		52	40-140	0	30
g-BHC (Lindane)	21.3		µg/kg wet	14.3	28.6		74	40-140	1	30
4,4'-DDD (p,p')	21.2		µg/kg wet	14.3	28.6		74	40-140	0	30
4,4'-DDE (p,p')	21.3		µg/kg wet	14.3	28.6		74	40-140	4	30
4,4'-DDT (p,p')	21.6		µg/kg wet	14.3	28.6		76	40-140	4	30
Dieldrin	21.7		µg/kg wet	14.3	28.6		76	40-140	1	30
Endosulfan I	23.3		µg/kg wet	14.3	28.6		81	40-140	4	30
Endosulfan II	23.8		µg/kg wet	14.3	28.6		83	40-140	1	30
Endosulfan Sulfate	22.2		µg/kg wet	14.3	28.6		78	40-140	1	30
Endrin	23.8		µg/kg wet	14.3	28.6		83	40-140	1	30
Endrin Aldehyde	22.0		µg/kg wet	14.3	28.6		77	40-140	3	30
Heptachlor	23.9		µg/kg wet	14.3	28.6		84	40-140	0	30
Methoxychlor	26.6		µg/kg wet	14.3	28.6		93	40-140	3	30
Heptachlor Epoxide	23.1		µg/kg wet	14.3	28.6		81	40-140	0	30
a-Chlordane	22.2		µg/kg wet	14.3	28.6		78	40-140	1	30
g-Chlordane	22.1		µg/kg wet	14.3	28.6		77	40-140	1	30
Endrin Ketone	25.3		µg/kg wet	14.3	28.6		88	40-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*15.8*		µg/kg wet		*28.6*		*55*	*40-140*		
Surrogate: Decachlorobiphenyl (Sr)	*23.3*		µg/kg wet		*28.6*		*81*	*40-140*		
Duplicate (7040091-DUP1) **Source: SA60023-04**										
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Aldrin	BRL	U	µg/kg dry	15.4		BRL				30
a-BHC	BRL	U	µg/kg dry	15.4		BRL				30
b-BHC	BRL	U	µg/kg dry	15.4		BRL				30
d-BHC	BRL	U	µg/kg dry	15.4		BRL				30
g-BHC (Lindane)	BRL	U	µg/kg dry	15.4		BRL				30
Chlordane	BRL	U	µg/kg dry	77.2		BRL				30
4,4'-DDD (p,p')	BRL	U	µg/kg dry	15.4		BRL				30
4,4'-DDE (p,p')	BRL	U	µg/kg dry	15.4		BRL				30
4,4'-DDT (p,p')	BRL	U	µg/kg dry	15.4		BRL				30
Dieldrin	BRL	U	µg/kg dry	15.4		BRL				30
Endosulfan I	BRL	U	µg/kg dry	15.4		BRL				30
Endosulfan II	BRL	U	µg/kg dry	15.4		BRL				30
Endosulfan Sulfate	BRL	U	µg/kg dry	15.4		BRL				30
Endrin	BRL	U	µg/kg dry	15.4		BRL				30
Endrin Aldehyde	BRL	U	µg/kg dry	15.4		BRL				30
Heptachlor	BRL	U	µg/kg dry	15.4		BRL				30
Methoxychlor	BRL	U	µg/kg dry	15.4		BRL				30
Heptachlor Epoxide	BRL	U	µg/kg dry	15.4		BRL				30
Toxaphene	BRL	U	µg/kg dry	77.2		BRL				30
a-Chlordane	BRL	U	µg/kg dry	15.4		BRL				30
g-Chlordane	BRL	U	µg/kg dry	15.4		BRL				30
Endrin Ketone	BRL	U	µg/kg dry	15.4		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.6*		µg/kg dry		*30.8*		*57*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.8*		µg/kg dry		*30.8*		*81*	*30-150*		
Matrix Spike (7040091-MS1) **Source: SA60023-04**										
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Aldrin	22.6		µg/kg dry	15.3	30.5	BRL	74	30-150		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040091 - SW846 3550B										
Matrix Spike (7040091-MS1)	**Source: SA60023-04**									
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
a-BHC	20.1		µg/kg dry	15.3	30.5	BRL	66	30-150		
b-BHC	20.3		µg/kg dry	15.3	30.5	BRL	67	30-150		
d-BHC	17.4		µg/kg dry	15.3	30.5	BRL	57	30-150		
g-BHC (Lindane)	21.5		µg/kg dry	15.3	30.5	BRL	70	30-150		
4,4'-DDD (p,p')	21.7		µg/kg dry	15.3	30.5	BRL	71	30-150		
4,4'-DDE (p,p')	23.4		µg/kg dry	15.3	30.5	BRL	77	30-150		
4,4'-DDT (p,p')	28.6		µg/kg dry	15.3	30.5	BRL	94	30-150		
Dieldrin	20.9		µg/kg dry	15.3	30.5	BRL	69	30-150		
Endosulfan I	23.9		µg/kg dry	15.3	30.5	BRL	78	30-150		
Endosulfan II	24.1		µg/kg dry	15.3	30.5	BRL	79	30-150		
Endosulfan Sulfate	22.8		µg/kg dry	15.3	30.5	BRL	75	30-150		
Endrin	26.5		µg/kg dry	15.3	30.5	BRL	87	30-150		
Endrin Aldehyde	21.4		µg/kg dry	15.3	30.5	BRL	70	30-150		
Heptachlor	24.8		µg/kg dry	15.3	30.5	BRL	81	30-150		
Methoxychlor	29.6		µg/kg dry	15.3	30.5	BRL	97	30-150		
Heptachlor Epoxide	24.0		µg/kg dry	15.3	30.5	BRL	79	30-150		
a-Chlordane	23.5		µg/kg dry	15.3	30.5	BRL	77	30-150		
g-Chlordane	23.4		µg/kg dry	15.3	30.5	BRL	77	30-150		
Endrin Ketone	24.3		µg/kg dry	15.3	30.5	BRL	80	30-150		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*14.9*		µg/kg dry		*30.5*		*49*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.2*		µg/kg dry		*30.5*		*76*	*30-150*		
Matrix Spike Dup (7040091-MSD1)	**Source: SA60023-04**									
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Aldrin	26.1		µg/kg dry	15.6	31.1	BRL	84	30-150	13	30
a-BHC	23.8		µg/kg dry	15.6	31.1	BRL	77	30-150	15	30
b-BHC	23.2		µg/kg dry	15.6	31.1	BRL	75	30-150	11	30
d-BHC	21.1		µg/kg dry	15.6	31.1	BRL	68	30-150	18	30
g-BHC (Lindane)	24.6		µg/kg dry	15.6	31.1	BRL	79	30-150	12	30
4,4'-DDD (p,p')	25.2		µg/kg dry	15.6	31.1	BRL	81	30-150	13	30
4,4'-DDE (p,p')	25.8		µg/kg dry	15.6	31.1	BRL	83	30-150	8	30
4,4'-DDT (p,p')	31.0		µg/kg dry	15.6	31.1	BRL	100	30-150	6	30
Dieldrin	25.6		µg/kg dry	15.6	31.1	BRL	82	30-150	17	30
Endosulfan I	27.1		µg/kg dry	15.6	31.1	BRL	87	30-150	11	30
Endosulfan II	27.2		µg/kg dry	15.6	31.1	BRL	87	30-150	10	30
Endosulfan Sulfate	27.1		µg/kg dry	15.6	31.1	BRL	87	30-150	15	30
Endrin	29.0		µg/kg dry	15.6	31.1	BRL	93	30-150	7	30
Endrin Aldehyde	24.0		µg/kg dry	15.6	31.1	BRL	77	30-150	10	30
Heptachlor	28.0		µg/kg dry	15.6	31.1	BRL	90	30-150	11	30
Methoxychlor	34.7		µg/kg dry	15.6	31.1	BRL	112	30-150	14	30
Heptachlor Epoxide	26.8		µg/kg dry	15.6	31.1	BRL	86	30-150	8	30
a-Chlordane	26.6		µg/kg dry	15.6	31.1	BRL	86	30-150	11	50
g-Chlordane	26.9		µg/kg dry	15.6	31.1	BRL	86	30-150	11	50
Endrin Ketone	29.9		µg/kg dry	15.6	31.1	BRL	96	30-150	18	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.7*		µg/kg dry		*31.1*		*57*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.1*		µg/kg dry		*31.1*		*81*	*30-150*		
Batch 7040092 - SW846 3550B										
Blank (7040092-BLK1)										
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
PCB 1016	BRL	U	µg/kg wet	28.6						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040092 - SW846 3550B										
Blank (7040092-BLK1)										
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
PCB 1221	BRL	U	µg/kg wet	28.6						
PCB 1232	BRL	U	µg/kg wet	28.6						
PCB 1242	BRL	U	µg/kg wet	28.6						
PCB 1248	BRL	U	µg/kg wet	28.6						
PCB 1254	BRL	U	µg/kg wet	28.6						
PCB 1260	BRL	U	µg/kg wet	28.6						
PCB 1262	BRL	U	µg/kg wet	28.6						
PCB 1268	BRL	U	µg/kg wet	28.6						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*34.3*		µg/kg wet		*28.6*		*120*	*30-150*		
LCS (7040092-BS1)										
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
PCB 1016	364		µg/kg wet	28.6	357		102	40-140		
PCB 1260	407		µg/kg wet	28.6	357		114	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.6*		µg/kg wet		*28.6*		*100*	*30-150*		
LCS Dup (7040092-BSD1)										
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
PCB 1016	409		µg/kg wet	28.6	357		115	40-140	12	30
PCB 1260	433		µg/kg wet	28.6	357		121	40-140	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*28.6*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*30.0*		µg/kg wet		*28.6*		*105*	*30-150*		
Duplicate (7040092-DUP1) **Source: SA60023-04**										
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
PCB 1016	BRL	U	µg/kg dry	30.9		BRL				40
PCB 1221	BRL	U	µg/kg dry	30.9		BRL				40
PCB 1232	BRL	U	µg/kg dry	30.9		BRL				40
PCB 1242	BRL	U	µg/kg dry	30.9		BRL				40
PCB 1248	BRL	U	µg/kg dry	30.9		BRL				40
PCB 1254	BRL	U	µg/kg dry	30.9		BRL				40
PCB 1260	BRL	U	µg/kg dry	30.9		BRL				40
PCB 1262	BRL	U	µg/kg dry	30.9		BRL				40
PCB 1268	BRL	U	µg/kg dry	30.9		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg dry		*30.8*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*27.8*		µg/kg dry		*30.8*		*90*	*30-150*		
Matrix Spike (7040092-MS1) **Source: SA60023-04**										
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
PCB 1016	403		µg/kg dry	30.7	383	BRL	105	40-140		
PCB 1260	445		µg/kg dry	30.7	383	BRL	116	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.9*		µg/kg dry		*30.7*		*55*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*29.1*		µg/kg dry		*30.7*		*95*	*30-150*		
Matrix Spike Dup (7040092-MSD1) **Source: SA60023-04**										
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
PCB 1016	397		µg/kg dry	31.7	396	BRL	100	40-140	5	50
PCB 1260	424		µg/kg dry	31.7	396	BRL	107	40-140	8	50
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.0*		µg/kg dry		*31.7*		*60*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.5*		µg/kg dry		*31.7*		*90*	*30-150*		
Batch 7040189 - SW846 3550B										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040189 - SW846 3550B										
Blank (7040189-BLK1)										
Prepared & Analyzed: 04-Apr-07										
2,4-D	BRL	U	µg/kg wet	6.70						
2,4,5-T	BRL	U	µg/kg wet	6.70						
2,4,5-TP (Silvex)	BRL	U	µg/kg wet	6.70						
2,4-DB	BRL	U	µg/kg wet	6.70						
Dalapon	BRL	U	µg/kg wet	6.70						
Dicamba	BRL	U	µg/kg wet	6.70						
Dinoseb	BRL	U	µg/kg wet	6.70						
Dichlorprop	BRL	U	µg/kg wet	6.70						
MCPB	BRL	U	µg/kg wet	670						
MCPA	BRL	U	µg/kg wet	670						
MCPP	BRL	U	µg/kg wet	670						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*5.93*		µg/kg wet		*13.3*		*45*	*30-150*		
LCS (7040189-BS1)										
Prepared & Analyzed: 04-Apr-07										
2,4-D	26.9		µg/kg wet	6.70	33.3		81	40-140		
2,4,5-T	31.5		µg/kg wet	6.70	33.3		95	40-140		
2,4,5-TP (Silvex)	29.9		µg/kg wet	6.70	33.3		90	40-140		
2,4-DB	30.5		µg/kg wet	6.70	33.3		92	40-140		
Dalapon	36.0		µg/kg wet	6.70	33.3		108	40-140		
Dicamba	30.4		µg/kg wet	6.70	33.3		91	40-140		
Dinoseb	32.8		µg/kg wet	6.70	33.3		98	40-140		
Dichlorprop	30.6		µg/kg wet	6.70	33.3		92	40-140		
MCPB	10100		µg/kg wet	670	10000		101	40-140		
MCPA	8420		µg/kg wet	670	10000		84	40-140		
MCPP	8760		µg/kg wet	670	10000		88	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.1*		µg/kg wet		*13.3*		*136*	*30-150*		
LCS Dup (7040189-BSD1)										
Prepared & Analyzed: 04-Apr-07										
2,4-D	27.5		µg/kg wet	6.70	33.3		83	40-140	2	25
2,4,5-T	31.2		µg/kg wet	6.70	33.3		94	40-140	1	25
2,4,5-TP (Silvex)	29.3		µg/kg wet	6.70	33.3		88	40-140	2	25
2,4-DB	27.3		µg/kg wet	6.70	33.3		82	40-140	11	25
Dalapon	35.9		µg/kg wet	6.70	33.3		108	40-140	0	25
Dicamba	30.7		µg/kg wet	6.70	33.3		92	40-140	1	25
Dinoseb	32.6		µg/kg wet	6.70	33.3		98	40-140	0	25
Dichlorprop	30.5		µg/kg wet	6.70	33.3		92	40-140	0	25
MCPB	10500		µg/kg wet	670	10000		105	40-140	4	25
MCPA	8970		µg/kg wet	670	10000		90	40-140	7	25
MCPP	9070		µg/kg wet	670	10000		91	40-140	3	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.9*		µg/kg wet		*13.3*		*135*	*30-150*		
Duplicate (7040189-DUP1) **Source: SA60023-04**										
Prepared & Analyzed: 04-Apr-07										
2,4-D	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-T	BRL	U	µg/kg dry	6.70		BRL				30
2,4,5-TP (Silvex)	BRL	U	µg/kg dry	6.70		BRL				30
2,4-DB	BRL	U	µg/kg dry	6.70		BRL				30
Dalapon	BRL	U	µg/kg dry	6.70		BRL				30
Dicamba	BRL	U	µg/kg dry	6.70		BRL				30
Dinoseb	BRL	U	µg/kg dry	6.70		BRL				30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040189 - SW846 3550B										
Duplicate (7040189-DUP1)	**Source: SA60023-04**									
Prepared & Analyzed: 04-Apr-07										
Dichlorprop	BRL	U	µg/kg dry	6.70		BRL				30
MCPB	BRL	U	µg/kg dry	670		BRL				30
MCPA	BRL	U	µg/kg dry	670		BRL				30
MCPP	BRL	U	µg/kg dry	670		BRL				30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*8.66*		µg/kg dry		*15.1*		*57*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040095 - SW846 3550B										
Blank (7040095-BLK1)										
Prepared: 03-Apr-07 Analyzed: 05-Apr-07										
Acenaphthene	BRL	U	µg/kg wet	330						
Acenaphthylene	BRL	U	µg/kg wet	330						
Aniline	BRL	U	µg/kg wet	330						
Anthracene	BRL	U	µg/kg wet	330						
Atrazine	BRL	U	µg/kg wet	330						
Azobenzene/Diphenyldiazine	BRL	U	µg/kg wet	330						
Benzidine	BRL	U	µg/kg wet	330						
Benzo (a) anthracene	BRL	U	µg/kg wet	330						
Benzo (a) pyrene	BRL	U	µg/kg wet	330						
Benzo (b) fluoranthene	BRL	U	µg/kg wet	330						
Benzo (g,h,i) perylene	BRL	U	µg/kg wet	330						
Benzo (k) fluoranthene	BRL	U	µg/kg wet	330						
Benzoic acid	BRL	U	µg/kg wet	330						
Benzyl alcohol	BRL	U	µg/kg wet	330						
Bis(2-chloroethoxy)methane	BRL	U	µg/kg wet	330						
Bis(2-chloroethyl)ether	BRL	U	µg/kg wet	330						
Bis(2-chloroisopropyl)ether	BRL	U	µg/kg wet	330						
Bis(2-ethylhexyl)phthalate	BRL	U	µg/kg wet	330						
4-Bromophenyl phenyl ether	BRL	U	µg/kg wet	330						
Butyl benzyl phthalate	BRL	U	µg/kg wet	330						
Carbazole	BRL	U	µg/kg wet	330						
4-Chloro-3-methylphenol	BRL	U	µg/kg wet	330						
4-Chloroaniline	BRL	U	µg/kg wet	330						
2-Chloronaphthalene	BRL	U	µg/kg wet	330						
2-Chlorophenol	BRL	U	µg/kg wet	330						
4-Chlorophenyl phenyl ether	BRL	U	µg/kg wet	330						
Chrysene	BRL	U	µg/kg wet	330						
Dibenzo (a,h) anthracene	BRL	U	µg/kg wet	330						
Dibenzofuran	BRL	U	µg/kg wet	330						
1,2-Dichlorobenzene	BRL	U	µg/kg wet	330						
1,3-Dichlorobenzene	BRL	U	µg/kg wet	330						
1,4-Dichlorobenzene	BRL	U	µg/kg wet	330						
3,3´-Dichlorobenzidine	BRL	U	µg/kg wet	330						
2,4-Dichlorophenol	BRL	U	µg/kg wet	330						
Diethyl phthalate	BRL	U	µg/kg wet	330						
Dimethyl phthalate	BRL	U	µg/kg wet	330						
2,4-Dimethylphenol	BRL	U	µg/kg wet	330						
Di-n-butyl phthalate	BRL	U	µg/kg wet	330						
4,6-Dinitro-2-methylphenol	BRL	U	µg/kg wet	330						
2,4-Dinitrophenol	BRL	U	µg/kg wet	330						
2,4-Dinitrotoluene	BRL	U	µg/kg wet	330						
2,6-Dinitrotoluene	BRL	U	µg/kg wet	330						
Di-n-octyl phthalate	BRL	U	µg/kg wet	330						
Fluoranthene	BRL	U	µg/kg wet	330						
Fluorene	BRL	U	µg/kg wet	330						
Hexachlorobenzene	BRL	U	µg/kg wet	330						
Hexachlorobutadiene	BRL	U	µg/kg wet	330						
Hexachlorocyclopentadiene	BRL	U	µg/kg wet	330						
Hexachloroethane	BRL	U	µg/kg wet	330						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040095 - SW846 3550B										
Blank (7040095-BLK1)										
Prepared: 03-Apr-07 Analyzed: 05-Apr-07										
Indeno (1,2,3-cd) pyrene	BRL	U	µg/kg wet	330						
Isophorone	BRL	U	µg/kg wet	330						
1-Methylnaphthalene	BRL	U	µg/kg wet	330						
2-Methylnaphthalene	BRL	U	µg/kg wet	330						
2-Methylphenol	BRL	U	µg/kg wet	330						
3,4-Methylphenol	BRL	U	µg/kg wet	330						
Naphthalene	BRL	U	µg/kg wet	330						
2-Nitroaniline	BRL	U	µg/kg wet	330						
3-Nitroaniline	BRL	U	µg/kg wet	330						
4-Nitroaniline	BRL	U	µg/kg wet	1320						
Nitrobenzene	BRL	U	µg/kg wet	330						
2-Nitrophenol	BRL	U	µg/kg wet	330						
4-Nitrophenol	BRL	U	µg/kg wet	1320						
N-Nitrosodimethylamine	BRL	U	µg/kg wet	330						
N-Nitrosodi-n-propylamine	BRL	U	µg/kg wet	330						
N-Nitrosodiphenylamine	BRL	U	µg/kg wet	330						
Pentachlorophenol	BRL	U	µg/kg wet	1320						
Phenanthrene	BRL	U	µg/kg wet	330						
Phenol	BRL	U	µg/kg wet	330						
Pyrene	BRL	U	µg/kg wet	330						
Pyridine	BRL	U	µg/kg wet	330						
1,2,4-Trichlorobenzene	BRL	U	µg/kg wet	330						
2,4,5-Trichlorophenol	BRL	U	µg/kg wet	330						
2,4,6-Trichlorophenol	BRL	U	µg/kg wet	330						
Surrogate: 2-Fluorobiphenyl	*4310*		µg/kg wet		*6670*		*65*	*30-130*		
Surrogate: 2-Fluorophenol	*4500*		µg/kg wet		*6670*		*67*	*15-110*		
Surrogate: Nitrobenzene-d5	*4280*		µg/kg wet		*6670*		*64*	*30-130*		
Surrogate: Phenol-d5	*4260*		µg/kg wet		*6670*		*64*	*15-110*		
Surrogate: Terphenyl-dl4	*4640*		µg/kg wet		*6670*		*70*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*3920*		µg/kg wet		*6670*		*59*	*15-110*		
LCS (7040095-BS1)										
Prepared: 03-Apr-07 Analyzed: 05-Apr-07										
Acenaphthene	4150		µg/kg wet	330	6670		62	40-130		
Acenaphthylene	4360		µg/kg wet	330	6670		65	40-130		
Aniline	5650		µg/kg wet	330	6670		85	40-130		
Anthracene	4430		µg/kg wet	330	6670		66	40-130		
Atrazine	7070		µg/kg wet	330	6670		106	40-130		
Azobenzene/Diphenyldiazine	5030		µg/kg wet	330	6670		75	40-130		
Benzidine	BRL	U	µg/kg wet	330	6670			0-130		
Benzo (a) anthracene	4430		µg/kg wet	330	6670		66	40-130		
Benzo (a) pyrene	4430		µg/kg wet	330	6670		66	40-130		
Benzo (b) fluoranthene	4160		µg/kg wet	330	6670		62	40-130		
Benzo (g,h,i) perylene	4140		µg/kg wet	330	6670		62	40-130		
Benzo (k) fluoranthene	4410		µg/kg wet	330	6670		66	40-130		
Benzoic acid	3960		µg/kg wet	330	6670		59	0-130		
Benzyl alcohol	3300		µg/kg wet	330	6670		49	40-130		
Bis(2-chloroethoxy)methane	4140		µg/kg wet	330	6670		62	40-130		
Bis(2-chloroethyl)ether	3750		µg/kg wet	330	6670		56	40-130		
Bis(2-chloroisopropyl)ether	4660		µg/kg wet	330	6670		70	40-130		
Bis(2-ethylhexyl)phthalate	4530		µg/kg wet	330	6670		68	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040095 - SW846 3550B										
LCS (7040095-BS1)										
Prepared: 03-Apr-07 Analyzed: 05-Apr-07										
4-Bromophenyl phenyl ether	4510		µg/kg wet	330	6670		68	40-130		
Butyl benzyl phthalate	4390		µg/kg wet	330	6670		66	40-130		
Carbazole	5300		µg/kg wet	330	6670		79	40-130		
4-Chloro-3-methylphenol	3910		µg/kg wet	330	6670		59	40-130		
4-Chloroaniline	3890		µg/kg wet	330	6670		58	40-130		
2-Chloronaphthalene	4200		µg/kg wet	330	6670		63	40-130		
2-Chlorophenol	3650		µg/kg wet	330	6670		55	40-130		
4-Chlorophenyl phenyl ether	4180		µg/kg wet	330	6670		63	40-130		
Chrysene	4360		µg/kg wet	330	6670		65	40-130		
Dibenzo (a,h) anthracene	4400		µg/kg wet	330	6670		66	40-130		
Dibenzofuran	4270		µg/kg wet	330	6670		64	40-130		
1,2-Dichlorobenzene	3840		µg/kg wet	330	6670		58	40-130		
1,3-Dichlorobenzene	3790		µg/kg wet	330	6670		57	40-130		
1,4-Dichlorobenzene	3780		µg/kg wet	330	6670		57	40-130		
3,3´-Dichlorobenzidine	4290		µg/kg wet	330	6670		64	40-130		
2,4-Dichlorophenol	3720		µg/kg wet	330	6670		56	40-130		
Diethyl phthalate	4170		µg/kg wet	330	6670		63	40-130		
Dimethyl phthalate	4180		µg/kg wet	330	6670		63	40-130		
2,4-Dimethylphenol	3490		µg/kg wet	330	6670		52	40-130		
Di-n-butyl phthalate	3980		µg/kg wet	330	6670		60	40-130		
4,6-Dinitro-2-methylphenol	4200		µg/kg wet	330	6670		63	40-130		
2,4-Dinitrophenol	3540		µg/kg wet	330	6670		53	40-130		
2,4-Dinitrotoluene	4660		µg/kg wet	330	6670		70	40-130		
2,6-Dinitrotoluene	4660		µg/kg wet	330	6670		70	40-130		
Di-n-octyl phthalate	4690		µg/kg wet	330	6670		70	40-130		
Fluoranthene	4230		µg/kg wet	330	6670		63	40-130		
Fluorene	4160		µg/kg wet	330	6670		62	40-130		
Hexachlorobenzene	4430		µg/kg wet	330	6670		66	40-130		
Hexachlorobutadiene	3820		µg/kg wet	330	6670		57	40-130		
Hexachlorocyclopentadiene	4350		µg/kg wet	330	6670		65	40-130		
Hexachloroethane	3850		µg/kg wet	330	6670		58	40-130		
Indeno (1,2,3-cd) pyrene	3770		µg/kg wet	330	6670		57	40-130		
1-Methylnaphthalene	4060		µg/kg wet	330	6670		61	40-140		
Isophorone	4340		µg/kg wet	330	6670		65	40-130		
2-Methylnaphthalene	4040		µg/kg wet	330	6670		61	40-130		
2-Methylphenol	3620		µg/kg wet	330	6670		54	40-130		
3,4-Methylphenol	4740		µg/kg wet	330	6670		71	40-130		
Naphthalene	3990		µg/kg wet	330	6670		60	40-130		
2-Nitroaniline	4870		µg/kg wet	330	6670		73	40-130		
3-Nitroaniline	4450		µg/kg wet	330	6670		67	40-130		
4-Nitroaniline	4960		µg/kg wet	1320	6670		74	40-130		
Nitrobenzene	4140		µg/kg wet	330	6670		62	40-130		
2-Nitrophenol	3880		µg/kg wet	330	6670		58	40-130		
4-Nitrophenol	3550		µg/kg wet	1320	6670		53	40-130		
N-Nitrosodimethylamine	3900		µg/kg wet	330	6670		58	40-130		
N-Nitrosodi-n-propylamine	2930		µg/kg wet	330	6670		44	40-130		
N-Nitrosodiphenylamine	4770		µg/kg wet	330	6670		72	40-130		
Pentachlorophenol	4240		µg/kg wet	1320	6670		64	40-130		
Phenanthrene	4400		µg/kg wet	330	6670		66	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040095 - SW846 3550B										
LCS (7040095-BS1)										
Prepared: 03-Apr-07 Analyzed: 05-Apr-07										
Phenol	3810		µg/kg wet	330	6670		57	40-130		
Pyrene	4370		µg/kg wet	330	6670		66	40-130		
Pyridine	2790		µg/kg wet	330	6670		42	40-130		
1,2,4-Trichlorobenzene	3910		µg/kg wet	330	6670		59	40-130		
2,4,5-Trichlorophenol	3830		µg/kg wet	330	6670		57	40-130		
2,4,6-Trichlorophenol	3630		µg/kg wet	330	6670		54	40-130		
Surrogate: 2-Fluorobiphenyl	*4330*		µg/kg wet		*6670*		*65*	*30-130*		
Surrogate: 2-Fluorophenol	*3890*		µg/kg wet		*6670*		*58*	*15-110*		
Surrogate: Nitrobenzene-d5	*4350*		µg/kg wet		*6670*		*65*	*30-130*		
Surrogate: Phenol-d5	*3790*		µg/kg wet		*6670*		*57*	*15-110*		
Surrogate: Terphenyl-dl4	*4670*		µg/kg wet		*6670*		*70*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*4750*		µg/kg wet		*6670*		*71*	*15-110*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040143 - SW846 3050B										
Blank (7040143-BLK1)										
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Thallium	BRL	U	mg/kg wet	1.38						
Nickel	BRL	U	mg/kg wet	0.460						
Lead	BRL	U	mg/kg wet	0.690						
Sodium	BRL	U	mg/kg wet	11.5						
Manganese	BRL	U	mg/kg wet	0.0921						
Vanadium	BRL	U	mg/kg wet	0.460						
Selenium	BRL	U	mg/kg wet	1.38						
Magnesium	BRL	U	mg/kg wet	2.30						
Potassium	16.9	QB1	mg/kg wet	11.5						
Antimony	BRL	U	mg/kg wet	1.38						
Iron	1.13	QB1	mg/kg wet	0.460						
Zinc	0.198	J	mg/kg wet	0.460						
Chromium	BRL	U	mg/kg wet	0.460						
Copper	BRL	U	mg/kg wet	0.460						
Cobalt	BRL	U	mg/kg wet	0.460						
Cadmium	BRL	U	mg/kg wet	0.230						
Calcium	BRL	U	mg/kg wet	4.60						
Beryllium	BRL	U	mg/kg wet	0.184						
Arsenic	BRL	U	mg/kg wet	4.14						
Aluminum	BRL	U	mg/kg wet	1.38						
Silver	BRL	U	mg/kg wet	0.921						
Barium	BRL	U	mg/kg wet	0.460						
Duplicate (7040143-DUP1)	**Source: SA60023-01**									
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Vanadium	11.0	QR6	mg/kg dry	0.518		14.3			26	20
Magnesium	9330	QM2	mg/kg dry	13.0		11500			21	20
Zinc	43.4	QR6	mg/kg dry	0.518		26.3			49	20
Sodium	111	QR6	mg/kg dry	13.0		177			46	20
Thallium	BRL	U	mg/kg dry	1.56		BRL				20
Selenium	BRL	U	mg/kg dry	1.56		BRL				20
Iron	6690	QM2	mg/kg dry	0.518		8750			27	20
Potassium	665	QR6	mg/kg dry	13.0		1580			82	20
Antimony	0.617	QR4, J	mg/kg dry	1.56		0.776			23	20
Manganese	244		mg/kg dry	0.104		248			2	20
Lead	6.50	QR1	mg/kg dry	0.778		5.01			26	20
Nickel	75.3		mg/kg dry	0.518		83.8			11	20
Silver	BRL	U	mg/kg dry	1.04		BRL				20
Aluminum	2940	QM2	mg/kg dry	1.56		3990			30	20
Arsenic	1.43	J	mg/kg dry	4.67		1.73			19	20
Beryllium	0.270	J	mg/kg dry	0.285		0.297			10	20
Cadmium	0.0881	QR4, J	mg/kg dry	0.259		0.110			22	20
Chromium	12.8		mg/kg dry	0.518		15.7			20	20
Cobalt	5.71		mg/kg dry	0.518		6.55			14	20
Copper	9.60	QR6	mg/kg dry	0.518		7.51			24	20
Calcium	4000	QM2	mg/kg dry	5.18		10200			87	20
Barium	38.5		mg/kg dry	0.518		40.7			6	20
Matrix Spike (7040143-MS1)	**Source: SA60023-02**									
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Selenium	112		mg/kg dry	1.50	125	BRL	90	75-125		

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* Reportable Detection Limit BRL = Below Reporting Limit

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040143 - SW846 3050B										
Matrix Spike (7040143-MS1)	**Source: SA60023-02**									
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Iron	6290	QM2	mg/kg dry	0.500	125	5470	656	75-125		
Vanadium	136		mg/kg dry	0.500	125	8.13	102	75-125		
Potassium	2420	QM8	mg/kg dry	12.5	1250	434	159	75-125		
Antimony	95.8		mg/kg dry	1.50	125	0.405	76	75-125		
Magnesium	4950	QM2	mg/kg dry	2.50	125	3150	NR	75-125		
Thallium	110		mg/kg dry	1.50	125	BRL	88	75-125		
Lead	119		mg/kg dry	0.750	125	1.99	94	75-125		
Sodium	1060	QM8	mg/kg dry	12.5	625	104	153	75-125		
Nickel	134		mg/kg dry	0.500	125	19.5	92	75-125		
Manganese	325	QM8	mg/kg dry	0.100	125	155	136	75-125		
Zinc	125		mg/kg dry	0.500	125	10.7	91	75-125		
Cobalt	115		mg/kg dry	0.500	125	2.75	90	75-125		
Silver	45.2	QM7	mg/kg dry	1.00	125	BRL	36	75-125		
Copper	128		mg/kg dry	0.500	125	4.80	99	75-125		
Cadmium	115		mg/kg dry	0.250	125	BRL	92	75-125		
Chromium	135		mg/kg dry	0.500	125	5.86	103	75-125		
Aluminum	4920	QM2	mg/kg dry	1.50	125	2410	NR	75-125		
Arsenic	114		mg/kg dry	4.50	125	1.18	90	75-125		
Beryllium	116		mg/kg dry	0.200	125	0.189	93	75-125		
Calcium	6740	QM2	mg/kg dry	5.00	625	5100	262	75-125		
Barium	155		mg/kg dry	0.500	125	22.1	106	75-125		
Matrix Spike Dup (7040143-MSD1)	**Source: SA60023-02**									
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Thallium	109		mg/kg dry	1.50	125	BRL	87	75-125	0.9	20
Iron	6400	QM2	mg/kg dry	0.502	125	5470	744	75-125	2	20
Selenium	110		mg/kg dry	1.50	125	BRL	88	75-125	2	20
Antimony	95.1		mg/kg dry	1.50	125	0.405	76	75-125	0.7	20
Zinc	124		mg/kg dry	0.502	125	10.7	91	75-125	0.8	20
Lead	118		mg/kg dry	0.752	125	1.99	93	75-125	0.8	20
Vanadium	136		mg/kg dry	0.502	125	8.13	102	75-125	0	20
Sodium	1070	QM8	mg/kg dry	12.5	627	104	154	75-125	0.9	20
Potassium	2410	QM8	mg/kg dry	12.5	1250	434	158	75-125	0.4	20
Nickel	132		mg/kg dry	0.502	125	19.5	90	75-125	2	20
Manganese	306		mg/kg dry	0.100	125	155	121	75-125	6	20
Magnesium	4320	QM2	mg/kg dry	2.51	125	3150	936	75-125	14	20
Beryllium	114		mg/kg dry	0.201	125	0.189	91	75-125	2	20
Arsenic	112		mg/kg dry	4.51	125	1.18	89	75-125	2	20
Cobalt	115		mg/kg dry	0.502	125	2.75	90	75-125	0	20
Chromium	129		mg/kg dry	0.502	125	5.86	99	75-125	5	20
Silver	46.8	QM7	mg/kg dry	1.00	125	BRL	37	75-125	3	20
Cadmium	114		mg/kg dry	0.251	125	BRL	91	75-125	0.9	20
Calcium	6270	QM2	mg/kg dry	5.02	627	5100	187	75-125	7	20
Copper	126		mg/kg dry	0.502	125	4.80	97	75-125	2	20
Aluminum	4910	QM2	mg/kg dry	1.50	125	2410	NR	75-125	0.2	20
Barium	153		mg/kg dry	0.502	125	22.1	105	75-125	1	20
Post Spike (7040143-PS1)	**Source: SA60023-02**									
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Zinc	122		mg/kg dry	0.511	128	10.7	87	80-120		
Iron	6560	QM2	mg/kg dry	0.511	128	5470	852	80-120		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040143 - SW846 3050B										
Post Spike (7040143-PS1)	**Source: SA60023-02**									
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Vanadium	133		mg/kg dry	0.511	128	8.13	98	80-120		
Potassium	1710		mg/kg dry	12.8	1280	434	100	80-120		
Lead	123		mg/kg dry	0.767	128	1.99	95	80-120		
Thallium	112		mg/kg dry	1.53	128	BRL	88	80-120		
Manganese	269		mg/kg dry	0.102	128	155	89	80-120		
Selenium	116		mg/kg dry	1.53	128	BRL	91	80-120		
Antimony	112		mg/kg dry	1.53	128	0.405	87	80-120		
Sodium	819		mg/kg dry	12.8	639	104	112	80-120		
Nickel	145		mg/kg dry	0.511	128	19.5	98	80-120		
Magnesium	4300	QM2	mg/kg dry	2.56	128	3150	898	80-120		
Copper	133		mg/kg dry	0.511	128	4.80	100	80-120		
Beryllium	122		mg/kg dry	0.204	128	0.189	95	80-120		
Calcium	6340	QM2	mg/kg dry	5.11	639	5100	194	80-120		
Arsenic	119		mg/kg dry	4.60	128	1.18	92	80-120		
Silver	99.8	QC1	mg/kg dry	1.02	128	BRL	78	80-120		
Cadmium	119		mg/kg dry	0.256	128	BRL	93	80-120		
Cobalt	119		mg/kg dry	0.511	128	2.75	91	80-120		
Chromium	130		mg/kg dry	0.511	128	5.86	97	80-120		
Aluminum	3250	QM2	mg/kg dry	1.53	128	2410	656	80-120		
Barium	155		mg/kg dry	0.511	128	22.1	104	80-120		
Reference (7040143-SRM1)										
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Thallium	62.6		mg/kg wet	1.50	67.0		93	77.1-122.9		
Magnesium	1610		mg/kg wet	2.50	1560		103	73.1-127.2		
Antimony	16.8		mg/kg wet	1.50	54.7		31	0-211.2		
Zinc	111		mg/kg wet	0.500	118		94	79.1-120.9		
Manganese	151		mg/kg wet	0.100	154		98	79.1-121		
Sodium	254		mg/kg wet	12.5	233		109	64-136		
Nickel	57.2		mg/kg wet	0.500	59.3		96	82.6-117.2		
Selenium	74.0		mg/kg wet	1.50	79.3		93	77.4-122.6		
Potassium	1420		mg/kg wet	12.5	1440		99	73.3-126.7		
Vanadium	52.5		mg/kg wet	0.500	54.2		97	77.1-122.6		
Iron	7270		mg/kg wet	0.500	8440		86	50.8-149.1		
Lead	44.7		mg/kg wet	0.750	45.5		98	81.8-118.1		
Calcium	3770		mg/kg wet	5.00	3900		97	80.7-119.2		
Silver	31.3		mg/kg wet	1.00	41.7		75	66.3-133.6		
Beryllium	31.0		mg/kg wet	0.200	31.4		99	83-116.9		
Chromium	47.0		mg/kg wet	0.500	50.1		94	78.9-120.5		
Cadmium	30.4		mg/kg wet	0.250	32.2		94	82.1-117.9		
Aluminum	4900		mg/kg wet	1.50	4620		106	52.3-147.3		
Cobalt	37.3		mg/kg wet	0.500	38.2		98	81.8-118.2		
Copper	45.6		mg/kg wet	0.500	44.5		102	82.4-117.2		
Arsenic	42.3		mg/kg wet	4.50	45.4		93	80.8-119.4		
Barium	219		mg/kg wet	0.500	218		100	82.7-117.3		
Reference (7040143-SRM2)										
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Iron	7120		mg/kg wet	0.500	8370		85	50.8-149.1		
Manganese	148		mg/kg wet	0.100	153		97	79.1-121		
Sodium	244		mg/kg wet	12.5	231		106	64-136		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040143 - SW846 3050B										
Reference (7040143-SRM2)										
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Nickel	56.1		mg/kg wet	0.500	58.8		95	82.6-117.2		
Magnesium	1570		mg/kg wet	2.50	1550		101	73.1-127.2		
Potassium	1400		mg/kg wet	12.5	1430		98	73.3-126.7		
Zinc	110		mg/kg wet	0.500	117		94	79.1-120.9		
Lead	44.1		mg/kg wet	0.750	45.1		98	81.8-118.1		
Antimony	16.0		mg/kg wet	1.50	54.3		29	0-211.2		
Selenium	73.0		mg/kg wet	1.50	78.6		93	77.4-122.6		
Thallium	61.4		mg/kg wet	1.50	66.5		92	77.1-122.9		
Vanadium	51.2		mg/kg wet	0.500	53.8		95	77.1-122.6		
Copper	44.5		mg/kg wet	0.500	44.1		101	82.4-117.2		
Aluminum	4830		mg/kg wet	1.50	4580		105	52.3-147.3		
Chromium	45.7		mg/kg wet	0.500	49.7		92	78.9-120.5		
Calcium	3780		mg/kg wet	5.00	3870		98	80.7-119.2		
Arsenic	41.3		mg/kg wet	4.50	45.0		92	80.8-119.4		
Cadmium	30.2		mg/kg wet	0.250	32.0		94	82.1-117.9		
Silver	31.2		mg/kg wet	1.00	41.4		75	66.3-133.6		
Beryllium	30.4		mg/kg wet	0.200	31.1		98	83-116.9		
Cobalt	36.2		mg/kg wet	0.500	37.9		96	81.8-118.2		
Barium	214		mg/kg wet	0.500	217		99	82.7-117.3		
Batch 7040145 - EPA200/SW7000 Series										
Blank (7040145-BLK1)										
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Mercury	BRL	U	mg/kg wet	0.0299						
Duplicate (7040145-DUP1)	**Source: SA60023-01**									
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Mercury	0.0291	QR4, J	mg/kg dry	0.0328		0.0556			63	20
Matrix Spike (7040145-MS1)	**Source: SA60023-02**									
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Mercury	0.475		mg/kg dry	0.0345	0.479	BRL	99	75-125		
Matrix Spike Dup (7040145-MSD1)	**Source: SA60023-02**									
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Mercury	0.501		mg/kg dry	0.0352	0.489	BRL	102	75-125	5	20
Post Spike (7040145-PS1)	**Source: SA60023-02**									
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Mercury	0.629	QC1	mg/kg dry	0.0356	0.495	BRL	127	85-115		
Reference (7040145-SRM1)										
Prepared: 03-Apr-07 Analyzed: 04-Apr-07										
Mercury	1.28		mg/kg wet	0.0300	1.17		109	65.9-132.6		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7040216 - General Preparation										
Duplicate (7040216-DUP1)	**Source: SA59917-05**									
Prepared & Analyzed: 04-Apr-07										
% Solids	93.2		%			93.9			0.7	20
Batch 7040313 - SW846 9010										
Blank (7040313-BLK1)										
Prepared & Analyzed: 05-Apr-07										
Cyanide (total)	BRL	U	mg/kg wet	1.00						
LCS (7040313-BS1)										
Prepared & Analyzed: 05-Apr-07										
Cyanide (total)	32.4		mg/kg wet	1.00	30.0		108	90-110		
LCS (7040313-BS2)										
Prepared & Analyzed: 05-Apr-07										
Cyanide (total)	78.4		mg/kg wet	1.00	80.0		98	90-110		
Duplicate (7040313-DUP1)	**Source: SA60023-01**									
Prepared & Analyzed: 05-Apr-07										
Cyanide (total)	BRL	U	mg/kg dry	1.02		BRL				35
Matrix Spike (7040313-MS1)	**Source: SA60023-01**									
Prepared & Analyzed: 05-Apr-07										
Cyanide (total)	11.8		mg/kg dry	1.06	10.6	BRL	111	75-125		
Matrix Spike Dup (7040313-MSD1)	**Source: SA60023-01**									
Prepared & Analyzed: 05-Apr-07										
Cyanide (total)	10.5		mg/kg dry	0.978	9.78	BRL	107	75-125	12	35
Reference (7040313-SRM1)										
Prepared & Analyzed: 05-Apr-07										
Cyanide (total)	216		mg/kg wet	4.87	240		90	40-160		

Notes and Definitions

J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
O01	This compound is a common laboratory contaminant.
QB1	The method blank contains analyte at a concentration above the MRL; however, concentration is less than 10% of the sample result, which is negligible according to method criteria.
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QM7	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QM8	The spike recovery exceeded the QC control limits for the MS and/or MSD. The batch was accepted based upon acceptable PS and/or LCS recovery.
QR1	Analyses are not controlled on RPD values from sample concentrations less than 10 times the reporting limit. QC batch accepted based on LCS and/or LCSD QC results.
QR4	Analyses are not controlled on RPD values from sample concentrations less than the reporting limit. QC batch accepted based on LCS and/or LCSD QC results
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
U	Analyte included in the analysis, but not detected
vex1	Lab extracted
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

Report Date:
21-Sep-07 15:39

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

Langan Engineering & Env Services
21 Penn Plaza; 360 West 31st Street, 8th Floor
New York, NY 10001
Attn: Jamie Barr

Project: Myrtle Ave - Brooklyn, NY
Project 5762901

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SA68280-01	MW-19	Ground Water	17-Sep-07 13:25	18-Sep-07 10:30
SA68280-02	TB (Trip Blank)	Aqueous	17-Sep-07 00:00	18-Sep-07 10:30
SA68280-03	FB (Field Blank)	Deionized Water	17-Sep-07 15:00	18-Sep-07 10:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.
Please note that this report contains 39 pages of analytical data plus Chain of Custody document(s).
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New York # 11393/11840
Rhode Island # 98
USDA # S-51435
Vermont # VT-11393

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

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Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-19 SA68280-01	5762901	Ground Water	17-Sep-07 13:25	18-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	20-Sep-07	20-Sep-07	7091285	EQ
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	4.5		µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	1.6		µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	5.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-19 SA68280-01	5762901	Ground Water	17-Sep-07 13:25	18-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	20-Sep-07	20-Sep-07	7091285	EQ
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	44.5		µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	0.6	J	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*95*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*97*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*97*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*95*		*70-130 %*				"	"	"	"	"
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3510C												
319-84-6	alpha-BHC	BRL	U	µg/l	0.1250	0.0250	1	SW846 8081A	19-Sep-07	19-Sep-07	7091210	RP
319-85-7	beta-BHC	BRL	U	µg/l	0.1250	0.0250	1	"	"	"	"	"
319-86-8	delta-BHC	BRL	U	µg/l	0.1250	0.0212	1	"	"	"	"	"
58-89-9	gamma-BHC (Lindane)	BRL	U	µg/l	0.1250	0.0200	1	"	"	"	"	"
76-44-8	Heptachlor	BRL	U	µg/l	0.1250	0.0475	1	"	"	"	"	"
309-00-2	Aldrin	BRL	U	µg/l	0.1250	0.0125	1	"	"	"	"	"
1024-57-3	Heptachlor epoxide	BRL	U	µg/l	0.1250	0.0375	1	"	"	"	"	"
959-98-8	Endosulfan I	BRL	U	µg/l	0.1250	0.0750	1	"	"	"	"	"
60-57-1	Dieldrin	BRL	U	µg/l	0.1250	0.0250	1	"	"	"	"	"
72-55-9	4,4'-DDE (p,p')	BRL	U	µg/l	0.1250	0.0375	1	"	"	"	"	"
72-20-8	Endrin	BRL	U	µg/l	0.1250	0.0625	1	"	"	"	"	"
33213-65-9	Endosulfan II	BRL	U	µg/l	0.1250	0.0625	1	"	"	"	"	"
72-54-8	4,4'-DDD (p,p')	BRL	U	µg/l	0.1250	0.0375	1	"	"	"	"	"
1031-07-8	Endosulfan sulfate	BRL	U	µg/l	0.1250	0.0500	1	"	"	"	"	"
50-29-3	4,4'-DDT (p,p')	BRL	U	µg/l	0.1250	0.0375	1	"	"	"	"	"
72-43-5	Methoxychlor	BRL	U	µg/l	0.1250	0.0175	1	"	"	"	"	"
53494-70-5	Endrin ketone	BRL	U	µg/l	0.1250	0.0625	1	"	"	"	"	"
7421-93-4	Endrin aldehyde	BRL	U	µg/l	0.1250	0.0188	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-19 SA68280-01	5762901	Ground Water	17-Sep-07 13:25	18-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GC												
Organochlorine Pesticides SW846 8081A												
Prepared by method SW846 3510C												
5103-71-9	alpha-Chlordane	BRL	U	µg/l	0.1250	0.0625	1	SW846 8081A	19-Sep-07	19-Sep-07	7091210	RP
5103-74-2	gamma-Chlordane	BRL	U	µg/l	0.1250	0.0625	1	"	"	"	"	"
8001-35-2	Toxaphene	BRL	U	µg/l	0.6250	0.2000	1	"	"	"	"	"
57-74-9	Chlordane	BRL	U	µg/l	0.6250	0.1000	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*31*		*30-150 %*				"	"	"	"	"
2051-24-3	*Decachlorobiphenyl (Sr)*	*52*		*30-150 %*				"	"	"	"	"
Polychlorinated Biphenyls by SW846 8082												
Prepared by method SW846 3510C												
12674-11-2	Aroclor-1016	BRL	U	µg/l	0.250	0.0813	1	SW846 8082	19-Sep-07	19-Sep-07	7091211	MAL
11104-28-2	Aroclor-1221	BRL	U	µg/l	0.250	0.0788	1	"	"	"	"	"
11141-16-5	Aroclor-1232	BRL	U	µg/l	0.250	0.190	1	"	"	"	"	"
53469-21-9	Aroclor-1242	BRL	U	µg/l	0.250	0.164	1	"	"	"	"	"
12672-29-6	Aroclor-1248	BRL	U	µg/l	0.250	0.193	1	"	"	"	"	"
11097-69-1	Aroclor-1254	BRL	U	µg/l	0.250	0.0580	1	"	"	"	"	"
11096-82-5	Aroclor-1260	BRL	U	µg/l	0.250	0.0671	1	"	"	"	"	"
37324-23-5	Aroclor-1262	BRL	U	µg/l	0.250	0.0300	1	"	"	"	"	"
11100-14-4	Aroclor-1268	BRL	U	µg/l	0.250	0.145	1	"	"	"	"	"
Surrogate recoveries:												
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*		*30-150 %*				"	"	"	"	"
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*30*		*30-150 %*				"	"	"	"	"
Chlorinated Herbicides by SW846 8151A												
Prepared by method SW846 3510C												
93-76-5	2,4,5-T	BRL	U	µg/l	0.0100	0.00300	1	SW846 8151A	19-Sep-07	21-Sep-07	7091213	"
93-72-1	2,4,5-TP (Silvex)	BRL	U	µg/l	0.0100	0.00200	1	"	"	"	"	"
94-75-7	2,4-D	BRL	U	µg/l	0.0100	0.00200	1	"	"	"	"	"
94-82-6	2,4-DB	BRL	U	µg/l	0.0100	0.00300	1	"	"	"	"	"
75-99-0	Dalapon	BRL	U	µg/l	0.0100	0.00100	1	"	"	"	"	"
1918-00-9	Dicamba	BRL	U	µg/l	0.0100	0.00100	1	"	"	"	"	"
120-36-5	Dichlorprop	BRL	U	µg/l	0.0100	0.00100	1	"	"	"	"	"
88-85-7	Dinoseb	BRL	U	µg/l	0.0100	0.000700	1	"	"	"	"	"
94-74-6	MCPA	BRL	U	µg/l	1.50	1.26	1	"	"	"	"	"
94-81-5	MCPB	BRL	U	µg/l	1.50	0.888	1	"	"	"	"	"
93-65-2	MCPP	BRL	U	µg/l	1.50	1.15	1	"	"	"	"	"
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*44*		*30-150 %*				"	"	"	"	"
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
83-32-9	Acenaphthene	BRL	U	µg/l	5.56	0.133	1	SW846 8270C	19-Sep-07	19-Sep-07	7091138	M.B
208-96-8	Acenaphthylene	BRL	U	µg/l	5.56	0.167	1	"	"	"	"	"
62-53-3	Aniline	BRL	U	µg/l	5.56	0.422	1	"	"	"	"	"
120-12-7	Anthracene	BRL	U	µg/l	5.56	0.167	1	"	"	"	"	"
1912-24-9	Atrazine	BRL	U	µg/l	5.56	0.211	1	"	"	"	"	"
103-33-3	Azobenzene/Diphenyldiazine	BRL	U	µg/l	5.56	0.144	1	"	"	"	"	"
92-87-5	Benzidine	BRL	U	µg/l	5.56	0.622	1	"	"	"	"	"
56-55-3	Benzo (a) anthracene	BRL	U	µg/l	5.56	0.356	1	"	"	"	"	"
50-32-8	Benzo (a) pyrene	BRL	U	µg/l	5.56	0.189	1	"	"	"	"	"
205-99-2	Benzo (b) fluoranthene	BRL	U	µg/l	5.56	0.733	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-19 SA68280-01	5762901	Ground Water	17-Sep-07 13:25	18-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
191-24-2	Benzo (g,h,i) perylene	BRL	U	µg/l	5.56	0.156	1	SW846 8270C	19-Sep-07	19-Sep-07	7091138	M.B
207-08-9	Benzo (k) fluoranthene	BRL	U	µg/l	5.56	0.222	1	"	"	"	"	"
65-85-0	Benzoic acid	BRL	U	µg/l	5.56	0.100	1	"	"	"	"	"
100-51-6	Benzyl alcohol	BRL	U	µg/l	5.56	0.100	1	"	"	"	"	"
111-91-1	Bis(2-chloroethoxy)methane	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
111-44-4	Bis(2-chloroethyl)ether	BRL	U	µg/l	5.56	0.0778	1	"	"	"	"	"
39638-32-9	Bis(2-chloroisopropyl)ether	BRL	U	µg/l	5.56	0.100	1	"	"	"	"	"
117-81-7	Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.56	1.06	1	"	"	"	"	"
101-55-3	4-Bromophenyl phenyl ether	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
85-68-7	Butyl benzyl phthalate	BRL	U	µg/l	5.56	0.633	1	"	"	"	"	"
86-74-8	Carbazole	BRL	U	µg/l	5.56	0.200	1	"	"	"	"	"
59-50-7	4-Chloro-3-methylphenol	BRL	U	µg/l	5.56	0.200	1	"	"	"	"	"
106-47-8	4-Chloroaniline	BRL	U	µg/l	5.56	0.533	1	"	"	"	"	"
91-58-7	2-Chloronaphthalene	BRL	U	µg/l	5.56	0.0778	1	"	"	"	"	"
95-57-8	2-Chlorophenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
7005-72-3	4-Chlorophenyl phenyl ether	BRL	U	µg/l	5.56	0.0667	1	"	"	"	"	"
218-01-9	Chrysene	BRL	U	µg/l	5.56	0.0778	1	"	"	"	"	"
53-70-3	Dibenzo (a,h) anthracene	BRL	U	µg/l	5.56	0.0889	1	"	"	"	"	"
132-64-9	Dibenzofuran	BRL	U	µg/l	5.56	0.0667	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	5.56	0.178	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	5.56	0.233	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	5.56	0.244	1	"	"	"	"	"
91-94-1	3,3´-Dichlorobenzidine	BRL	U	µg/l	5.56	0.400	1	"	"	"	"	"
120-83-2	2,4-Dichlorophenol	BRL	U	µg/l	5.56	0.144	1	"	"	"	"	"
84-66-2	Diethyl phthalate	BRL	U	µg/l	5.56	0.178	1	"	"	"	"	"
131-11-3	Dimethyl phthalate	BRL	U	µg/l	5.56	0.156	1	"	"	"	"	"
105-67-9	2,4-Dimethylphenol	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
84-74-2	Di-n-butyl phthalate	BRL	U	µg/l	5.56	0.144	1	"	"	"	"	"
534-52-1	4,6-Dinitro-2-methylphenol	BRL	U	µg/l	5.56	0.133	1	"	"	"	"	"
51-28-5	2,4-Dinitrophenol	BRL	U	µg/l	5.56	0.344	1	"	"	"	"	"
121-14-2	2,4-Dinitrotoluene	BRL	U	µg/l	5.56	0.233	1	"	"	"	"	"
606-20-2	2,6-Dinitrotoluene	BRL	U	µg/l	5.56	0.133	1	"	"	"	"	"
117-84-0	Di-n-octyl phthalate	BRL	U	µg/l	5.56	0.267	1	"	"	"	"	"
206-44-0	Fluoranthene	BRL	U	µg/l	5.56	0.133	1	"	"	"	"	"
86-73-7	Fluorene	BRL	U	µg/l	5.56	0.133	1	"	"	"	"	"
118-74-1	Hexachlorobenzene	BRL	U	µg/l	5.56	0.411	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	5.56	0.622	1	"	"	"	"	"
77-47-4	Hexachlorocyclopentadiene	BRL	U	µg/l	5.56	0.411	1	"	"	"	"	"
67-72-1	Hexachloroethane	BRL	U	µg/l	5.56	0.567	1	"	"	"	"	"
193-39-5	Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
78-59-1	Isophorone	BRL	U	µg/l	5.56	0.333	1	"	"	"	"	"
91-57-6	2-Methylnaphthalene	BRL	U	µg/l	5.56	0.122	1	"	"	"	"	"
95-48-7	2-Methylphenol	BRL	U	µg/l	5.56	0.233	1	"	"	"	"	"
108-39-4, 106-44-5	3,4-Methylphenol	BRL	U	µg/l	11.1	0.267	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	5.56	0.211	1	"	"	"	"	"
88-74-4	2-Nitroaniline	BRL	U	µg/l	5.56	0.0667	1	"	"	"	"	"
99-09-2	3-Nitroaniline	BRL	U	µg/l	5.56	0.189	1	"	"	"	"	"
100-01-6	4-Nitroaniline	BRL	U	µg/l	22.2	0.211	1	"	"	"	"	"
98-95-3	Nitrobenzene	BRL	U	µg/l	5.56	0.200	1	"	"	"	"	"
88-75-5	2-Nitrophenol	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
MW-19 SA68280-01	5762901	Ground Water	17-Sep-07 13:25	18-Sep-07

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Batch	Analyst
Semivolatile Organic Compounds by GCMS												
Semivolatile Organic Compounds by SW846 8270C												
Prepared by method SW846 3510C												
100-02-7	4-Nitrophenol	BRL	U	µg/l	22.2	0.289	1	SW846 8270C	19-Sep-07	19-Sep-07	7091138	M.B
62-75-9	N-Nitrosodimethylamine	BRL	U	µg/l	5.56	0.122	1	"	"	"	"	"
621-64-7	N-Nitrosodi-n-propylamine	BRL	U	µg/l	5.56	0.667	1	"	"	"	"	"
86-30-6	N-Nitrosodiphenylamine	BRL	U	µg/l	5.56	0.211	1	"	"	"	"	"
87-86-5	Pentachlorophenol	BRL	U	µg/l	22.2	0.356	1	"	"	"	"	"
85-01-8	Phenanthrene	BRL	U	µg/l	5.56	0.256	1	"	"	"	"	"
108-95-2	Phenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
129-00-0	Pyrene	BRL	U	µg/l	5.56	0.389	1	"	"	"	"	"
110-86-1	Pyridine	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	5.56	0.0778	1	"	"	"	"	"
90-12-0	1-Methylnaphthalene	BRL	U	µg/l	5.56	0.122	1	"	"	"	"	"
95-95-4	2,4,5-Trichlorophenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
88-06-2	2,4,6-Trichlorophenol	BRL	U	µg/l	5.56	0.111	1	"	"	"	"	"
Surrogate recoveries:												
321-60-8	*2-Fluorobiphenyl*	*72*		*30-130 %*				"	"	"	"	"
367-12-4	*2-Fluorophenol*	*76*		*15-110 %*				"	"	"	"	"
4165-60-0	*Nitrobenzene-d5*	*73*		*30-130 %*				"	"	"	"	"
4165-62-2	*Phenol-d5*	*72*		*15-110 %*				"	"	"	"	"
1718-51-0	*Terphenyl-dl4*	*69*		*30-130 %*				"	"	"	"	"
118-79-6	*2,4,6-Tribromophenol*	*81*		*15-110 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0020	1	SW846 6010B	19-Sep-07	19-Sep-07	7091236	SA
7429-90-5	Aluminum	0.806		mg/l	0.0150	0.0055	1	"	20-Sep-07	20-Sep-07	7091279	HB
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0025	1	"	19-Sep-07	19-Sep-07	7091236	SA
7440-39-3	Barium	0.179		mg/l	0.0050	0.0020	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0010	1	"	"	"	"	"
7440-70-2	Calcium	154		mg/l	0.100	0.0455	1	"	"	"	"	"
7440-43-9	Cadmium	0.0003	J	mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-48-4	Cobalt	0.0030	J	mg/l	0.0050	0.0015	1	"	"	"	"	"
7440-47-3	Chromium	0.0049	J	mg/l	0.0050	0.0025	1	"	"	"	"	"
7440-50-8	Copper	0.0098		mg/l	0.0050	0.0015	1	"	"	"	"	"
7439-89-6	Iron	0.813		mg/l	0.0150	0.0075	1	"	"	"	"	"
7440-09-7	Potassium	12.6		mg/l	0.500	0.142	1	"	"	"	"	"
7439-95-4	Magnesium	37.2		mg/l	0.0100	0.0024	1	"	"	"	"	"
7439-96-5	Manganese	0.951		mg/l	0.0030	0.0005	1	"	"	"	"	"
7440-23-5	Sodium	47.3		mg/l	0.400	0.0600	1	"	"	"	"	"
7440-02-0	Nickel	0.0118		mg/l	0.0050	0.0005	1	"	"	"	"	"
7439-92-1	Lead	BRL	U	mg/l	0.0075	0.0025	1	"	"	"	"	"
7440-36-0	Antimony	BRL	U	mg/l	0.0060	0.0035	1	"	"	"	"	"
7782-49-2	Selenium	0.0082	J	mg/l	0.0150	0.0050	1	"	"	"	"	"
7440-28-0	Thallium	0.0025	J	mg/l	0.0050	0.0015	1	"	"	"	"	"
7440-62-2	Vanadium	0.0059		mg/l	0.0050	0.0035	1	"	"	"	"	"
7440-66-6	Zinc	0.0134	J	mg/l	0.0150	0.0005	1	"	"	"	"	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00030	0.00008	1	EPA 245.1/7470A	19-Sep-07	20-Sep-07	7091238	YP

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB (Trip Blank) SA68280-02	5762901	Aqueous	17-Sep-07 00:00	18-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	19-Sep-07	20-Sep-07	7091193	adu
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	5.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
TB (Trip Blank) SA68280-02	5762901	Aqueous	17-Sep-07 00:00	18-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	19-Sep-07	20-Sep-07	7091193	adu
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*106*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*103*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*113*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*102*		*70-130 %*				"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB (Field Blank) SA68280-03	5762901	Deionized Water	17-Sep-07 15:00	18-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
76-13-1	1,1,2-Trichlorotrifluoroethane (Fre	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	20-Sep-07	20-Sep-07	7091285	EQ
67-64-1	Acetone	BRL	U	µg/l	10.0	2.6	1	"	"	"	"	"
107-13-1	Acrylonitrile	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
71-43-2	Benzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-86-1	Bromobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-97-5	Bromochloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-27-4	Bromodichloromethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
75-25-2	Bromoform	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
74-83-9	Bromomethane	BRL	U	µg/l	2.0	1.6	1	"	"	"	"	"
78-93-3	2-Butanone (MEK)	BRL	U	µg/l	10.0	2.4	1	"	"	"	"	"
104-51-8	n-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
135-98-8	sec-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
98-06-6	tert-Butylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
75-15-0	Carbon disulfide	BRL	U	µg/l	5.0	0.3	1	"	"	"	"	"
56-23-5	Carbon tetrachloride	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
108-90-7	Chlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-00-3	Chloroethane	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
67-66-3	Chloroform	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
74-87-3	Chloromethane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
95-49-8	2-Chlorotoluene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
106-43-4	4-Chlorotoluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
96-12-8	1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
124-48-1	Dibromochloromethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
106-93-4	1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
74-95-3	Dibromomethane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
95-50-1	1,2-Dichlorobenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
541-73-1	1,3-Dichlorobenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
106-46-7	1,4-Dichlorobenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-71-8	Dichlorodifluoromethane (Freon12	BRL	U	µg/l	2.0	0.6	1	"	"	"	"	"
75-34-3	1,1-Dichloroethane	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
107-06-2	1,2-Dichloroethane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
75-35-4	1,1-Dichloroethene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
156-59-2	cis-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
156-60-5	trans-1,2-Dichloroethene	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
78-87-5	1,2-Dichloropropane	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
142-28-9	1,3-Dichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
594-20-7	2,2-Dichloropropane	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
563-58-6	1,1-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-01-5	cis-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
10061-02-6	trans-1,3-Dichloropropene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
100-41-4	Ethylbenzene	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
87-68-3	Hexachlorobutadiene	BRL	U	µg/l	1.0	0.8	1	"	"	"	"	"
591-78-6	2-Hexanone (MBK)	BRL	U	µg/l	10.0	0.5	1	"	"	"	"	"
98-82-8	Isopropylbenzene	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
99-87-6	4-Isopropyltoluene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
1634-04-4	Methyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-10-1	4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
75-09-2	Methylene chloride	BRL	U	µg/l	5.0	0.6	1	"	"	"	"	"
91-20-3	Naphthalene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
103-65-1	n-Propylbenzene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB (Field Blank) SA68280-03	5762901	Deionized Water	17-Sep-07 15:00	18-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Volatile Organic Compounds												
Volatile Organic Compounds												
Prepared by method SW846 5030 Water MS												
100-42-5	Styrene	BRL	U	µg/l	1.0	0.4	1	SW 846 8260B	20-Sep-07	20-Sep-07	7091285	EQ
630-20-6	1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
79-34-5	1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
127-18-4	Tetrachloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
108-88-3	Toluene	BRL	U	µg/l	1.0	0.6	1	"	"	"	"	"
87-61-6	1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
120-82-1	1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
71-55-6	1,1,1-Trichloroethane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
79-00-5	1,1,2-Trichloroethane	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
79-01-6	Trichloroethene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-69-4	Trichlorofluoromethane (Freon 11	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
96-18-4	1,2,3-Trichloropropane	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
95-63-6	1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0	0.7	1	"	"	"	"	"
108-67-8	1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
75-01-4	Vinyl chloride	BRL	U	µg/l	1.0	0.9	1	"	"	"	"	"
1330-20-7	m,p-Xylene	BRL	U	µg/l	2.0	0.7	1	"	"	"	"	"
95-47-6	o-Xylene	BRL	U	µg/l	1.0	0.5	1	"	"	"	"	"
109-99-9	Tetrahydrofuran	BRL	U	µg/l	10.0	0.4	1	"	"	"	"	"
60-29-7	Ethyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
994-05-8	Tert-amyl methyl ether	BRL	U	µg/l	1.0	0.4	1	"	"	"	"	"
637-92-3	Ethyl tert-butyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
108-20-3	Di-isopropyl ether	BRL	U	µg/l	1.0	0.3	1	"	"	"	"	"
75-65-0	Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0	7.4	1	"	"	"	"	"
123-91-1	1,4-Dioxane	BRL	U	µg/l	20.0	4.9	1	"	"	"	"	"
Surrogate recoveries:												
460-00-4	*4-Bromofluorobenzene*	*99*		*70-130 %*				"	"	"	"	"
2037-26-5	*Toluene-d8*	*99*		*70-130 %*				"	"	"	"	"
17060-07-0	*1,2-Dichloroethane-d4*	*95*		*70-130 %*				"	"	"	"	"
1868-53-7	*Dibromofluoromethane*	*92*		*70-130 %*				"	"	"	"	"
Total Metals by EPA 6000/7000 Series Methods												
7440-22-4	Silver	BRL	U	mg/l	0.0050	0.0020	1	SW846 6010B	19-Sep-07	19-Sep-07	7091236	SA
7429-90-5	Aluminum	0.0182		mg/l	0.0150	0.0055	1	"	20-Sep-07	20-Sep-07	7091279	HB
7440-38-2	Arsenic	BRL	U	mg/l	0.0040	0.0025	1	"	19-Sep-07	19-Sep-07	7091236	SA
7440-39-3	Barium	BRL	U	mg/l	0.0050	0.0020	1	"	"	"	"	"
7440-41-7	Beryllium	BRL	U	mg/l	0.0020	0.0010	1	"	"	"	"	"
7440-70-2	Calcium	0.434		mg/l	0.100	0.0455	1	"	"	"	"	"
7440-43-9	Cadmium	BRL	U	mg/l	0.0025	0.0002	1	"	"	"	"	"
7440-48-4	Cobalt	BRL	U	mg/l	0.0050	0.0015	1	"	"	"	"	"
7440-47-3	Chromium	BRL	U	mg/l	0.0050	0.0025	1	"	"	"	"	"
7440-50-8	Copper	0.0022	J	mg/l	0.0050	0.0015	1	"	"	"	"	"
7439-89-6	Iron	0.0350		mg/l	0.0150	0.0075	1	"	"	"	"	"
7440-09-7	Potassium	0.656		mg/l	0.500	0.142	1	"	"	"	"	"
7439-95-4	Magnesium	0.0241		mg/l	0.0100	0.0024	1	"	"	"	"	"
7439-96-5	Manganese	0.0026	J	mg/l	0.0030	0.0005	1	"	"	"	"	"
7440-23-5	Sodium	0.806		mg/l	0.400	0.0600	1	"	"	"	"	"
7440-02-0	Nickel	0.0006	J	mg/l	0.0050	0.0005	1	"	"	"	"	"
7439-92-1	Lead	BRL	U	mg/l	0.0075	0.0025	1	"	"	"	"	"

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
FB (Field Blank) SA68280-03	5762901	Deionized Water	17-Sep-07 15:00	18-Sep-07

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Batch*	*Analyst*
Total Metals by EPA 6000/7000 Series Methods												
7440-36-0	Antimony	BRL	U	mg/l	0.0060	0.0035	1	SW846 6010B	19-Sep-07	19-Sep-07	7091236	SA
7782-49-2	Selenium	BRL	U	mg/l	0.0150	0.0050	1	"	"	"	"	"
7440-28-0	Thallium	BRL	U	mg/l	0.0050	0.0015	1	"	"	"	"	"
7440-62-2	Vanadium	0.0046	J	mg/l	0.0050	0.0035	1	"	"	"	"	"
7440-66-6	Zinc	0.0287		mg/l	0.0150	0.0005	1	"	"	"	"	"
Total Metals by EPA 200 Series Methods												
7439-97-6	Mercury	BRL	U	mg/l	0.00030	0.00008	1	EPA 245.1/7470A	19-Sep-07	20-Sep-07	7091238	YP

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091193 - SW846 5030 Water MS										
Blank (7091193-BLK1)										
Prepared & Analyzed: 19-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0						
Acetone	BRL	U	µg/l	10.0						
Acrylonitrile	BRL	U	µg/l	1.0						
Benzene	BRL	U	µg/l	1.0						
Bromobenzene	BRL	U	µg/l	1.0						
Bromochloromethane	BRL	U	µg/l	1.0						
Bromodichloromethane	BRL	U	µg/l	1.0						
Bromoform	BRL	U	µg/l	1.0						
Bromomethane	BRL	U	µg/l	2.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
n-Butylbenzene	BRL	U	µg/l	1.0						
sec-Butylbenzene	BRL	U	µg/l	1.0						
tert-Butylbenzene	BRL	U	µg/l	1.0						
Carbon disulfide	BRL	U	µg/l	5.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroethane	BRL	U	µg/l	2.0						
Chloroform	BRL	U	µg/l	1.0						
Chloromethane	BRL	U	µg/l	2.0						
2-Chlorotoluene	BRL	U	µg/l	1.0						
4-Chlorotoluene	BRL	U	µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0						
Dibromochloromethane	BRL	U	µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0						
Dibromomethane	BRL	U	µg/l	1.0						
1,2-Dichlorobenzene	BRL	U	µg/l	1.0						
1,3-Dichlorobenzene	BRL	U	µg/l	1.0						
1,4-Dichlorobenzene	BRL	U	µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0						
1,1-Dichloroethane	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	1.0						
1,2-Dichloropropane	BRL	U	µg/l	1.0						
1,3-Dichloropropane	BRL	U	µg/l	1.0						
2,2-Dichloropropane	BRL	U	µg/l	1.0						
1,1-Dichloropropene	BRL	U	µg/l	1.0						
cis-1,3-Dichloropropene	BRL	U	µg/l	1.0						
trans-1,3-Dichloropropene	BRL	U	µg/l	1.0						
Ethylbenzene	BRL	U	µg/l	1.0						
Hexachlorobutadiene	BRL	U	µg/l	1.0						
2-Hexanone (MBK)	BRL	U	µg/l	10.0						
Isopropylbenzene	BRL	U	µg/l	1.0						
4-Isopropyltoluene	BRL	U	µg/l	1.0						
Methyl tert-butyl ether	BRL	U	µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0						
Methylene chloride	BRL	U	µg/l	5.0						
Naphthalene	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091193 - SW846 5030 Water MS										
Blank (7091193-BLK1)										
Prepared & Analyzed: 19-Sep-07										
n-Propylbenzene	BRL	U	µg/l	1.0						
Styrene	BRL	U	µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						
1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0						
1,1,1-Trichloroethane	BRL	U	µg/l	1.0						
1,1,2-Trichloroethane	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0						
1,2,3-Trichloropropane	BRL	U	µg/l	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
m,p-Xylene	BRL	U	µg/l	2.0						
o-Xylene	BRL	U	µg/l	1.0						
Tetrahydrofuran	BRL	U	µg/l	10.0						
Ethyl ether	BRL	U	µg/l	1.0						
Tert-amyl methyl ether	BRL	U	µg/l	1.0						
Ethyl tert-butyl ether	BRL	U	µg/l	1.0						
Di-isopropyl ether	BRL	U	µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0						
1,4-Dioxane	BRL	U	µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*30.2*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: Toluene-d8	*30.1*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.4*		µg/l		*30.0*		*98*	*70-130*		
Surrogate: Dibromofluoromethane	*29.2*		µg/l		*30.0*		*97*	*70-130*		
LCS (7091193-BS1)										
Prepared & Analyzed: 19-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	26.7	QC2	µg/l		20.0		134	70-130		
Acetone	17.1		µg/l		20.0		85	6.52-146		
Acrylonitrile	20.5		µg/l		20.0		102	70-130		
Benzene	22.0		µg/l		20.0		110	70-130		
Bromobenzene	23.7		µg/l		20.0		118	70-130		
Bromochloromethane	23.2		µg/l		20.0		116	70-130		
Bromodichloromethane	20.5		µg/l		20.0		102	70-130		
Bromoform	19.6		µg/l		20.0		98	70-130		
Bromomethane	22.7		µg/l		20.0		114	52-143		
2-Butanone (MEK)	15.9		µg/l		20.0		79	27.9-134		
n-Butylbenzene	21.7		µg/l		20.0		108	70-130		
sec-Butylbenzene	24.1		µg/l		20.0		120	70-130		
tert-Butylbenzene	24.3		µg/l		20.0		122	70-130		
Carbon disulfide	23.8		µg/l		20.0		119	70-130		
Carbon tetrachloride	21.3		µg/l		20.0		106	70-130		
Chlorobenzene	23.1		µg/l		20.0		116	70-130		
Chloroethane	23.4		µg/l		20.0		117	61.9-135		
Chloroform	22.2		µg/l		20.0		111	70-130		
Chloromethane	22.2		µg/l		20.0		111	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091193 - SW846 5030 Water MS										
LCS (7091193-BS1)										
Prepared & Analyzed: 19-Sep-07										
2-Chlorotoluene	23.1		µg/l		20.0		115	70-130		
4-Chlorotoluene	23.1		µg/l		20.0		116	70-130		
1,2-Dibromo-3-chloropropane	16.2		µg/l		20.0		81	70-130		
Dibromochloromethane	19.1		µg/l		20.0		96	67.6-140		
1,2-Dibromoethane (EDB)	20.9		µg/l		20.0		104	70-130		
Dibromomethane	22.3		µg/l		20.0		111	70-130		
1,2-Dichlorobenzene	22.2		µg/l		20.0		111	70-130		
1,3-Dichlorobenzene	23.4		µg/l		20.0		117	70-130		
1,4-Dichlorobenzene	21.5		µg/l		20.0		107	70-130		
Dichlorodifluoromethane (Freon12)	24.1		µg/l		20.0		121	39.5-171		
1,1-Dichloroethane	22.4		µg/l		20.0		112	70-130		
1,2-Dichloroethane	21.0		µg/l		20.0		105	70-130		
1,1-Dichloroethene	24.9		µg/l		20.0		124	70-130		
cis-1,2-Dichloroethene	22.7		µg/l		20.0		114	70-130		
trans-1,2-Dichloroethene	22.7		µg/l		20.0		114	70-130		
1,2-Dichloropropane	21.1		µg/l		20.0		106	70-130		
1,3-Dichloropropane	21.4		µg/l		20.0		107	70-130		
2,2-Dichloropropane	25.3		µg/l		20.0		127	70-130		
1,1-Dichloropropene	22.4		µg/l		20.0		112	70-130		
cis-1,3-Dichloropropene	21.0		µg/l		20.0		105	70-130		
trans-1,3-Dichloropropene	20.8		µg/l		20.0		104	70-130		
Ethylbenzene	23.4		µg/l		20.0		117	70-130		
Hexachlorobutadiene	22.2		µg/l		20.0		111	66.2-136		
2-Hexanone (MBK)	15.8		µg/l		20.0		79	70-130		
Isopropylbenzene	22.3		µg/l		20.0		112	70-130		
4-Isopropyltoluene	24.0		µg/l		20.0		120	70-130		
Methyl tert-butyl ether	21.4		µg/l		20.0		107	70-130		
4-Methyl-2-pentanone (MIBK)	18.1		µg/l		20.0		91	62.7-130		
Methylene chloride	23.0		µg/l		20.0		115	70-130		
Naphthalene	16.2		µg/l		20.0		81	70-130		
n-Propylbenzene	23.3		µg/l		20.0		116	70-130		
Styrene	24.1		µg/l		20.0		120	70-130		
1,1,1,2-Tetrachloroethane	21.4		µg/l		20.0		107	70-130		
1,1,2,2-Tetrachloroethane	21.1		µg/l		20.0		105	70-130		
Tetrachloroethene	22.7		µg/l		20.0		113	70-130		
Toluene	21.6		µg/l		20.0		108	70-130		
1,2,3-Trichlorobenzene	18.4		µg/l		20.0		92	70-130		
1,2,4-Trichlorobenzene	20.2		µg/l		20.0		101	70-130		
1,1,1-Trichloroethane	22.2		µg/l		20.0		111	70-130		
1,1,2-Trichloroethane	20.8		µg/l		20.0		104	70-130		
Trichloroethene	21.9		µg/l		20.0		109	70-130		
Trichlorofluoromethane (Freon 11)	23.4		µg/l		20.0		117	65.3-143		
1,2,3-Trichloropropane	23.6		µg/l		20.0		118	70-130		
1,2,4-Trimethylbenzene	25.0		µg/l		20.0		125	70-130		
1,3,5-Trimethylbenzene	24.2		µg/l		20.0		121	70-130		
Vinyl chloride	26.8	QC2	µg/l		20.0		134	70-130		
m,p-Xylene	47.0		µg/l		40.0		118	70-130		
o-Xylene	23.3		µg/l		20.0		116	70-130		
Tetrahydrofuran	18.0		µg/l		20.0		90	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091193 - SW846 5030 Water MS										
LCS (7091193-BS1)										
Prepared & Analyzed: 19-Sep-07										
Ethyl ether	22.7		µg/l		20.0		113	70-130		
Tert-amyl methyl ether	19.1		µg/l		20.0		95	70-130		
Ethyl tert-butyl ether	22.2		µg/l		20.0		111	70-130		
Di-isopropyl ether	20.0		µg/l		20.0		100	70-130		
Tert-Butanol / butyl alcohol	245		µg/l		200		123	70-130		
1,4-Dioxane	183		µg/l		200		91	61.2-138		
Surrogate: 4-Bromofluorobenzene	*31.3*		µg/l		*30.0*		*104*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.1*		µg/l		*30.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*30.1*		µg/l		*30.0*		*100*	*70-130*		
LCS Dup (7091193-BSD1)										
Prepared & Analyzed: 19-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	27.9	QC2	µg/l		20.0		140	70-130	5	25
Acetone	18.8		µg/l		20.0		94	6.52-146	10	50
Acrylonitrile	22.2		µg/l		20.0		111	70-130	8	25
Benzene	22.4		µg/l		20.0		112	70-130	2	25
Bromobenzene	24.2		µg/l		20.0		121	70-130	2	25
Bromochloromethane	24.5		µg/l		20.0		122	70-130	5	25
Bromodichloromethane	20.8		µg/l		20.0		104	70-130	2	25
Bromoform	20.3		µg/l		20.0		102	70-130	4	25
Bromomethane	22.6		µg/l		20.0		113	52-143	0.3	50
2-Butanone (MEK)	16.4		µg/l		20.0		82	27.9-134	4	50
n-Butylbenzene	21.6		µg/l		20.0		108	70-130	0.5	25
sec-Butylbenzene	24.3		µg/l		20.0		122	70-130	1	25
tert-Butylbenzene	24.9		µg/l		20.0		124	70-130	2	25
Carbon disulfide	24.1		µg/l		20.0		120	70-130	1	25
Carbon tetrachloride	22.0		µg/l		20.0		110	70-130	3	25
Chlorobenzene	23.6		µg/l		20.0		118	70-130	2	25
Chloroethane	23.8		µg/l		20.0		119	61.9-135	2	50
Chloroform	23.0		µg/l		20.0		115	70-130	3	25
Chloromethane	22.3		µg/l		20.0		111	70-130	0.09	25
2-Chlorotoluene	23.3		µg/l		20.0		117	70-130	1	25
4-Chlorotoluene	23.3		µg/l		20.0		117	70-130	0.9	25
1,2-Dibromo-3-chloropropane	17.4		µg/l		20.0		87	70-130	7	25
Dibromochloromethane	19.6		µg/l		20.0		98	67.6-140	2	50
1,2-Dibromoethane (EDB)	21.2		µg/l		20.0		106	70-130	2	25
Dibromomethane	23.0		µg/l		20.0		115	70-130	3	25
1,2-Dichlorobenzene	22.4		µg/l		20.0		112	70-130	0.9	25
1,3-Dichlorobenzene	24.0		µg/l		20.0		120	70-130	2	25
1,4-Dichlorobenzene	22.0		µg/l		20.0		110	70-130	2	25
Dichlorodifluoromethane (Freon12)	25.9		µg/l		20.0		129	39.5-171	7	50
1,1-Dichloroethane	23.3		µg/l		20.0		116	70-130	4	25
1,2-Dichloroethane	21.5		µg/l		20.0		108	70-130	3	25
1,1-Dichloroethene	25.4		µg/l		20.0		127	70-130	2	25
cis-1,2-Dichloroethene	23.3		µg/l		20.0		117	70-130	3	25
trans-1,2-Dichloroethene	22.6		µg/l		20.0		113	70-130	0.7	25
1,2-Dichloropropane	21.1		µg/l		20.0		106	70-130	0.09	25
1,3-Dichloropropane	21.5		µg/l		20.0		107	70-130	0.6	25
2,2-Dichloropropane	25.6		µg/l		20.0		128	70-130	1	25
1,1-Dichloropropene	22.1		µg/l		20.0		110	70-130	1	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091193 - SW846 5030 Water MS										
LCS Dup (7091193-BSD1)										
Prepared & Analyzed: 19-Sep-07										
cis-1,3-Dichloropropene	21.4		µg/l		20.0		107	70-130	2	25
trans-1,3-Dichloropropene	21.7		µg/l		20.0		108	70-130	4	25
Ethylbenzene	23.6		µg/l		20.0		118	70-130	0.6	25
Hexachlorobutadiene	21.0		µg/l		20.0		105	66.2-136	5	50
2-Hexanone (MBK)	14.6		µg/l		20.0		73	70-130	8	25
Isopropylbenzene	22.8		µg/l		20.0		114	70-130	2	25
4-Isopropyltoluene	24.2		µg/l		20.0		121	70-130	0.5	25
Methyl tert-butyl ether	21.9		µg/l		20.0		110	70-130	3	25
4-Methyl-2-pentanone (MIBK)	18.1		µg/l		20.0		90	62.7-130	0.3	50
Methylene chloride	23.6		µg/l		20.0		118	70-130	3	25
Naphthalene	15.4		µg/l		20.0		77	70-130	5	25
n-Propylbenzene	23.6		µg/l		20.0		118	70-130	2	25
Styrene	23.9		µg/l		20.0		120	70-130	0.7	25
1,1,1,2-Tetrachloroethane	21.8		µg/l		20.0		109	70-130	2	25
1,1,2,2-Tetrachloroethane	21.5		µg/l		20.0		108	70-130	2	25
Tetrachloroethene	23.2		µg/l		20.0		116	70-130	2	25
Toluene	22.1		µg/l		20.0		110	70-130	2	25
1,2,3-Trichlorobenzene	17.4		µg/l		20.0		87	70-130	6	25
1,2,4-Trichlorobenzene	19.3		µg/l		20.0		97	70-130	4	25
1,1,1-Trichloroethane	22.6		µg/l		20.0		113	70-130	2	25
1,1,2-Trichloroethane	21.0		µg/l		20.0		105	70-130	1	25
Trichloroethene	22.2		µg/l		20.0		111	70-130	2	25
Trichlorofluoromethane (Freon 11)	24.1		µg/l		20.0		121	65.3-143	3	50
1,2,3-Trichloropropane	23.8		µg/l		20.0		119	70-130	0.9	25
1,2,4-Trimethylbenzene	25.1		µg/l		20.0		126	70-130	0.4	25
1,3,5-Trimethylbenzene	24.3		µg/l		20.0		122	70-130	0.6	25
Vinyl chloride	27.6	QC2	µg/l		20.0		138	70-130	3	25
m,p-Xylene	47.4		µg/l		40.0		118	70-130	0.7	25
o-Xylene	24.0		µg/l		20.0		120	70-130	3	25
Tetrahydrofuran	18.8		µg/l		20.0		94	70-130	4	25
Ethyl ether	23.6		µg/l		20.0		118	70-130	4	50
Tert-amyl methyl ether	19.8		µg/l		20.0		99	70-130	4	25
Ethyl tert-butyl ether	22.5		µg/l		20.0		113	70-130	2	25
Di-isopropyl ether	20.5		µg/l		20.0		103	70-130	3	25
Tert-Butanol / butyl alcohol	255		µg/l		200		127	70-130	4	25
1,4-Dioxane	201		µg/l		200		100	61.2-138	9	25
Surrogate: 4-Bromofluorobenzene	*30.6*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: Toluene-d8	*29.6*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.6*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*30.0*		µg/l		*30.0*		*100*	*70-130*		
Batch 7091285 - SW846 5030 Water MS										
Blank (7091285-BLK1)										
Prepared & Analyzed: 20-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	BRL	U	µg/l	1.0						
Acetone	BRL	U	µg/l	10.0						
Acrylonitrile	BRL	U	µg/l	1.0						
Benzene	BRL	U	µg/l	1.0						
Bromobenzene	BRL	U	µg/l	1.0						
Bromochloromethane	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091285 - SW846 5030 Water MS										
Blank (7091285-BLK1)										
Prepared & Analyzed: 20-Sep-07										
Bromodichloromethane	BRL	U	µg/l	1.0						
Bromoform	BRL	U	µg/l	1.0						
Bromomethane	BRL	U	µg/l	2.0						
2-Butanone (MEK)	BRL	U	µg/l	10.0						
n-Butylbenzene	BRL	U	µg/l	1.0						
sec-Butylbenzene	BRL	U	µg/l	1.0						
tert-Butylbenzene	BRL	U	µg/l	1.0						
Carbon disulfide	BRL	U	µg/l	5.0						
Carbon tetrachloride	BRL	U	µg/l	1.0						
Chlorobenzene	BRL	U	µg/l	1.0						
Chloroethane	BRL	U	µg/l	2.0						
Chloroform	BRL	U	µg/l	1.0						
Chloromethane	BRL	U	µg/l	2.0						
2-Chlorotoluene	BRL	U	µg/l	1.0						
4-Chlorotoluene	BRL	U	µg/l	1.0						
1,2-Dibromo-3-chloropropane	BRL	U	µg/l	2.0						
Dibromochloromethane	BRL	U	µg/l	1.0						
1,2-Dibromoethane (EDB)	BRL	U	µg/l	1.0						
Dibromomethane	BRL	U	µg/l	1.0						
1,2-Dichlorobenzene	BRL	U	µg/l	1.0						
1,3-Dichlorobenzene	BRL	U	µg/l	1.0						
1,4-Dichlorobenzene	BRL	U	µg/l	1.0						
Dichlorodifluoromethane (Freon12)	BRL	U	µg/l	2.0						
1,1-Dichloroethane	BRL	U	µg/l	1.0						
1,2-Dichloroethane	BRL	U	µg/l	1.0						
1,1-Dichloroethene	BRL	U	µg/l	1.0						
cis-1,2-Dichloroethene	BRL	U	µg/l	1.0						
trans-1,2-Dichloroethene	BRL	U	µg/l	1.0						
1,2-Dichloropropane	BRL	U	µg/l	1.0						
1,3-Dichloropropane	BRL	U	µg/l	1.0						
2,2-Dichloropropane	BRL	U	µg/l	1.0						
1,1-Dichloropropene	BRL	U	µg/l	1.0						
cis-1,3-Dichloropropene	BRL	U	µg/l	1.0						
trans-1,3-Dichloropropene	BRL	U	µg/l	1.0						
Ethylbenzene	BRL	U	µg/l	1.0						
Hexachlorobutadiene	BRL	U	µg/l	1.0						
2-Hexanone (MBK)	BRL	U	µg/l	10.0						
Isopropylbenzene	BRL	U	µg/l	1.0						
4-Isopropyltoluene	BRL	U	µg/l	1.0						
Methyl tert-butyl ether	BRL	U	µg/l	1.0						
4-Methyl-2-pentanone (MIBK)	BRL	U	µg/l	10.0						
Methylene chloride	BRL	U	µg/l	5.0						
Naphthalene	BRL	U	µg/l	1.0						
n-Propylbenzene	BRL	U	µg/l	1.0						
Styrene	BRL	U	µg/l	1.0						
1,1,1,2-Tetrachloroethane	BRL	U	µg/l	1.0						
1,1,2,2-Tetrachloroethane	BRL	U	µg/l	1.0						
Tetrachloroethene	BRL	U	µg/l	1.0						
Toluene	BRL	U	µg/l	1.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091285 - SW846 5030 Water MS										
Blank (7091285-BLK1)										
Prepared & Analyzed: 20-Sep-07										
1,2,3-Trichlorobenzene	BRL	U	µg/l	1.0						
1,2,4-Trichlorobenzene	BRL	U	µg/l	1.0						
1,1,1-Trichloroethane	BRL	U	µg/l	1.0						
1,1,2-Trichloroethane	BRL	U	µg/l	1.0						
Trichloroethene	BRL	U	µg/l	1.0						
Trichlorofluoromethane (Freon 11)	BRL	U	µg/l	1.0						
1,2,3-Trichloropropane	BRL	U	µg/l	1.0						
1,2,4-Trimethylbenzene	BRL	U	µg/l	1.0						
1,3,5-Trimethylbenzene	BRL	U	µg/l	1.0						
Vinyl chloride	BRL	U	µg/l	1.0						
m,p-Xylene	BRL	U	µg/l	2.0						
o-Xylene	BRL	U	µg/l	1.0						
Tetrahydrofuran	BRL	U	µg/l	10.0						
Ethyl ether	BRL	U	µg/l	1.0						
Tert-amyl methyl ether	BRL	U	µg/l	1.0						
Ethyl tert-butyl ether	BRL	U	µg/l	1.0						
Di-isopropyl ether	BRL	U	µg/l	1.0						
Tert-Butanol / butyl alcohol	BRL	U	µg/l	10.0						
1,4-Dioxane	BRL	U	µg/l	20.0						
Surrogate: 4-Bromofluorobenzene	*29.6*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*28.9*		µg/l		*30.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.8*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*29.0*		µg/l		*30.0*		*97*	*70-130*		
LCS (7091285-BS1)										
Prepared & Analyzed: 20-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.3		µg/l		20.0		112	70-130		
Acetone	19.0		µg/l		20.0		95	6.52-146		
Acrylonitrile	21.7		µg/l		20.0		109	70-130		
Benzene	19.5		µg/l		20.0		97	70-130		
Bromobenzene	17.7		µg/l		20.0		89	70-130		
Bromochloromethane	19.9		µg/l		20.0		99	70-130		
Bromodichloromethane	19.8		µg/l		20.0		99	70-130		
Bromoform	18.0		µg/l		20.0		90	70-130		
Bromomethane	16.6		µg/l		20.0		83	52-143		
2-Butanone (MEK)	25.5		µg/l		20.0		128	27.9-134		
n-Butylbenzene	19.0		µg/l		20.0		95	70-130		
sec-Butylbenzene	19.4		µg/l		20.0		97	70-130		
tert-Butylbenzene	18.8		µg/l		20.0		94	70-130		
Carbon disulfide	23.4		µg/l		20.0		117	70-130		
Carbon tetrachloride	18.6		µg/l		20.0		93	70-130		
Chlorobenzene	18.1		µg/l		20.0		90	70-130		
Chloroethane	19.8		µg/l		20.0		99	61.9-135		
Chloroform	18.9		µg/l		20.0		94	70-130		
Chloromethane	23.6		µg/l		20.0		118	70-130		
2-Chlorotoluene	15.7		µg/l		20.0		79	70-130		
4-Chlorotoluene	17.7		µg/l		20.0		89	70-130		
1,2-Dibromo-3-chloropropane	19.2		µg/l		20.0		96	70-130		
Dibromochloromethane	18.5		µg/l		20.0		92	67.6-140		
1,2-Dibromoethane (EDB)	18.3		µg/l		20.0		92	70-130		
Dibromomethane	19.5		µg/l		20.0		97	70-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091285 - SW846 5030 Water MS										
LCS (7091285-BS1)										
Prepared & Analyzed: 20-Sep-07										
1,2-Dichlorobenzene	18.2		µg/l		20.0		91	70-130		
1,3-Dichlorobenzene	17.5		µg/l		20.0		88	70-130		
1,4-Dichlorobenzene	17.9		µg/l		20.0		90	70-130		
Dichlorodifluoromethane (Freon12)	24.5		µg/l		20.0		122	39.5-171		
1,1-Dichloroethane	21.1		µg/l		20.0		106	70-130		
1,2-Dichloroethane	18.3		µg/l		20.0		92	70-130		
1,1-Dichloroethene	21.8		µg/l		20.0		109	70-130		
cis-1,2-Dichloroethene	19.9		µg/l		20.0		100	70-130		
trans-1,2-Dichloroethene	20.2		µg/l		20.0		101	70-130		
1,2-Dichloropropane	21.3		µg/l		20.0		106	70-130		
1,3-Dichloropropane	19.2		µg/l		20.0		96	70-130		
2,2-Dichloropropane	20.0		µg/l		20.0		100	70-130		
1,1-Dichloropropene	21.2		µg/l		20.0		106	70-130		
cis-1,3-Dichloropropene	19.8		µg/l		20.0		99	70-130		
trans-1,3-Dichloropropene	19.0		µg/l		20.0		95	70-130		
Ethylbenzene	18.1		µg/l		20.0		91	70-130		
Hexachlorobutadiene	15.7		µg/l		20.0		78	66.2-136		
2-Hexanone (MBK)	19.9		µg/l		20.0		99	70-130		
Isopropylbenzene	17.7		µg/l		20.0		89	70-130		
4-Isopropyltoluene	19.3		µg/l		20.0		97	70-130		
Methyl tert-butyl ether	18.7		µg/l		20.0		93	70-130		
4-Methyl-2-pentanone (MIBK)	20.3		µg/l		20.0		102	62.7-130		
Methylene chloride	19.2		µg/l		20.0		96	70-130		
Naphthalene	19.6		µg/l		20.0		98	70-130		
n-Propylbenzene	18.4		µg/l		20.0		92	70-130		
Styrene	18.8		µg/l		20.0		94	70-130		
1,1,1,2-Tetrachloroethane	18.0		µg/l		20.0		90	70-130		
1,1,2,2-Tetrachloroethane	19.0		µg/l		20.0		95	70-130		
Tetrachloroethene	17.7		µg/l		20.0		89	70-130		
Toluene	18.3		µg/l		20.0		91	70-130		
1,2,3-Trichlorobenzene	18.4		µg/l		20.0		92	70-130		
1,2,4-Trichlorobenzene	17.0		µg/l		20.0		85	70-130		
1,1,1-Trichloroethane	19.9		µg/l		20.0		99	70-130		
1,1,2-Trichloroethane	19.9		µg/l		20.0		100	70-130		
Trichloroethene	20.2		µg/l		20.0		101	70-130		
Trichlorofluoromethane (Freon 11)	19.5		µg/l		20.0		98	65.3-143		
1,2,3-Trichloropropane	21.5		µg/l		20.0		108	70-130		
1,2,4-Trimethylbenzene	17.6		µg/l		20.0		88	70-130		
1,3,5-Trimethylbenzene	18.2		µg/l		20.0		91	70-130		
Vinyl chloride	22.5		µg/l		20.0		112	70-130		
m,p-Xylene	36.4		µg/l		40.0		91	70-130		
o-Xylene	18.6		µg/l		20.0		93	70-130		
Tetrahydrofuran	22.8		µg/l		20.0		114	70-130		
Ethyl ether	20.7		µg/l		20.0		103	70-130		
Tert-amyl methyl ether	19.8		µg/l		20.0		99	70-130		
Ethyl tert-butyl ether	20.6		µg/l		20.0		103	70-130		
Di-isopropyl ether	21.1		µg/l		20.0		105	70-130		
Tert-Butanol / butyl alcohol	189		µg/l		200		94	70-130		
1,4-Dioxane	228		µg/l		200		114	61.2-138		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091285 - SW846 5030 Water MS										
LCS (7091285-BS1)										
Prepared & Analyzed: 20-Sep-07										
Surrogate: 4-Bromofluorobenzene	*28.7*		µg/l		*30.0*		*96*	*70-130*		
Surrogate: Toluene-d8	*28.7*		µg/l		*30.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.0*		µg/l		*30.0*		*97*	*70-130*		
Surrogate: Dibromofluoromethane	*29.1*		µg/l		*30.0*		*97*	*70-130*		
LCS Dup (7091285-BSD1)										
Prepared & Analyzed: 20-Sep-07										
1,1,2-Trichlorotrifluoroethane (Freon 113)	22.1		µg/l		20.0		110	70-130	1	25
Acetone	21.8		µg/l		20.0		109	6.52-146	14	50
Acrylonitrile	22.8		µg/l		20.0		114	70-130	5	25
Benzene	19.9		µg/l		20.0		100	70-130	2	25
Bromobenzene	17.7		µg/l		20.0		88	70-130	0.3	25
Bromochloromethane	19.7		µg/l		20.0		99	70-130	0.8	25
Bromodichloromethane	19.7		µg/l		20.0		98	70-130	0.7	25
Bromoform	18.3		µg/l		20.0		92	70-130	2	25
Bromomethane	17.8		µg/l		20.0		89	52-143	7	50
2-Butanone (MEK)	24.4		µg/l		20.0		122	27.9-134	5	50
n-Butylbenzene	18.6		µg/l		20.0		93	70-130	2	25
sec-Butylbenzene	18.7		µg/l		20.0		93	70-130	4	25
tert-Butylbenzene	18.3		µg/l		20.0		92	70-130	3	25
Carbon disulfide	23.7		µg/l		20.0		118	70-130	1	25
Carbon tetrachloride	18.4		µg/l		20.0		92	70-130	1	25
Chlorobenzene	17.7		µg/l		20.0		88	70-130	2	25
Chloroethane	20.7		µg/l		20.0		103	61.9-135	4	50
Chloroform	18.7		µg/l		20.0		94	70-130	0.8	25
Chloromethane	24.8		µg/l		20.0		124	70-130	5	25
2-Chlorotoluene	16.9		µg/l		20.0		84	70-130	7	25
4-Chlorotoluene	17.4		µg/l		20.0		87	70-130	2	25
1,2-Dibromo-3-chloropropane	20.1		µg/l		20.0		100	70-130	4	25
Dibromochloromethane	19.1		µg/l		20.0		95	67.6-140	3	50
1,2-Dibromoethane (EDB)	19.0		µg/l		20.0		95	70-130	4	25
Dibromomethane	19.9		µg/l		20.0		100	70-130	2	25
1,2-Dichlorobenzene	18.6		µg/l		20.0		93	70-130	2	25
1,3-Dichlorobenzene	17.3		µg/l		20.0		86	70-130	1	25
1,4-Dichlorobenzene	17.8		µg/l		20.0		89	70-130	0.6	25
Dichlorodifluoromethane (Freon12)	24.0		µg/l		20.0		120	39.5-171	2	50
1,1-Dichloroethane	21.2		µg/l		20.0		106	70-130	0.2	25
1,2-Dichloroethane	18.7		µg/l		20.0		93	70-130	2	25
1,1-Dichloroethene	21.6		µg/l		20.0		108	70-130	0.9	25
cis-1,2-Dichloroethene	20.1		µg/l		20.0		100	70-130	0.8	25
trans-1,2-Dichloroethene	20.3		µg/l		20.0		102	70-130	0.6	25
1,2-Dichloropropane	20.8		µg/l		20.0		104	70-130	2	25
1,3-Dichloropropane	19.9		µg/l		20.0		100	70-130	4	25
2,2-Dichloropropane	19.8		µg/l		20.0		99	70-130	0.7	25
1,1-Dichloropropene	21.9		µg/l		20.0		110	70-130	3	25
cis-1,3-Dichloropropene	19.6		µg/l		20.0		98	70-130	0.9	25
trans-1,3-Dichloropropene	19.6		µg/l		20.0		98	70-130	3	25
Ethylbenzene	17.9		µg/l		20.0		90	70-130	1	25
Hexachlorobutadiene	15.2		µg/l		20.0		76	66.2-136	3	50
2-Hexanone (MBK)	21.9		µg/l		20.0		110	70-130	10	25
Isopropylbenzene	17.4		µg/l		20.0		87	70-130	2	25

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091285 - SW846 5030 Water MS										
LCS Dup (7091285-BSD1)										
Prepared & Analyzed: 20-Sep-07										
4-Isopropyltoluene	18.9		µg/l		20.0		95	70-130	2	25
Methyl tert-butyl ether	19.3		µg/l		20.0		97	70-130	3	25
4-Methyl-2-pentanone (MIBK)	21.9		µg/l		20.0		109	62.7-130	7	50
Methylene chloride	19.4		µg/l		20.0		97	70-130	0.7	25
Naphthalene	20.5		µg/l		20.0		102	70-130	4	25
n-Propylbenzene	17.1		µg/l		20.0		86	70-130	7	25
Styrene	18.5		µg/l		20.0		92	70-130	2	25
1,1,1,2-Tetrachloroethane	17.8		µg/l		20.0		89	70-130	2	25
1,1,2,2-Tetrachloroethane	20.2		µg/l		20.0		101	70-130	6	25
Tetrachloroethene	17.9		µg/l		20.0		90	70-130	1	25
Toluene	18.3		µg/l		20.0		92	70-130	0.2	25
1,2,3-Trichlorobenzene	17.6		µg/l		20.0		88	70-130	4	25
1,2,4-Trichlorobenzene	16.7		µg/l		20.0		83	70-130	2	25
1,1,1-Trichloroethane	20.1		µg/l		20.0		100	70-130	1	25
1,1,2-Trichloroethane	20.5		µg/l		20.0		102	70-130	3	25
Trichloroethene	18.9		µg/l		20.0		95	70-130	7	25
Trichlorofluoromethane (Freon 11)	19.6		µg/l		20.0		98	65.3-143	0.2	50
1,2,3-Trichloropropane	22.3		µg/l		20.0		111	70-130	3	25
1,2,4-Trimethylbenzene	17.1		µg/l		20.0		86	70-130	3	25
1,3,5-Trimethylbenzene	17.0		µg/l		20.0		85	70-130	7	25
Vinyl chloride	21.6		µg/l		20.0		108	70-130	4	25
m,p-Xylene	35.1		µg/l		40.0		88	70-130	4	25
o-Xylene	18.6		µg/l		20.0		93	70-130	0.05	25
Tetrahydrofuran	24.7		µg/l		20.0		124	70-130	8	25
Ethyl ether	21.8		µg/l		20.0		109	70-130	5	50
Tert-amyl methyl ether	20.3		µg/l		20.0		102	70-130	3	25
Ethyl tert-butyl ether	21.0		µg/l		20.0		105	70-130	2	25
Di-isopropyl ether	21.8		µg/l		20.0		109	70-130	4	25
Tert-Butanol / butyl alcohol	202		µg/l		200		101	70-130	7	25
1,4-Dioxane	242		µg/l		200		121	61.2-138	6	25
Surrogate: 4-Bromofluorobenzene	*28.5*		µg/l		*30.0*		*95*	*70-130*		
Surrogate: Toluene-d8	*29.1*		µg/l		*30.0*		*97*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*29.8*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: Dibromofluoromethane	*29.2*		µg/l		*30.0*		*98*	*70-130*		
Matrix Spike (7091285-MS1) **Source: SA68033-05**										
Prepared & Analyzed: 20-Sep-07										
Benzene	22.0		µg/l		20.0	BRL	110	70-130		
Chlorobenzene	21.5		µg/l		20.0	BRL	108	70-130		
1,1-Dichloroethene	21.2		µg/l		20.0	BRL	106	70-130		
Toluene	21.8		µg/l		20.0	BRL	109	70-130		
Trichloroethene	22.0		µg/l		20.0	BRL	110	70-130		
Surrogate: 4-Bromofluorobenzene	*29.7*		µg/l		*30.0*		*99*	*70-130*		
Surrogate: Toluene-d8	*30.2*		µg/l		*30.0*		*101*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.1*		µg/l		*30.0*		*100*	*70-130*		
Surrogate: Dibromofluoromethane	*29.1*		µg/l		*30.0*		*97*	*70-130*		
Matrix Spike Dup (7091285-MSD1) **Source: SA68033-05**										
Prepared & Analyzed: 20-Sep-07										
Benzene	21.9		µg/l		20.0	BRL	109	70-130	0.3	30
Chlorobenzene	20.2		µg/l		20.0	BRL	101	70-130	6	30
1,1-Dichloroethene	20.2		µg/l		20.0	BRL	101	70-130	5	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091285 - SW846 5030 Water MS										
Matrix Spike Dup (7091285-MSD1) Source: SA68033-05										
Prepared & Analyzed: 20-Sep-07										
Toluene	20.8		µg/l		20.0	BRL	104	70-130	5	30
Trichloroethene	21.6		µg/l		20.0	BRL	108	70-130	2	30
Surrogate: 4-Bromofluorobenzene	*29.4*		µg/l		*30.0*		*98*	*70-130*		
Surrogate: Toluene-d8	*28.9*		µg/l		*30.0*		*96*	*70-130*		
Surrogate: 1,2-Dichloroethane-d4	*30.4*		µg/l		*30.0*		*102*	*70-130*		
Surrogate: Dibromofluoromethane	*29.0*		µg/l		*30.0*		*96*	*70-130*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091210 - SW846 3510C										
Blank (7091210-BLK1)										
Prepared & Analyzed: 19-Sep-07										
alpha-BHC	BRL	U	µg/l	0.1000						
alpha-BHC [2C]	BRL	U	µg/l	0.1000						
beta-BHC	BRL	U	µg/l	0.1000						
beta-BHC [2C]	BRL	U	µg/l	0.1000						
delta-BHC	BRL	U	µg/l	0.1000						
delta-BHC [2C]	BRL	U	µg/l	0.1000						
gamma-BHC (Lindane)	BRL	U	µg/l	0.1000						
gamma-BHC (Lindane) [2C]	BRL	U	µg/l	0.1000						
Heptachlor	BRL	U	µg/l	0.1000						
Heptachlor [2C]	BRL	U	µg/l	0.1000						
Aldrin	BRL	U	µg/l	0.1000						
Aldrin [2C]	BRL	U	µg/l	0.1000						
Heptachlor epoxide	BRL	U	µg/l	0.1000						
Heptachlor Epoxide [2C]	BRL	U	µg/l	0.1000						
Endosulfan I	BRL	U	µg/l	0.1000						
Endosulfan I [2C]	BRL	U	µg/l	0.1000						
Dieldrin	BRL	U	µg/l	0.1000						
Dieldrin [2C]	BRL	U	µg/l	0.1000						
4,4'-DDE (p,p')	BRL	U	µg/l	0.1000						
4,4'-DDE (p,p') [2C]	BRL	U	µg/l	0.1000						
Endrin	BRL	U	µg/l	0.1000						
Endrin [2C]	BRL	U	µg/l	0.1000						
Endosulfan II	BRL	U	µg/l	0.1000						
Endosulfan II [2C]	BRL	U	µg/l	0.1000						
4,4'-DDD (p,p')	BRL	U	µg/l	0.1000						
4,4'-DDD (p,p') [2C]	BRL	U	µg/l	0.1000						
Endosulfan sulfate	BRL	U	µg/l	0.1000						
Endosulfan Sulfate [2C]	BRL	U	µg/l	0.1000						
4,4'-DDT (p,p')	BRL	U	µg/l	0.1000						
4,4'-DDT (p,p') [2C]	BRL	U	µg/l	0.1000						
Methoxychlor	BRL	U	µg/l	0.1000						
Methoxychlor [2C]	BRL	U	µg/l	0.1000						
Endrin ketone	BRL	U	µg/l	0.1000						
Endrin ketone [2C]	BRL	U	µg/l	0.1000						
Endrin aldehyde	BRL	U	µg/l	0.1000						
Endrin Aldehyde [2C]	BRL	U	µg/l	0.1000						
alpha-Chlordane	BRL	U	µg/l	0.1000						
alpha-Chlordane [2C]	BRL	U	µg/l	0.1000						
gamma-Chlordane	BRL	U	µg/l	0.1000						
gamma-Chlordane [2C]	BRL	U	µg/l	0.1000						
Toxaphene	BRL	U	µg/l	0.5000						
Toxaphene [2C]	BRL	U	µg/l	0.5000						
Chlordane	BRL	U	µg/l	0.5000						
Chlordane [2C]	BRL	U	µg/l	0.5000						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0937*		µg/l		*0.200*		*47*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.0914*		µg/l		*0.200*		*46*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.166*		µg/l		*0.200*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.175*		µg/l		*0.200*		*88*	*30-150*		
LCS (7091210-BS1)										
Prepared & Analyzed: 19-Sep-07										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091210 - SW846 3510C										
LCS (7091210-BS1)										
Prepared & Analyzed: 19-Sep-07										
alpha-BHC	0.1630		µg/l	0.1000				40-140		
alpha-BHC [2C]	0.1598		µg/l	0.1000				40-140		
beta-BHC	0.1624		µg/l	0.1000				40-140		
beta-BHC [2C]	0.2094		µg/l	0.1000				40-140		
delta-BHC	0.1499		µg/l	0.1000				40-140		
delta-BHC [2C]	0.1442		µg/l	0.1000				40-140		
gamma-BHC (Lindane)	0.1692		µg/l	0.1000				50-120		
gamma-BHC (Lindane) [2C]	0.1626		µg/l	0.1000				50-120		
Heptachlor	0.1799		µg/l	0.1000	0.200		90	40-140		
Heptachlor [2C]	0.1760		µg/l	0.1000				40-140		
Aldrin	0.1738		µg/l	0.1000	0.200		87	40-140		
Aldrin [2C]	0.1733		µg/l	0.1000				40-140		
Heptachlor epoxide	0.1809		µg/l	0.1000	0.200		90	50-150		
Heptachlor Epoxide [2C]	0.1839		µg/l	0.1000				50-150		
Endosulfan I	0.1875		µg/l	0.1000	0.200		94	40-140		
Endosulfan I [2C]	0.1888		µg/l	0.1000				40-140		
Dieldrin	0.1836		µg/l	0.1000	0.200		92	30-130		
Dieldrin [2C]	0.1848		µg/l	0.1000				30-130		
4,4'-DDE (p,p')	0.1827		µg/l	0.1000	0.200		91	50-150		
4,4'-DDE (p,p') [2C]	0.1849		µg/l	0.1000				50-150		
Endrin	0.1833		µg/l	0.1000	0.200		92	50-120		
Endrin [2C]	0.1968		µg/l	0.1000				50-120		
Endosulfan II	0.1869		µg/l	0.1000	0.200		93	40-140		
Endosulfan II [2C]	0.2013		µg/l	0.1000				40-140		
4,4'-DDD (p,p')	0.1824		µg/l	0.1000	0.200		91	40-140		
4,4'-DDD (p,p') [2C]	0.1877		µg/l	0.1000				40-140		
Endosulfan sulfate	0.1790		µg/l	0.1000	0.200		90	50-120		
Endosulfan Sulfate [2C]	0.1949		µg/l	0.1000				50-120		
4,4'-DDT (p,p')	0.1863		µg/l	0.1000	0.200		93	40-140		
4,4'-DDT (p,p') [2C]	0.2052		µg/l	0.1000				40-140		
Methoxychlor	0.1681		µg/l	0.1000	0.200		84	40-140		
Methoxychlor [2C]	0.2013		µg/l	0.1000				40-140		
Endrin ketone	0.1828		µg/l	0.1000	0.200		91	40-140		
Endrin ketone [2C]	0.1935		µg/l	0.1000				40-140		
Endrin aldehyde	0.1668		µg/l	0.1000	0.200		83	40-140		
Endrin Aldehyde [2C]	0.1654		µg/l	0.1000				40-140		
alpha-Chlordane	0.1870		µg/l	0.1000	0.200		93	40-140		
alpha-Chlordane [2C]	0.1937		µg/l	0.1000				40-140		
gamma-Chlordane	0.1880		µg/l	0.1000	0.200		94	30-130		
gamma-Chlordane [2C]	0.1904		µg/l	0.1000				30-130		
Toxaphene	BRL	U	µg/l	0.5000				40-140		
Toxaphene [2C]	BRL	U	µg/l	0.5000				40-140		
Chlordane	BRL	U	µg/l	0.5000				40-140		
Chlordane [2C]	BRL	U	µg/l	0.5000				40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0896*		µg/l		*0.200*		*45*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.0852*		µg/l		*0.200*		*43*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.130*		µg/l		*0.200*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.160*		µg/l		*0.200*		*80*	*30-150*		
LCS Dup (7091210-BSD1)										
Prepared & Analyzed: 19-Sep-07										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091210 - SW846 3510C										
LCS Dup (7091210-BSD1)										
Prepared & Analyzed: 19-Sep-07										
alpha-BHC	0.1700		µg/l	0.1000				40-140		20
alpha-BHC [2C]	0.1666		µg/l	0.1000				40-140		20
beta-BHC	0.1669		µg/l	0.1000				40-140		20
beta-BHC [2C]	0.2129		µg/l	0.1000				40-140		20
delta-BHC	0.1481		µg/l	0.1000				40-140		20
delta-BHC [2C]	0.1480		µg/l	0.1000				40-140		20
gamma-BHC (Lindane)	0.1735		µg/l	0.1000				50-120		20
gamma-BHC (Lindane) [2C]	0.1688		µg/l	0.1000				50-120		20
Heptachlor	0.1834		µg/l	0.1000	0.200		92	40-140	2	20
Heptachlor [2C]	0.1857		µg/l	0.1000				40-140		20
Aldrin	0.1784		µg/l	0.1000	0.200		89	40-140	3	20
Aldrin [2C]	0.1782		µg/l	0.1000				40-140		20
Heptachlor epoxide	0.1853		µg/l	0.1000	0.200		93	50-150	2	20
Heptachlor Epoxide [2C]	0.1906		µg/l	0.1000				50-150		20
Endosulfan I	0.1877		µg/l	0.1000	0.200		94	40-140	0.1	20
Endosulfan I [2C]	0.1911		µg/l	0.1000				40-140		20
Dieldrin	0.1928		µg/l	0.1000	0.200		96	30-130	5	20
Dieldrin [2C]	0.1929		µg/l	0.1000				30-130		20
4,4'-DDE (p,p')	0.1839		µg/l	0.1000	0.200		92	50-150	0.7	20
4,4'-DDE (p,p') [2C]	0.1853		µg/l	0.1000				50-150		20
Endrin	0.1918		µg/l	0.1000	0.200		96	50-120	5	20
Endrin [2C]	0.2024		µg/l	0.1000				50-120		20
Endosulfan II	0.1960		µg/l	0.1000	0.200		98	40-140	5	20
Endosulfan II [2C]	0.1966		µg/l	0.1000				40-140		20
4,4'-DDD (p,p')	0.1857		µg/l	0.1000	0.200		93	40-140	2	20
4,4'-DDD (p,p') [2C]	0.1922		µg/l	0.1000				40-140		20
Endosulfan sulfate	0.1846		µg/l	0.1000	0.200		92	50-120	3	20
Endosulfan Sulfate [2C]	0.1987		µg/l	0.1000				50-120		20
4,4'-DDT (p,p')	0.1871		µg/l	0.1000	0.200		94	40-140	0.4	20
4,4'-DDT (p,p') [2C]	0.2089		µg/l	0.1000				40-140		20
Methoxychlor	0.1964		µg/l	0.1000	0.200		98	40-140	16	20
Methoxychlor [2C]	0.2152		µg/l	0.1000				40-140		20
Endrin ketone	0.1874		µg/l	0.1000	0.200		94	40-140	3	20
Endrin ketone [2C]	0.1985		µg/l	0.1000				40-140		20
Endrin aldehyde	0.1731		µg/l	0.1000	0.200		87	40-140	4	20
Endrin Aldehyde [2C]	0.1706		µg/l	0.1000				40-140		20
alpha-Chlordane	0.1924		µg/l	0.1000	0.200		96	40-140	3	20
alpha-Chlordane [2C]	0.1949		µg/l	0.1000				40-140		20
gamma-Chlordane	0.1916		µg/l	0.1000	0.200		96	30-130	2	20
gamma-Chlordane [2C]	0.1918		µg/l	0.1000				30-130		20
Toxaphene	BRL	U	µg/l	0.5000				40-140		20
Toxaphene [2C]	BRL	U	µg/l	0.5000				40-140		20
Chlordane	BRL	U	µg/l	0.5000				40-140		20
Chlordane [2C]	BRL	U	µg/l	0.5000				40-140		20
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0894*		µg/l		*0.200*		*45*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.0885*		µg/l		*0.200*		*44*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*0.137*		µg/l		*0.200*		*68*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.169*		µg/l		*0.200*		*84*	*30-150*		
Batch 7091211 - SW846 3510C										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091211 - SW846 3510C										
Blank (7091211-BLK1)										
Prepared & Analyzed: 19-Sep-07										
Aroclor-1016	BRL	U	µg/l	0.200						
Aroclor-1016 [2C]	BRL	U	µg/l	0.200						
Aroclor-1221	BRL	U	µg/l	0.200						
Aroclor-1221 [2C]	BRL	U	µg/l	0.200						
Aroclor-1232	BRL	U	µg/l	0.200						
Aroclor-1232 [2C]	BRL	U	µg/l	0.200						
Aroclor-1242	BRL	U	µg/l	0.200						
Aroclor-1242 [2C]	BRL	U	µg/l	0.200						
Aroclor-1248	BRL	U	µg/l	0.200						
Aroclor-1248 [2C]	BRL	U	µg/l	0.200						
Aroclor-1254	BRL	U	µg/l	0.200						
Aroclor-1254 [2C]	BRL	U	µg/l	0.200						
Aroclor-1260	BRL	U	µg/l	0.200						
Aroclor-1260 [2C]	BRL	U	µg/l	0.200						
Aroclor-1262	BRL	U	µg/l	0.200						
Aroclor-1262 [2C]	BRL	U	µg/l	0.200						
Aroclor-1268	BRL	U	µg/l	0.200						
Aroclor-1268 [2C]	BRL	U	µg/l	0.200						
Surrogate: Decachlorobiphenyl (Sr)	*0.150*		µg/l		*0.200*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.140*		µg/l		*0.200*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0800*		µg/l		*0.200*		*40*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.0800*		µg/l		*0.200*		*40*	*30-150*		
LCS (7091211-BS1)										
Prepared & Analyzed: 19-Sep-07										
Aroclor-1016	2.47		µg/l	0.200	2.50		99	50-140		
Aroclor-1016 [2C]	2.32		µg/l	0.200	2.50		93	50-140		
Aroclor-1260	2.47		µg/l	0.200	2.50		99	50-140		
Aroclor-1260 [2C]	2.42		µg/l	0.200	2.50		97	50-140		
Surrogate: Decachlorobiphenyl (Sr)	*0.130*		µg/l		*0.200*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.150*		µg/l		*0.200*		*75*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0800*		µg/l		*0.200*		*40*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.0800*		µg/l		*0.200*		*40*	*30-150*		
LCS Dup (7091211-BSD1)										
Prepared & Analyzed: 19-Sep-07										
Aroclor-1016	2.40		µg/l	0.200	2.50		96	50-140	3	30
Aroclor-1016 [2C]	2.37		µg/l	0.200	2.50		95	50-140	2	30
Aroclor-1260	2.46		µg/l	0.200	2.50		98	50-140	0.4	30
Aroclor-1260 [2C]	2.43		µg/l	0.200	2.50		97	50-140	0.4	30
Surrogate: Decachlorobiphenyl (Sr)	*0.130*		µg/l		*0.200*		*65*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*0.140*		µg/l		*0.200*		*70*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0800*		µg/l		*0.200*		*40*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.0800*		µg/l		*0.200*		*40*	*30-150*		
Batch 7091213 - SW846 3510C										
Blank (7091213-BLK1)										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
2,4,5-T	BRL	U	µg/l	0.0100						
2,4,5-T [2C]	BRL	U	µg/l	0.0100						
2,4,5-TP (Silvex)	BRL	U	µg/l	0.0100						
2,4,5-TP (Silvex) [2C]	BRL	U	µg/l	0.0100						
2,4-D	BRL	U	µg/l	0.0100						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091213 - SW846 3510C										
Blank (7091213-BLK1)										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
2,4-D [2C]	BRL	U	µg/l	0.0100						
2,4-DB	BRL	U	µg/l	0.0100						
2,4-DB [2C]	BRL	U	µg/l	0.0100						
Dalapon	BRL	U	µg/l	0.0100						
Dalapon [2C]	BRL	U	µg/l	0.0100						
Dicamba	BRL	U	µg/l	0.0100						
Dicamba [2C]	BRL	U	µg/l	0.0100						
Dichlorprop	BRL	U	µg/l	0.0100						
Dichlorprop [2C]	BRL	U	µg/l	0.0100						
Dinoseb	BRL	U	µg/l	0.0100						
Dinoseb [2C]	BRL	U	µg/l	0.0100						
MCPA	BRL	U	µg/l	1.50						
MCPA [2C]	BRL	U	µg/l	1.50						
MCPB	BRL	U	µg/l	1.50						
MCPB [2C]	BRL	U	µg/l	1.50						
MCPP	BRL	U	µg/l	1.50						
MCPP [2C]	BRL	U	µg/l	1.50						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.100*		µg/l		*0.200*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.105*		µg/l		*0.200*		*52*	*30-150*		
LCS (7091213-BS1)										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
2,4,5-T	0.371		µg/l	0.0100	0.500		74	40-140		
2,4,5-T [2C]	0.246		µg/l	0.0100	0.500		49	40-140		
2,4,5-TP (Silvex)	0.443		µg/l	0.0100	0.500		89	40-140		
2,4,5-TP (Silvex) [2C]	0.345		µg/l	0.0100	0.500		69	40-140		
2,4-D	0.201		µg/l	0.0100	0.500		40	40-140		
2,4-D [2C]	0.150		µg/l	0.0100	0.500		30	40-140		
2,4-DB	0.406		µg/l	0.0100	0.500		81	40-140		
2,4-DB [2C]	0.226		µg/l	0.0100	0.500		45	40-140		
Dalapon	0.305		µg/l	0.0100	0.500		61	40-140		
Dalapon [2C]	0.331		µg/l	0.0100	0.500		66	40-140		
Dicamba	0.412		µg/l	0.0100	0.500		82	40-140		
Dicamba [2C]	0.323		µg/l	0.0100	0.500		65	40-140		
Dichlorprop	0.380		µg/l	0.0100	0.500		76	40-140		
Dichlorprop [2C]	0.243		µg/l	0.0100	0.500		49	40-140		
Dinoseb	0.565		µg/l	0.0100	0.500		113	40-140		
Dinoseb [2C]	0.213		µg/l	0.0100	0.500		43	40-140		
MCPA	BRL	U	µg/l	1.50				40-140		
MCPA [2C]	BRL	U	µg/l	1.50				40-140		
MCPB	BRL	U	µg/l	1.50				40-140		
MCPB [2C]	BRL	U	µg/l	1.50				40-140		
MCPP	BRL	U	µg/l	1.50				40-140		
MCPP [2C]	BRL	U	µg/l	1.50				40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.136*		µg/l		*0.200*		*68*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.109*		µg/l		*0.200*		*54*	*30-150*		
LCS (7091213-BS2)										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
2,4,5-T	BRL	U	µg/l	0.0100				40-140		
2,4,5-T [2C]	BRL	U	µg/l	0.0100				40-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091213 - SW846 3510C										
LCS (7091213-BS2)										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
2,4,5-TP (Silvex)	BRL	U	µg/l	0.0100				40-140		
2,4,5-TP (Silvex) [2C]	BRL	U	µg/l	0.0100				40-140		
2,4-D	BRL	U	µg/l	0.0100				40-140		
2,4-D [2C]	BRL	U	µg/l	0.0100				40-140		
2,4-DB	BRL	U	µg/l	0.0100				40-140		
2,4-DB [2C]	BRL	U	µg/l	0.0100				40-140		
Dalapon	BRL	U	µg/l	0.0100				40-140		
Dalapon [2C]	BRL	U	µg/l	0.0100				40-140		
Dicamba	BRL	U	µg/l	0.0100				40-140		
Dicamba [2C]	BRL	U	µg/l	0.0100				40-140		
Dichlorprop	BRL	U	µg/l	0.0100				40-140		
Dichlorprop [2C]	BRL	U	µg/l	0.0100				40-140		
Dinoseb	BRL	U	µg/l	0.0100				40-140		
Dinoseb [2C]	BRL	U	µg/l	0.0100				40-140		
MCPA	66.9		µg/l	1.50	150		45	40-140		
MCPA [2C]	53.1		µg/l	1.50	150		35	40-140		
MCPB	81.4		µg/l	1.50	150		54	40-140		
MCPB [2C]	47.8		µg/l	1.50	150		32	40-140		
MCPP	97.2		µg/l	1.50	150		65	40-140		
MCPP [2C]	75.5		µg/l	1.50	150		50	40-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.0990*		µg/l		*0.200*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.0890*		µg/l		*0.200*		*44*	*30-150*		
LCS Dup (7091213-BSD1)										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
2,4,5-T	0.366		µg/l	0.0100	0.500		73	40-140	1	25
2,4,5-T [2C]	0.254		µg/l	0.0100	0.500		51	40-140	3	25
2,4,5-TP (Silvex)	0.459		µg/l	0.0100	0.500		92	40-140	4	25
2,4,5-TP (Silvex) [2C]	0.349		µg/l	0.0100	0.500		70	40-140	1	25
2,4-D	0.200		µg/l	0.0100	0.500		40	40-140	0.5	25
2,4-D [2C]	0.168		µg/l	0.0100	0.500		34	40-140	11	25
2,4-DB	0.401		µg/l	0.0100	0.500		80	40-140	1	25
2,4-DB [2C]	0.234		µg/l	0.0100	0.500		47	40-140	3	25
Dalapon	0.307		µg/l	0.0100	0.500		61	40-140	0.7	25
Dalapon [2C]	0.329		µg/l	0.0100	0.500		66	40-140	0.6	25
Dicamba	0.427		µg/l	0.0100	0.500		85	40-140	4	25
Dicamba [2C]	0.325		µg/l	0.0100	0.500		65	40-140	0.6	25
Dichlorprop	0.391		µg/l	0.0100	0.500		78	40-140	3	25
Dichlorprop [2C]	0.248		µg/l	0.0100	0.500		50	40-140	2	25
Dinoseb	0.584		µg/l	0.0100	0.500		117	40-140	3	25
Dinoseb [2C]	0.218		µg/l	0.0100	0.500		44	40-140	2	25
MCPA	BRL	U	µg/l	1.50				40-140		25
MCPA [2C]	BRL	U	µg/l	1.50				40-140		25
MCPB	BRL	U	µg/l	1.50				40-140		25
MCPB [2C]	BRL	U	µg/l	1.50				40-140		25
MCPP	BRL	U	µg/l	1.50				40-140		25
MCPP [2C]	BRL	U	µg/l	1.50				40-140		25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.142*		µg/l		*0.200*		*71*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.110*		µg/l		*0.200*		*55*	*30-150*		
LCS Dup (7091213-BSD2)										

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091213 - SW846 3510C										
Prepared: 19-Sep-07 Analyzed: 21-Sep-07										
2,4,5-T	BRL	U	µg/l	0.0100				40-140		25
2,4,5-T [2C]	BRL	U	µg/l	0.0100				40-140		25
2,4,5-TP (Silvex)	BRL	U	µg/l	0.0100				40-140		25
2,4,5-TP (Silvex) [2C]	BRL	U	µg/l	0.0100				40-140		25
2,4-D	BRL	U	µg/l	0.0100				40-140		25
2,4-D [2C]	BRL	U	µg/l	0.0100				40-140		25
2,4-DB	BRL	U	µg/l	0.0100				40-140		25
2,4-DB [2C]	BRL	U	µg/l	0.0100				40-140		25
Dalapon	BRL	U	µg/l	0.0100				40-140		25
Dalapon [2C]	BRL	U	µg/l	0.0100				40-140		25
Dicamba	BRL	U	µg/l	0.0100				40-140		25
Dicamba [2C]	BRL	U	µg/l	0.0100				40-140		25
Dichlorprop	BRL	U	µg/l	0.0100				40-140		25
Dichlorprop [2C]	BRL	U	µg/l	0.0100				40-140		25
Dinoseb	BRL	U	µg/l	0.0100				40-140		25
Dinoseb [2C]	BRL	U	µg/l	0.0100				40-140		25
MCPA	67.3		µg/l	1.50	150		45	40-140	0.7	25
MCPA [2C]	55.9		µg/l	1.50	150		37	40-140	5	25
MCPB	82.4		µg/l	1.50	150		55	40-140	1	25
MCPB [2C]	50.5		µg/l	1.50	150		34	40-140	5	25
MCPP	102		µg/l	1.50	150		68	40-140	5	25
MCPP [2C]	77.7		µg/l	1.50	150		52	40-140	3	25
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*0.100*		µg/l		*0.200*		*50*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2	*0.0970*		µg/l		*0.200*		*48*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091138 - SW846 3510C										
Blank (7091138-BLK1)										
Prepared & Analyzed: 19-Sep-07										
Acenaphthene	BRL	U	µg/l	5.00						
Acenaphthylene	BRL	U	µg/l	5.00						
Aniline	BRL	U	µg/l	5.00						
Anthracene	BRL	U	µg/l	5.00						
Atrazine	BRL	U	µg/l	5.00						
Azobenzene/Diphenyldiazine	BRL	U	µg/l	5.00						
Benzidine	BRL	U	µg/l	5.00						
Benzo (a) anthracene	BRL	U	µg/l	5.00						
Benzo (a) pyrene	BRL	U	µg/l	5.00						
Benzo (b) fluoranthene	BRL	U	µg/l	5.00						
Benzo (g,h,i) perylene	BRL	U	µg/l	5.00						
Benzo (k) fluoranthene	BRL	U	µg/l	5.00						
Benzoic acid	BRL	U	µg/l	5.00						
Benzyl alcohol	BRL	U	µg/l	5.00						
Bis(2-chloroethoxy)methane	BRL	U	µg/l	5.00						
Bis(2-chloroethyl)ether	BRL	U	µg/l	5.00						
Bis(2-chloroisopropyl)ether	BRL	U	µg/l	5.00						
Bis(2-ethylhexyl)phthalate	BRL	U	µg/l	5.00						
4-Bromophenyl phenyl ether	BRL	U	µg/l	5.00						
Butyl benzyl phthalate	BRL	U	µg/l	5.00						
Carbazole	BRL	U	µg/l	5.00						
4-Chloro-3-methylphenol	BRL	U	µg/l	5.00						
4-Chloroaniline	BRL	U	µg/l	5.00						
2-Chloronaphthalene	BRL	U	µg/l	5.00						
2-Chlorophenol	BRL	U	µg/l	5.00						
4-Chlorophenyl phenyl ether	BRL	U	µg/l	5.00						
Chrysene	BRL	U	µg/l	5.00						
Dibenzo (a,h) anthracene	BRL	U	µg/l	5.00						
Dibenzofuran	BRL	U	µg/l	5.00						
1,2-Dichlorobenzene	BRL	U	µg/l	5.00						
1,3-Dichlorobenzene	BRL	U	µg/l	5.00						
1,4-Dichlorobenzene	BRL	U	µg/l	5.00						
3,3´-Dichlorobenzidine	BRL	U	µg/l	5.00						
2,4-Dichlorophenol	BRL	U	µg/l	5.00						
Diethyl phthalate	BRL	U	µg/l	5.00						
Dimethyl phthalate	BRL	U	µg/l	5.00						
2,4-Dimethylphenol	BRL	U	µg/l	5.00						
Di-n-butyl phthalate	BRL	U	µg/l	5.00						
4,6-Dinitro-2-methylphenol	BRL	U	µg/l	5.00						
2,4-Dinitrophenol	BRL	U	µg/l	5.00						
2,4-Dinitrotoluene	BRL	U	µg/l	5.00						
2,6-Dinitrotoluene	BRL	U	µg/l	5.00						
Di-n-octyl phthalate	BRL	U	µg/l	5.00						
Fluoranthene	BRL	U	µg/l	5.00						
Fluorene	BRL	U	µg/l	5.00						
Hexachlorobenzene	BRL	U	µg/l	5.00						
Hexachlorobutadiene	BRL	U	µg/l	5.00						
Hexachlorocyclopentadiene	BRL	U	µg/l	5.00						
Hexachloroethane	BRL	U	µg/l	5.00						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091138 - SW846 3510C										
Blank (7091138-BLK1)										
Prepared & Analyzed: 19-Sep-07										
Indeno (1,2,3-cd) pyrene	BRL	U	µg/l	5.00						
Isophorone	BRL	U	µg/l	5.00						
2-Methylnaphthalene	BRL	U	µg/l	5.00						
2-Methylphenol	BRL	U	µg/l	5.00						
3,4-Methylphenol	BRL	U	µg/l	10.0						
Naphthalene	BRL	U	µg/l	5.00						
2-Nitroaniline	BRL	U	µg/l	5.00						
3-Nitroaniline	BRL	U	µg/l	5.00						
4-Nitroaniline	BRL	U	µg/l	20.0						
Nitrobenzene	BRL	U	µg/l	5.00						
2-Nitrophenol	BRL	U	µg/l	5.00						
4-Nitrophenol	BRL	U	µg/l	20.0						
N-Nitrosodimethylamine	BRL	U	µg/l	5.00						
N-Nitrosodi-n-propylamine	BRL	U	µg/l	5.00						
N-Nitrosodiphenylamine	BRL	U	µg/l	5.00						
Pentachlorophenol	BRL	U	µg/l	20.0						
Phenanthrene	BRL	U	µg/l	5.00						
Phenol	BRL	U	µg/l	5.00						
Pyrene	BRL	U	µg/l	5.00						
Pyridine	BRL	U	µg/l	5.00						
1-Methylnaphthalene	BRL	U	µg/l	5.00						
1,2,4-Trichlorobenzene	BRL	U	µg/l	5.00						
2,4,5-Trichlorophenol	BRL	U	µg/l	5.00						
2,4,6-Trichlorophenol	BRL	U	µg/l	5.00						
Surrogate: 2-Fluorobiphenyl	*40.6*		µg/l		*50.0*		*81*	*30-130*		
Surrogate: 2-Fluorophenol	*42.3*		µg/l		*50.0*		*85*	*15-110*		
Surrogate: Nitrobenzene-d5	*41.8*		µg/l		*50.0*		*84*	*30-130*		
Surrogate: Phenol-d5	*39.5*		µg/l		*50.0*		*79*	*15-110*		
Surrogate: Terphenyl-dl4	*38.9*		µg/l		*50.0*		*78*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*41.8*		µg/l		*50.0*		*84*	*15-110*		
LCS (7091138-BS1)										
Prepared & Analyzed: 19-Sep-07										
Acenaphthene	45.2		µg/l	5.00	50.0		90	40-130		
Acenaphthylene	42.0		µg/l	5.00	50.0		84	40-130		
Aniline	28.4		µg/l	5.00	50.0		57	40-130		
Anthracene	42.5		µg/l	5.00	50.0		85	40-130		
Atrazine	24.8		µg/l	5.00	50.0		50	40-130		
Azobenzene/Diphenyldiazine	39.8		µg/l	5.00	50.0		80	40-130		
Benzidine	5.56		µg/l	5.00	50.0		11	0-251		
Benzo (a) anthracene	48.8		µg/l	5.00	50.0		98	40-130		
Benzo (a) pyrene	46.6		µg/l	5.00	50.0		93	40-130		
Benzo (b) fluoranthene	52.6		µg/l	5.00	50.0		105	40-130		
Benzo (g,h,i) perylene	44.6		µg/l	5.00	50.0		89	40-130		
Benzo (k) fluoranthene	34.2		µg/l	5.00	50.0		68	40-130		
Benzoic acid	51.7		µg/l	5.00	50.0		103	0-130		
Benzyl alcohol	37.1		µg/l	5.00	50.0		74	40-130		
Bis(2-chloroethoxy)methane	47.0		µg/l	5.00	50.0		94	40-130		
Bis(2-chloroethyl)ether	45.2		µg/l	5.00	50.0		90	40-130		
Bis(2-chloroisopropyl)ether	39.5		µg/l	5.00	50.0		79	40-130		
Bis(2-ethylhexyl)phthalate	47.3		µg/l	5.00	50.0		95	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091138 - SW846 3510C										
LCS (7091138-BS1)										
Prepared & Analyzed: 19-Sep-07										
4-Bromophenyl phenyl ether	47.7		µg/l	5.00	50.0		95	40-130		
Butyl benzyl phthalate	48.0		µg/l	5.00	50.0		96	40-130		
Carbazole	44.4		µg/l	5.00	50.0		89	40-130		
4-Chloro-3-methylphenol	50.1		µg/l	5.00	50.0		100	40-130		
4-Chloroaniline	31.0		µg/l	5.00	50.0		62	40-130		
2-Chloronaphthalene	43.0		µg/l	5.00	50.0		86	40-130		
2-Chlorophenol	40.7		µg/l	5.00	50.0		81	40-130		
4-Chlorophenyl phenyl ether	34.4		µg/l	5.00	50.0		69	40-130		
Chrysene	47.2		µg/l	5.00	50.0		94	40-130		
Dibenzo (a,h) anthracene	46.0		µg/l	5.00	50.0		92	40-130		
Dibenzofuran	42.2		µg/l	5.00	50.0		84	40-130		
1,2-Dichlorobenzene	41.0		µg/l	5.00	50.0		82	40-130		
1,3-Dichlorobenzene	40.4		µg/l	5.00	50.0		81	40-130		
1,4-Dichlorobenzene	40.2		µg/l	5.00	50.0		80	40-130		
3,3´-Dichlorobenzidine	37.5		µg/l	5.00	50.0		75	40-130		
2,4-Dichlorophenol	46.7		µg/l	5.00	50.0		93	40-130		
Diethyl phthalate	43.9		µg/l	5.00	50.0		88	40-130		
Dimethyl phthalate	43.9		µg/l	5.00	50.0		88	40-130		
2,4-Dimethylphenol	46.6		µg/l	5.00	50.0		93	40-130		
Di-n-butyl phthalate	41.6		µg/l	5.00	50.0		83	40-130		
4,6-Dinitro-2-methylphenol	42.7		µg/l	5.00	50.0		85	40-130		
2,4-Dinitrophenol	43.8		µg/l	5.00	50.0		88	40-130		
2,4-Dinitrotoluene	44.3		µg/l	5.00	50.0		89	40-130		
2,6-Dinitrotoluene	43.1		µg/l	5.00	50.0		86	40-130		
Di-n-octyl phthalate	46.3		µg/l	5.00	50.0		93	40-130		
Fluoranthene	44.4		µg/l	5.00	50.0		89	40-130		
Fluorene	36.3		µg/l	5.00	50.0		73	40-130		
Hexachlorobenzene	46.1		µg/l	5.00	50.0		92	40-130		
Hexachlorobutadiene	43.2		µg/l	5.00	50.0		86	40-130		
Hexachlorocyclopentadiene	43.1		µg/l	5.00	50.0		86	40-130		
Hexachloroethane	36.0		µg/l	5.00	50.0		72	40-130		
Indeno (1,2,3-cd) pyrene	48.5		µg/l	5.00	50.0		97	40-130		
Isophorone	44.6		µg/l	5.00	50.0		89	40-130		
2-Methylnaphthalene	44.3		µg/l	5.00	50.0		89	40-130		
2-Methylphenol	44.2		µg/l	5.00	50.0		88	40-130		
3,4-Methylphenol	42.2		µg/l	10.0	50.0		84	40-130		
Naphthalene	42.6		µg/l	5.00	50.0		85	40-130		
2-Nitroaniline	42.8		µg/l	5.00	50.0		86	40-130		
3-Nitroaniline	27.5		µg/l	5.00	50.0		55	40-130		
4-Nitroaniline	40.9		µg/l	20.0	50.0		82	40-130		
Nitrobenzene	45.5		µg/l	5.00	50.0		91	40-130		
2-Nitrophenol	45.0		µg/l	5.00	50.0		90	40-130		
4-Nitrophenol	44.1		µg/l	20.0	50.0		88	40-130		
N-Nitrosodimethylamine	47.0		µg/l	5.00	50.0		94	40-130		
N-Nitrosodi-n-propylamine	38.2		µg/l	5.00	50.0		76	40-130		
N-Nitrosodiphenylamine	43.9		µg/l	5.00	50.0		88	40-130		
Pentachlorophenol	49.5		µg/l	20.0	50.0		99	40-130		
Phenanthrene	46.1		µg/l	5.00	50.0		92	40-130		
Phenol	38.8		µg/l	5.00	50.0		78	40-130		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091138 - SW846 3510C										
LCS (7091138-BS1)										
Prepared & Analyzed: 19-Sep-07										
Pyrene	47.4		µg/l	5.00	50.0		95	40-130		
Pyridine	40.8		µg/l	5.00	50.0		82	40-130		
1,2,4-Trichlorobenzene	43.8		µg/l	5.00	50.0		88	40-130		
1-Methylnaphthalene	42.4		µg/l	5.00	50.0		85	40-140		
2,4,5-Trichlorophenol	46.2		µg/l	5.00	50.0		92	40-130		
2,4,6-Trichlorophenol	39.9		µg/l	5.00	50.0		80	40-130		
Surrogate: 2-Fluorobiphenyl	*36.1*		µg/l		*50.0*		*72*	*30-130*		
Surrogate: 2-Fluorophenol	*38.1*		µg/l		*50.0*		*76*	*15-110*		
Surrogate: Nitrobenzene-d5	*41.4*		µg/l		*50.0*		*83*	*30-130*		
Surrogate: Phenol-d5	*31.4*		µg/l		*50.0*		*63*	*15-110*		
Surrogate: Terphenyl-dl4	*42.4*		µg/l		*50.0*		*85*	*30-130*		
Surrogate: 2,4,6-Tribromophenol	*43.1*		µg/l		*50.0*		*86*	*15-110*		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091236 - SW846 3005A										
Blank (7091236-BLK1)										
Prepared & Analyzed: 19-Sep-07										
Iron	0.0106	J	mg/l	0.0150						
Zinc	0.0034	J	mg/l	0.0150						
Sodium	0.370	J	mg/l	0.400						
Nickel	BRL	U	mg/l	0.0050						
Thallium	BRL	U	mg/l	0.0050						
Lead	BRL	U	mg/l	0.0075						
Selenium	BRL	U	mg/l	0.0150						
Antimony	BRL	U	mg/l	0.0060						
Manganese	0.0007	J	mg/l	0.0030						
Potassium	0.414	J	mg/l	0.500						
Magnesium	0.0029	J	mg/l	0.0100						
Arsenic	BRL	U	mg/l	0.0040						
Calcium	0.0732	J	mg/l	0.100						
Vanadium	BRL	U	mg/l	0.0050						
Chromium	BRL	U	mg/l	0.0050						
Barium	BRL	U	mg/l	0.0050						
Cobalt	BRL	U	mg/l	0.0050						
Copper	BRL	U	mg/l	0.0050						
Silver	BRL	U	mg/l	0.0050						
Cadmium	BRL	U	mg/l	0.0025						
Beryllium	BRL	U	mg/l	0.0020						
LCS (7091236-BS1)										
Prepared & Analyzed: 19-Sep-07										
Iron	1.46	QC3	mg/l	0.0150	1.25		117	85-115		
Potassium	14.2		mg/l	0.500	12.5		114	85-115		
Sodium	7.44	QC3	mg/l	0.400	6.25		119	85-115		
Lead	1.43		mg/l	0.0075	1.25		114	85-115		
Antimony	1.42		mg/l	0.0060	1.25		114	85-115		
Selenium	1.41		mg/l	0.0150	1.25		113	85-115		
Nickel	1.47	QC3	mg/l	0.0050	1.25		118	85-115		
Zinc	1.54	QC3	mg/l	0.0150	1.25		123	85-115		
Thallium	1.44		mg/l	0.0050	1.25		115	85-115		
Magnesium	1.48	QC1	mg/l	0.0100	1.25		118	85-115		
Manganese	1.50	QC3	mg/l	0.0030	1.25		120	85-115		
Arsenic	1.42		mg/l	0.0040	1.25		113	85-115		
Copper	1.49	QC3	mg/l	0.0050	1.25		119	85-115		
Cobalt	1.47	QC2	mg/l	0.0050	1.25		117	85-115		
Vanadium	1.44		mg/l	0.0050	1.25		115	85-115		
Calcium	7.41	QC1	mg/l	0.100	6.25		119	85-115		
Beryllium	1.44	QC2	mg/l	0.0020	1.25		116	85-115		
Silver	1.40		mg/l	0.0050	1.25		112	85-115		
Chromium	1.46	QC2	mg/l	0.0050	1.25		117	85-115		
Barium	1.46	QC3	mg/l	0.0050	1.25		117	85-115		
Cadmium	1.46	QC2	mg/l	0.0025	1.25		117	85-115		
LCS Dup (7091236-BSD1)										
Prepared & Analyzed: 19-Sep-07										
Manganese	1.42		mg/l	0.0030	1.25		114	85-115	5	20
Selenium	1.34		mg/l	0.0150	1.25		107	85-115	5	20
Sodium	6.96		mg/l	0.400	6.25		111	85-115	7	20

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091236 - SW846 3005A										
LCS Dup (7091236-BSD1)										
Prepared & Analyzed: 19-Sep-07										
Thallium	1.36		mg/l	0.0050	1.25		109	85-115	5	20
Nickel	1.40		mg/l	0.0050	1.25		112	85-115	5	20
Potassium	13.4		mg/l	0.500	12.5		107	85-115	6	20
Iron	1.38		mg/l	0.0150	1.25		111	85-115	5	20
Antimony	1.35		mg/l	0.0060	1.25		108	85-115	5	20
Magnesium	1.40		mg/l	0.0100	1.25		112	85-115	6	20
Lead	1.36		mg/l	0.0075	1.25		108	85-115	5	20
Zinc	1.45	QC1	mg/l	0.0150	1.25		116	85-115	6	20
Arsenic	1.34		mg/l	0.0040	1.25		107	85-115	6	20
Copper	1.41		mg/l	0.0050	1.25		113	85-115	5	20
Chromium	1.38		mg/l	0.0050	1.25		111	85-115	5	20
Cadmium	1.39		mg/l	0.0025	1.25		111	85-115	5	20
Vanadium	1.37		mg/l	0.0050	1.25		109	85-115	5	20
Silver	1.33		mg/l	0.0050	1.25		106	85-115	6	20
Barium	1.38		mg/l	0.0050	1.25		110	85-115	6	20
Beryllium	1.37		mg/l	0.0020	1.25		109	85-115	6	20
Cobalt	1.39		mg/l	0.0050	1.25		112	85-115	5	20
Calcium	6.94		mg/l	0.100	6.25		111	85-115	7	20
Duplicate (7091236-DUP1)	**Source: SA68280-03**									
Prepared & Analyzed: 19-Sep-07										
Selenium	BRL	U	mg/l	0.0150		BRL				20
Potassium	0.720		mg/l	0.500		0.656			9	20
Sodium	0.746		mg/l	0.400		0.806			8	20
Magnesium	0.0225		mg/l	0.0100		0.0241			7	20
Thallium	BRL	U	mg/l	0.0050		BRL				20
Antimony	BRL	U	mg/l	0.0060		BRL				20
Manganese	0.0026	J	mg/l	0.0030		0.0026			2	20
Lead	BRL	U	mg/l	0.0075		BRL				20
Iron	0.0315		mg/l	0.0150		0.0350			10	20
Nickel	0.0006	J	mg/l	0.0050		0.0006			8	20
Zinc	0.0300		mg/l	0.0150		0.0287			5	20
Chromium	BRL	U	mg/l	0.0050		BRL				20
Barium	BRL	U	mg/l	0.0050		BRL				20
Vanadium	0.0045	J	mg/l	0.0050		0.0046			3	20
Calcium	0.408		mg/l	0.100		0.434			6	20
Copper	0.0027	J	mg/l	0.0050		0.0022			18	20
Silver	BRL	U	mg/l	0.0050		BRL				20
Cadmium	BRL	U	mg/l	0.0025		BRL				20
Arsenic	BRL	U	mg/l	0.0040		BRL				20
Beryllium	BRL	U	mg/l	0.0020		BRL				20
Cobalt	BRL	U	mg/l	0.0050		BRL				20
Matrix Spike (7091236-MS1)	**Source: SA68280-01**									
Prepared & Analyzed: 19-Sep-07										
Selenium	1.38		mg/l	0.0150	1.25	0.0082	110	75-125		
Manganese	2.32		mg/l	0.0030	1.25	0.951	110	75-125		
Zinc	1.46		mg/l	0.0150	1.25	0.0134	116	75-125		
Antimony	1.39		mg/l	0.0060	1.25	BRL	111	75-125		
Lead	1.33		mg/l	0.0075	1.25	BRL	106	75-125		
Potassium	26.0		mg/l	0.500	12.5	12.6	107	75-125		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091236 - SW846 3005A										
Matrix Spike (7091236-MS1)	**Source: SA68280-01**									
Prepared & Analyzed: 19-Sep-07										
Nickel	1.36		mg/l	0.0050	1.25	0.0118	108	75-125		
Iron	2.20		mg/l	0.0150	1.25	0.813	111	75-125		
Sodium	53.3		mg/l	0.400	6.25	47.3	96	75-125		
Magnesium	37.6	QM2	mg/l	0.0100	1.25	37.2	30	75-125		
Thallium	1.32		mg/l	0.0050	1.25	0.0025	105	75-125		
Cobalt	1.35		mg/l	0.0050	1.25	0.0030	108	75-125		
Silver	1.37		mg/l	0.0050	1.25	BRL	110	75-125		
Arsenic	1.39		mg/l	0.0040	1.25	BRL	111	75-125		
Calcium	156	QM2	mg/l	0.100	6.25	154	32	75-125		
Copper	1.47		mg/l	0.0050	1.25	0.0098	117	75-125		
Barium	1.56		mg/l	0.0050	1.25	0.179	111	75-125		
Vanadium	1.36		mg/l	0.0050	1.25	0.0059	108	70-130		
Cadmium	1.35		mg/l	0.0025	1.25	0.0003	108	75-125		
Chromium	1.36		mg/l	0.0050	1.25	0.0049	109	75-125		
Beryllium	1.37		mg/l	0.0020	1.25	BRL	110	75-125		
Matrix Spike Dup (7091236-MSD1)	**Source: SA68280-01**									
Prepared & Analyzed: 19-Sep-07										
Iron	2.28		mg/l	0.0150	1.25	0.813	117	75-125	3	20
Magnesium	36.8	QM2	mg/l	0.0100	1.25	37.2	-39	75-125	2	20
Antimony	1.37		mg/l	0.0060	1.25	BRL	109	75-125	1	20
Sodium	52.2		mg/l	0.400	6.25	47.3	78	75-125	2	20
Selenium	1.36		mg/l	0.0150	1.25	0.0082	108	75-125	1	20
Zinc	1.44		mg/l	0.0150	1.25	0.0134	114	75-125	1	20
Nickel	1.33		mg/l	0.0050	1.25	0.0118	106	75-125	2	20
Thallium	1.30		mg/l	0.0050	1.25	0.0025	104	75-125	2	20
Potassium	25.6		mg/l	0.500	12.5	12.6	104	75-125	2	20
Manganese	2.28		mg/l	0.0030	1.25	0.951	106	75-125	2	20
Lead	1.30		mg/l	0.0075	1.25	BRL	104	75-125	2	20
Beryllium	1.36		mg/l	0.0020	1.25	BRL	109	75-125	0.7	20
Arsenic	1.37		mg/l	0.0040	1.25	BRL	110	75-125	2	20
Chromium	1.34		mg/l	0.0050	1.25	0.0049	107	75-125	2	20
Cobalt	1.33		mg/l	0.0050	1.25	0.0030	106	75-125	2	20
Vanadium	1.34		mg/l	0.0050	1.25	0.0059	107	70-130	2	20
Calcium	153	QM2	mg/l	0.100	6.25	154	-24	75-125	2	20
Silver	1.35		mg/l	0.0050	1.25	BRL	108	75-125	2	20
Barium	1.55		mg/l	0.0050	1.25	0.179	110	75-125	0.8	20
Copper	1.45		mg/l	0.0050	1.25	0.0098	115	75-125	2	20
Cadmium	1.33		mg/l	0.0025	1.25	0.0003	106	75-125	2	20
Post Spike (7091236-PS1)	**Source: SA68280-01**									
Prepared & Analyzed: 19-Sep-07										
Sodium	50.2	QC1	mg/l	0.400	6.25	47.3	47	80-120		
Potassium	24.6		mg/l	0.500	12.5	12.6	96	80-120		
Manganese	2.19		mg/l	0.0030	1.25	0.951	99	80-120		
Zinc	1.40		mg/l	0.0150	1.25	0.0134	111	80-120		
Iron	2.18		mg/l	0.0150	1.25	0.813	110	80-120		
Antimony	1.23		mg/l	0.0060	1.25	BRL	99	80-120		
Selenium	1.32		mg/l	0.0150	1.25	0.0082	105	80-120		
Thallium	1.27		mg/l	0.0050	1.25	0.0025	101	80-120		
Magnesium	35.2	QM2	mg/l	0.0100	1.25	37.2	-160	80-120		

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091236 - SW846 3005A										
Post Spike (7091236-PS1)	**Source: SA68280-01**									
Prepared & Analyzed: 19-Sep-07										
Nickel	1.29		mg/l	0.0050	1.25	0.0118	102	80-120		
Lead	1.26		mg/l	0.0075	1.25	BRL	101	80-120		
Barium	1.50		mg/l	0.0050	1.25	0.179	105	80-120		
Vanadium	1.30		mg/l	0.0050	1.25	0.0059	103	80-120		
Beryllium	1.32		mg/l	0.0020	1.25	BRL	106	80-120		
Chromium	1.29		mg/l	0.0050	1.25	0.0049	103	80-120		
Copper	1.41		mg/l	0.0050	1.25	0.0098	112	80-120		
Calcium	147	QM2	mg/l	0.100	6.25	154	-114	80-120		
Arsenic	1.34		mg/l	0.0040	1.25	BRL	107	80-120		
Cobalt	1.29		mg/l	0.0050	1.25	0.0030	103	80-120		
Silver	1.31		mg/l	0.0050	1.25	BRL	105	80-120		
Cadmium	1.28		mg/l	0.0025	1.25	0.0003	103	80-120		
Batch 7091279 - SW846 3005A										
Blank (7091279-BLK1)										
Prepared & Analyzed: 20-Sep-07										
Aluminum	BRL	U	mg/l	0.0150						
LCS (7091279-BS1)										
Prepared & Analyzed: 20-Sep-07										
Aluminum	1.46	QC3	mg/l	0.0150	1.25		117	85-115		
LCS Dup (7091279-BSD1)										
Prepared & Analyzed: 20-Sep-07										
Aluminum	1.16	QR6	mg/l	0.0150	1.25		93	85-115	23	20
Duplicate (7091279-DUP1)	**Source: SA68280-01**									
Prepared & Analyzed: 20-Sep-07										
Aluminum	0.876		mg/l	0.0150		0.806			8	20
Matrix Spike (7091279-MS1)	**Source: SA68280-03**									
Prepared & Analyzed: 20-Sep-07										
Aluminum	1.24		mg/l	0.0150	1.25	0.0182	98	75-125		
Matrix Spike Dup (7091279-MSD1)	**Source: SA68280-03**									
Prepared & Analyzed: 20-Sep-07										
Aluminum	1.27		mg/l	0.0150	1.25	0.0182	100	75-125	3	20
Post Spike (7091279-PS1)	**Source: SA68280-03**									
Prepared & Analyzed: 20-Sep-07										
Aluminum	1.18		mg/l	0.0150	1.25	0.0182	93	80-120		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 7091238 - EPA200/SW7000 Series										
Blank (7091238-BLK1)										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Mercury	BRL	U	mg/l	0.00030						
LCS (7091238-BS1)										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Mercury	0.00432		mg/l	0.00030	0.00500		86	85-115		
Duplicate (7091238-DUP1) **Source: SA68280-03**										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Mercury	BRL	U	mg/l	0.00030		BRL				20
Matrix Spike (7091238-MS1) **Source: SA68280-01**										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Mercury	0.00400		mg/l	0.00030	0.00500	BRL	80	75-125		
Matrix Spike Dup (7091238-MSD1) **Source: SA68280-01**										
Prepared: 19-Sep-07 Analyzed: 20-Sep-07										
Mercury	0.00417		mg/l	0.00030	0.00500	BRL	83	75-125	4	20

Notes and Definitions

J	Detected above the Method Detection Limit but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).
QC1	Analyte out of acceptance range.
QC2	Analyte out of acceptance range in QC spike but no reportable concentration present in sample.
QC3	The spike recovery is outside acceptable limits for the LCS. The batch was accepted based upon the MS and/or MSD meeting the LCS limits criteria.
QM2	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
QR6	The RPD exceeded the QC control limits; however precision is demonstrated with acceptable RPD values for MS/MSD.
U	Analyte included in the analysis, but not detected
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Brown

SA 68280 RM

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 9/20/07
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Langan Engineering
360 W 31st St 8th Floor
New York, NY 10001

Project Mgr.: Jamie Barr

Invoice To: Same

P.O. No.: RQN:

Project No.: 576290\
Site Name: Myrtle Ave
Location: Brooklyn ~~AK~~ State: NY
Sampler(s): J. Backus

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid
7=CH_3OH 8= $NaHSO_4$ 9= None 10=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= DI Water X2= X3=

G=Grab C=Composite

QA Reporting Notes: (check if needed)
- ☐ Provide MA DEP MCP CAM Report
- ☐ Provide CT DPH RCP Report

QA/QC Reporting Level
☒ Standard ☐ No QC
☐ Other CAT B

State specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Preservative	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		TCLSVOC by 8270	TCL VOC by 8260	PCBs	Pest, Herb	TAL Metals			
68280-01	MW-19	9/17/07	1325	G	GW	✓	3	3		1		✓	✓	✓	✓	✓			
02	TB (Trip Blank)	9/17/07	—			2	1						✓						
(TB)	~~FB (Field Blank)~~	~~9/17/07~~	~~1500~~	~~G~~	~~X1~~		~~3~~			~~1~~		~~✓~~	~~✓~~	~~✓~~	~~✓~~	~~✓~~			
03	FB (Field Blank)	9/17/07	1500	G	X1		3			1			✓			✓			

☐ Fax results when available to (____)
☒ E-mail to jbarr@langan.com
EDD Format excel + pdf
Condition upon receipt: ☒ Iced ☐ Ambient ☐ °C 3

Relinquished by:	Received by:	Date:	Time:
9/17/07			
Fed X		9/18/07	1030

Appendix F

Analytical Laboratory NYSDOH Certification

NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2008
Issued April 01, 2007

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. HANIBAL C. TAYEH
SPECTRUM ANALYTICAL INC
11 ALMGREN DR
AGAWAM, MA 01001

NY Lab Id No: 11393
EPA Lab Code: MA00138

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	
Bromide	EPA 300.0
Bromochloroacetic acid	EPA 552.2
Dibromoacetic acid	EPA 552.2
Dichloroacetic acid	EPA 552.2
Monobromoacetic acid	EPA 552.2
Monochloroacetic acid	EPA 552.2
Trichloroacetic acid	EPA 552.2
Drinking Water Bacteriology	
Coliform, Total / E. coli (Qualitative)	40 CFR 141.21 (f) 6v, MI Agar - 1604
	SM 18-20 9222B
Standard Plate Count	SM 18 9215B
Drinking Water Metals I	
Arsenic, Total	EPA 200.7
	EPA 200.8
Barium, Total	EPA 200.7
	EPA 200.8
Cadmium, Total	EPA 200.7
	EPA 200.8
Chromium, Total	EPA 200.7
	EPA 200.8
Copper, Total	EPA 200.7
	EPA 200.8
Drinking Water Metals I	
Iron, Total	EPA 200.7
Lead, Total	EPA 200.7
	EPA 200.8
Manganese, Total	EPA 200.7
	EPA 200.8
Mercury, Total	EPA 245.1
Selenium, Total	EPA 200.8
Silver, Total	EPA 200.7
	EPA 200.8
Zinc, Total	EPA 200.7
	EPA 200.8
Drinking Water Metals II	
Aluminum, Total	EPA 200.7
	EPA 200.8
Antimony, Total	EPA 200.7
	EPA 200.8
Beryllium, Total	EPA 200.7
	EPA 200.8
Molybdenum, Total	EPA 200.7
	EPA 200.8
Nickel, Total	EPA 200.7
	EPA 200.8

Serial No.: 32859

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, 2008
Issued April 01, 2007

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

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11 ALMGREN DR
AGAWAM, MA 01001

NY Lab Id No: 11393
EPA Lab Code: MA00138

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 Metals II

Thallium, Total	EPA 200.8
Vanadium, Total	EPA 200.7
	EPA 200.8

Drinking Water Metals III

Boron, Total	EPA 200.7
Calcium, Total	EPA 200.7
Magnesium, Total	EPA 200.7
Potassium, Total	EPA 200.7
Sodium, Total	EPA 200.7

Drinking Water Miscellaneous

Benzo(a)pyrene	EPA 525.2
Bis(2-ethylhexyl) phthalate	EPA 525.2
Di (2-ethylhexyl) adipate	EPA 525.2
Hexachlorobenzene	EPA 525.2
Hexachlorocyclopentadiene	EPA 525.2
Organic Carbon, Total	EPA 415.1
	SM 18-20 5310B

Drinking Water Non-Metals

Alkalinity	SM 18-20 2320B
Calcium Hardness	SM 20 3500-Ca-B
Chloride	EPA 300.0

Sample Preparation Methods

SM 18-20 2340B

Drinking Water Non-Metals

Chloride	SM 18-20 4500-Cl B
Color	SM 18-20 2120B
Corrosivity	SM 18-19 2330
Cyanide, Free	LACHAT 10-204-00-1-A
	SM 18-20 4500-CN E
Cyanide, Total	SM 18-20 4500-CN E
Fluoride, Total	EPA 300.0
Hydrogen Ion (pH)	EPA 150.1
Nitrate (as N)	EPA 300.0
	LACHAT 10-107-04-1-C
Nitrite (as N)	EPA 300.0
	SM 18-20 4500-NO2 B
Orthophosphate (as P)	ASTM D515-88 A
	EPA 300.0
Silica, Dissolved	EPA 200.7
Solids, Total Dissolved	SM 18-20 2540C
Specific Conductance	SM 18-20 2510B
Sulfate (as SO4)	EPA 300.0

Microextractibles

1,2-Dibromo-3-chloropropane	EPA 504.1
1,2-Dibromoethane	EPA 504.1

Serial No.: 32859

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2008
Issued April 01, 2007

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. HANIBAL C. TAYEH
SPECTRUM ANALYTICAL INC
11 ALMGREN DR
AGAWAM, MA 01001

NY Lab Id No: 11393
EPA Lab Code: MA00138

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:

Amines	
2-Nitroaniline	EPA 8270C
3-Nitroaniline	EPA 8270C
4-Chloroaniline	EPA 8270C
4-Nitroaniline	EPA 8270C
Aniline	EPA 8270C
Carbazole	EPA 8270C
Pyridine	EPA 625
	EPA 8270C
Bacteriology	
Coliform, fecal	SM 18-20 9222D
E. coli (Enumeration)	EPA 1604
Standard Plate Count	SM 18 9215B
Benzidines	
3,3' -Dichlorobenzidine	EPA 625
	EPA 8270C
Benzidine	EPA 625
	EPA 8270C
Chlorinated Hydrocarbon Pesticides	
4,4'-DDD	EPA 608
	EPA 8081A
4,4'-DDE	EPA 608
Chlorinated Hydrocarbon Pesticides	
4,4'-DDE	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

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Chlorinated Hydrocarbon Pesticides

Endrin	EPA 8081A
Endrin aldehyde	EPA 608
	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 608
	EPA 8081A
Toxaphene	EPA 608
	EPA 8081A

Chlorinated Hydrocarbons

1,2,4-Trichlorobenzene	EPA 625
	EPA 8270C
2-Chloronaphthalene	EPA 625
	EPA 8270C
Hexachlorobenzene	EPA 625
	EPA 8270C

Chlorinated Hydrocarbons

Hexachlorobutadiene	EPA 625
	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
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Dinoseb	EPA 8151A

Demand

Biochemical Oxygen Demand	EPA 405.1
	SM 18-20 5210B
Carbonaceous BOD	SM 18-20 5210B
Chemical Oxygen Demand	EPA 410.4
	HACH 8000

Haloethers

4-Bromophenylphenyl ether	EPA 625

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Haloethers	
4-Bromophenylphenyl ether	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
Mineral	
Acidity	EPA 305.1
Alkalinity	SM 18-20 2320B
Calcium Hardness	SM 18-19 3500-Ca-D
Chloride	EPA 300.0
	SM 18-20 4500-Cl B
Fluoride, Total	EPA 300.0
Hardness, Total	EPA 200.7
	SM 18-20 2340C
Sulfate (as SO4)	EPA 300.0
	EPA 375.4
Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 625
Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8270C
2,6-Dinitrotoluene	EPA 625
	EPA 8270C
Isophorone	EPA 625
	EPA 8270C
Nitrobenzene	EPA 625
	EPA 8270C
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)	SM 18 4500-NH3 C
	SM 19-20 4500 NH3-C
Kjeldahl Nitrogen, Total	SM 18 4500-NH3 C
Nitrate (as N)	EPA 300.0
	LACHAT 10-107-04-1-C
Nitrite (as N)	EPA 300.0
Orthophosphate (as P)	ASTM D515-88 A

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Nutrient	
Orthophosphate (as P)	EPA 300.0
	EPA 365.2
Phosphorus, Total	ASTM D515-88 A
	EPA 365.2
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',5,6-Octachlorobiphenyl	EPA 8082
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
Polychlorinated Biphenyls	
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',3,4,4',6,6'-Heptachlorobiphenyl	EPA 8082
2,2',3,4',5,5',6-Heptachlorobiphenyl	EPA 8082
2,2',3,4,5'-Pentachlorobiphenyl	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',4,5'-Tetrachlorobiphenyl	EPA 8082
2,2',5,5'-Tetrachlorobiphenyl	EPA 8082
2,2',5-Trichlorobiphenyl	EPA 8082
2,3,3',4,4',5'-Hexachlorobiphenyl	EPA 8082
2,3,3',4,4'-Pentachlorobiphenyl	EPA 8082
2,3',4,4',5-Pentachlorobiphenyl	EPA 8082
2,3',4,4'-Tetrachlorobiphenyl	EPA 8082
2,4,4'-Trichlorobiphenyl	EPA 8082
2,4'-Dichlorobiphenyl	EPA 8082
3,3',4,4',5,5'-Hexachlorobiphenyl	EPA 8082
3,3',4,4',5-Pentachlorobiphenyl	EPA 8082
3,3',4,4'-Tetrachlorobiphenyl	EPA 8082
3,3',4,5,5'-Pentachlorobiphenyl	EPA 8082
Decachlorobiphenyl	EPA 8082

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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
PCB-1260	EPA 608
	EPA 8082

Polynuclear Aromatics

Acenaphthene	EPA 625
	EPA 8270C
Acenaphthylene	EPA 625
	EPA 8270C
Anthracene	EPA 625
	EPA 8270C
Benzo(a)anthracene	EPA 625

Polynuclear Aromatics

Benzo(a)anthracene	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
Naphthalene	EPA 625
	EPA 8270C
Phenanthrene	EPA 625
	EPA 8270C

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Polynuclear Aromatics	
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
3-Methylphenol	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 625
	EPA 8270C
1,3-Dichlorobenzene	EPA 625
	EPA 8270C
1,4-Dichlorobenzene	EPA 625
	EPA 8270C
Residue	
Solids, Total	SM 18-20 2540B
Solids, Total Dissolved	EPA 160.1
	SM 18-20 2540C
Solids, Total Suspended	SM 18-20 2540D

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Semi-Volatile Organics	
2-Methylnaphthalene	EPA 8270C
Benzoic Acid	EPA 8270C
Benzyl alcohol	EPA 8270C
Dibenzofuran	EPA 8270C
Wastewater Metals I	
Barium, Total	EPA 200.7
	EPA 6010B
	EPA 6020
Cadmium, Total	EPA 200.7
	EPA 200.8
	EPA 6010B
	EPA 6020
Calcium, Total	EPA 200.7
	EPA 6010B
Chromium, Total	EPA 200.7
	EPA 200.8
	EPA 6010B
	EPA 6020
Copper, Total	EPA 200.7
	EPA 200.8
	EPA 6010B
	EPA 6020
Wastewater Metals I	
Iron, Total	EPA 200.7
	EPA 6010B
Lead, Total	EPA 200.7
	EPA 200.8
	EPA 6010B
	EPA 6020
Magnesium, Total	EPA 200.7
	EPA 6010B
Manganese, Total	EPA 200.7
	EPA 200.8
	EPA 6010B
	EPA 6020
Nickel, Total	EPA 200.7
	EPA 200.8
	EPA 6010B
	EPA 6020
Potassium, Total	EPA 200.7
	EPA 6010B
Silver, Total	EPA 200.7
	EPA 200.8
	EPA 6010B
	EPA 6020
Sodium, Total	EPA 200.7

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Wastewater Metals I	
Sodium, Total	EPA 6010B
Strontium, Total	EPA 200.7
	EPA 6010B
Wastewater Metals II	
Aluminum, Total	EPA 200.7
	EPA 200.8
	EPA 6010B
	EPA 6020
Antimony, Total	EPA 200.7
	EPA 200.8
	EPA 6010B
	EPA 6020
Arsenic, Total	EPA 200.7
	EPA 200.8
	EPA 6010B
	EPA 6020
Beryllium, Total	EPA 200.7
	EPA 200.8
	EPA 6010B
	EPA 6020
Chromium VI	EPA 7196A
	SM 18-19 3500-Cr D

Wastewater Metals II	
Mercury, Total	EPA 245.1
	EPA 7470A
Selenium, Total	EPA 200.7
	EPA 200.8
	EPA 6010B
	EPA 6020
Vanadium, Total	EPA 200.7
	EPA 200.8
	EPA 6010B
	EPA 6020
Zinc, Total	EPA 200.7
	EPA 200.8
	EPA 6010B
	EPA 6020
Wastewater Metals III	
Cobalt, Total	EPA 200.7
	EPA 200.8
	EPA 6010B
	EPA 6020
Molybdenum, Total	EPA 200.7
	EPA 200.8
	EPA 6010B

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Wastewater Metals III

Molybdenum, Total	EPA 6020
Thallium, Total	EPA 200.7
	EPA 200.8
	EPA 6010B
	EPA 6020
Tin, Total	EPA 200.7
	EPA 6010B
Titanium, Total	EPA 200.7
	EPA 6010B

Wastewater Miscellaneous

Boron, Total	EPA 200.7
	EPA 6010B
Bromide	EPA 300.0
Color	SM 18-20 2120B
Corrosivity	SM 18-19 2330
Cyanide, Total	EPA 335.2
	EPA 9012A
	EPA 9014
	LACHAT 10-204-00-1-A
	SM 18-20 4500-CN E
Hydrogen Ion (pH)	EPA 150.1
	EPA 9040B

Wastewater Miscellaneous

Oil & Grease Total Recoverable	EPA 1664A
Organic Carbon, Total	EPA 415.1
	SM 18-20 5310B
Silica, Dissolved	EPA 200.7
	EPA 6010B
Specific Conductance	EPA 120.1
	SM 18-20 2510B
Sulfide (as S)	EPA 376.1
	EPA 376.2
	SM 18 4500-S E

Sample Preparation Methods

SM 18-20 2340B EPA 9010B SM 18-20 4500-N Org

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All approved analytes are listed below:

Amines	
2-Nitroaniline	EPA 8270C
3-Nitroaniline	EPA 8270C
4-Chloroaniline	EPA 8270C
4-Nitroaniline	EPA 8270C
Aniline	EPA 8270C
Carbazole	EPA 8270C
Benzidines	
3,3' -Dichlorobenzidine	EPA 8270C
Benzidine	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

Chlorinated Hydrocarbon Pesticides	
alpha-Chlordane	EPA 8081A
beta-BHC	EPA 8081A
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-Trichlorobenzene	EPA 8270C
1-Chloronaphthalene	EPA 8270C
2-Chloronaphthalene	EPA 8270C
Hexachlorobenzene	EPA 8270C

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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 Hydrocarbons

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
2,4-DB	EPA 8151A
Dalapon	EPA 8151A
Dicamba	EPA 8151A
Dinoseb	EPA 8151A
MCPA	EPA 8151A
MCPP	EPA 8151A

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

Metals I

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
Strontium, 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
Vanadium, Total	EPA 6010B

Serial No.: 32861

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NEW YORK STATE DEPARTMENT OF HEALTH
WADSWORTH CENTER
RICHARD F. DAINES, M.D.

Expires 12:01 AM April 01, 2008
Issued April 01, 2007

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

DR. HANIBAL C. TAYEH
SPECTRUM ANALYTICAL INC
11 ALMGREN DR
AGAWAM, MA 01001

NY Lab Id No: 11393
EPA Lab Code: MA00138

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:

Metals II	
Zinc, Total	EPA 6010B
Metals III	
Cobalt, Total	EPA 6010B
Molybdenum, Total	EPA 6010B
Thallium, Total	EPA 6010B
Tin, Total	EPA 6010B
Titanium, Total	EPA 6010B
Miscellaneous	
Boron, Total	EPA 6010B
Cyanide, Total	EPA 9012A
	EPA 9014
Hydrogen Ion (pH)	EPA 9040B
	EPA 9045C
Lead in Dust Wipes	EPA 6010B
Lead in Paint	EPA 6010B
Sulfide (as S)	EPA 9034
Nitroaromatics and Isophorone	
2,4-Dinitrotoluene	EPA 8270C
2,6-Dinitrotoluene	EPA 8270C
Isophorone	EPA 8270C
Nitrobenzene	EPA 8270C
Nitroaromatics and Isophorone	
Pyridine	EPA 8270C
Nitrosoamines	
N-Nitrosodimethylamine	EPA 8270C
N-Nitrosodi-n-propylamine	EPA 8270C
N-Nitrosodiphenylamine	EPA 8270C
Organophosphate Pesticides	
Dichloroprop	EPA 8151A
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

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Polychlorinated Biphenyls

PCB-1254	EPA 8082
PCB-1260	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

Sample Preparation Methods

EPA 1311	EPA 9010B

Priority Pollutant Phenols

2,4-Dichlorophenol	EPA 8270C
2,4-Dimethylphenol	EPA 8270C
2,4-Dinitrophenol	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

Purgeable Aromatics

1,2-Dichlorobenzene	EPA 8270C
1,3-Dichlorobenzene	EPA 8270C
1,4-Dichlorobenzene	EPA 8270C

Semi-Volatile Organics

2-Methylnaphthalene	EPA 8270C
Benzoic Acid	EPA 8270C
Benzyl alcohol	EPA 8270C
Dibenzofuran	EPA 8270C

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DR. HANIBAL C. TAYEH
SPECTRUM ANALYTICAL, INC
830 SILVER STREET
AGAWAM, MA 01001

NY Lab Id No: 11840
EPA Lab Code: MA01110

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 Miscellaneous	
Methyl tert-butyl ether	EPA 524.2
Drinking Water Trihalomethanes	
Bromodichloromethane	EPA 524.2
Bromoform	EPA 524.2
Chloroform	EPA 524.2
Dibromochloromethane	EPA 524.2
Total Trihalomethanes	EPA 524.2
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
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

Volatile Aromatics	
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
1,2-Dichloropropane	EPA 524.2
1,3-Dichloropropane	EPA 524.2
2,2-Dichloropropane	EPA 524.2

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SPECTRUM ANALYTICAL, INC
830 SILVER STREET
AGAWAM, MA 01001

NY Lab Id No: 11840
EPA Lab Code: MA01110

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

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

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Acrylates	
Acrolein (Propenal)	EPA 624
	EPA 8260B
Acrylonitrile	EPA 624
	EPA 8260B
Chlorinated Hydrocarbons	
1,2,4-Trichlorobenzene	EPA 8260B
Hexachlorobutadiene	EPA 8260B
Fuel Oxygenates	
Methyl tert-butyl ether	EPA 8260B
Microextractables	
1,2-Dibromo-3-chloropropane	EPA 8260B
1,2-Dibromoethane	EPA 8260B
Polynuclear Aromatics	
Naphthalene	EPA 8260B
Purgeable Aromatics	
1,2-Dichlorobenzene	EPA 624
	EPA 8260B
1,3-Dichlorobenzene	EPA 624
	EPA 8260B
1,4-Dichlorobenzene	EPA 624
Purgeable Aromatics	
1,4-Dichlorobenzene	EPA 8260B
Benzene	EPA 624
	EPA 8260B
Chlorobenzene	EPA 624
	EPA 8260B
Ethyl benzene	EPA 624
	EPA 8260B
Styrene	EPA 8260B
Toluene	EPA 624
	EPA 8260B
Total Xylenes	EPA 624
	EPA 8260B
Purgeable Halocarbons	
1,1,1,2-Tetrachloroethane	EPA 8260B
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-Dichloroethane	EPA 624
	EPA 8260B

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Purgeable Halocarbons	
1,1-Dichloroethene	EPA 624
	EPA 8260B
1,2,3-Trichloropropane	EPA 8260B
1,2-Dichloroethane	EPA 624
	EPA 8260B
1,2-Dichloropropane	EPA 624
	EPA 8260B
2-Chloroethylvinyl ether	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 624

Purgeable Halocarbons	
cis-1,2-Dichloroethene	EPA 8260B
cis-1,3-Dichloropropene	EPA 624
	EPA 8260B
Dibromochloromethane	EPA 624
	EPA 8260B
Dibromomethane	EPA 8260B
Dichlorodifluoromethane	EPA 624
	EPA 8260B
Methylene chloride	EPA 624
	EPA 8260B
Tetrachloroethene	EPA 624
	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

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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
Vinyl acetate	EPA 8260B

Sample Preparation Methods

EPA 5030B

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All approved analytes are listed below:

Acrylates	
Acrolein (Propenal)	EPA 8260B
Acrylonitrile	EPA 8260B
Purgeable Aromatics	
1,2-Dichlorobenzene	EPA 8260B
1,3-Dichlorobenzene	EPA 8260B
1,4-Dichlorobenzene	EPA 8260B
Benzene	EPA 8260B
Chlorobenzene	EPA 8260B
Ethyl benzene	EPA 8260B
Styrene	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
1,2,3-Trichloropropane	EPA 8260B
1,2-Dibromo-3-chloropropane	EPA 8260B
1,2-Dichloroethane	EPA 8260B

Purgeable Halocarbons	
1,2-Dichloropropane	EPA 8260B
2-Chloroethylvinyl ether	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
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
Vinyl chloride	EPA 8260B

Serial No.: 33284

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830 SILVER STREET
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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
Carbon Disulfide	EPA 8260B
Methyl tert-butyl ether	EPA 8260B
Vinyl acetate	EPA 8260B

Sample Preparation Methods

EPA 5030B EPA 5035

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AGAWAM, MA 01001

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Chlorinated Hydrocarbons	
1,2,4-Trichlorobenzene	EPA TO-14A
	EPA TO-15
Hexachlorobutadiene	EPA TO-14A
	EPA TO-15
Hexachloroethane	EPA TO-15
Miscellaneous Air	
Formaldehyde	EPA TO-15
Purgeable Aromatics	
1,2,4-Trimethylbenzene	EPA TO-14A
1,2-Dichlorobenzene	EPA TO-14A
	EPA TO-15
1,3,5-Trimethylbenzene	EPA TO-14A
1,3-Dichlorobenzene	EPA TO-14A
	EPA TO-15
1,4-Dichlorobenzene	EPA TO-14A
	EPA TO-15
Benzene	EPA TO-14A
	EPA TO-15
Chlorobenzene	EPA TO-14A
	EPA TO-15
Ethyl benzene	EPA TO-14A
	EPA TO-15
Purgeable Aromatics	
Styrene	EPA TO-14A
	EPA TO-15
Toluene	EPA TO-14A
	EPA TO-15
Total Xylenes	EPA TO-14A
	EPA TO-15
Purgeable Halocarbons	
1,1,2,2-Tetrachloroethane	EPA TO-14A
	EPA TO-15
1,1,2-Trichloroethane	EPA TO-14A
	EPA TO-15
1,1,2-Trifluoro-1,2,2-Trichloroethane	EPA TO-14A
1,1-Dichloroethane	EPA TO-14A
	EPA TO-15
1,1-Dichloroethene	EPA TO-14A
	EPA TO-15
1,2-Dibromo-3-chloropropane	EPA TO-14A
	EPA TO-15
1,2-Dibromoethane	EPA TO-14A
	EPA TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	EPA TO-14A
1,2-Dichloroethane	EPA TO-14A

Serial No.: 33285

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RICHARD F. DAINES, M.D.

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Bromoform	EPA TO-15
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	EPA TO-15
Carbon tetrachloride	EPA TO-14A
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Chloroethane	EPA TO-14A
	EPA TO-15
Chloroform	EPA TO-14A
	EPA TO-15
Chloromethane	EPA TO-14A
	EPA TO-15
cis-1,2-Dichloroethene	EPA TO-14A
	EPA TO-15
cis-1,3-Dichloropropene	EPA TO-14A
	EPA TO-15
Dichlorodifluoromethane	EPA TO-14A
Methylene chloride	EPA TO-14A
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Tetrachloroethene	EPA TO-14A
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trans-1,3-Dichloropropene	EPA TO-14A
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Trichloroethene	EPA TO-14A
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Trichlorofluoromethane	EPA TO-14A
Vinyl bromide	EPA TO-15
Vinyl chloride	EPA TO-14A
	EPA TO-15
Volatile Chlorinated Organics	
Benzyl chloride	EPA TO-14A
	EPA TO-15
Volatile Organics	
1,3-Butadiene	EPA TO-14A
	EPA TO-15
2-Butanone (Methylethyl ketone)	EPA TO-15
4-Methyl-2-Pentanone	EPA TO-15
Carbon Disulfide	EPA TO-15
Hexane	EPA TO-15
Methyl tert-butyl ether	EPA TO-15
Vinyl acetate	EPA TO-15

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GEOTECHNICAL ENGINEERING STUDY
DRAFT-IN-PROGRESS
86 FLEET PLACE
New York, New York

Prepared For:

Red Apple Group, Inc.
823 Eleventh Avenue
New York, New York 10019

Prepared By:

Langan Engineering and Environmental Services, P.C.
21 Penn Plaza, 360 West 31st Street
New York, New York 10001-2727

8 February 2008
5762901

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

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TABLE OF CONTENTS

	Page No.
INTRODUCTION	**1**
SITE DESCRIPTION	**1**
PROPOSED CONSTRUCTION	**3**
SUBSURFACE INVESTIGATION	**3**
Review of Available Geologic Information	4
URS Investigation 2005	4
Langan Investigation 2007	5
Laboratory Testing	6
Fill [11-65]	6
Sand [7-65]	7
Silty Clay [9-65]	8
Bedrock [1-65 to 3-65]	8
Groundwater	9
FOUNDATION EVALUATION AND DESIGN RECOMMENDATIONS	**9**
Seismic Criteria	9
Site Coefficient	9
Soil Liquefaction	10
Foundations	10
Option 1 – Deep Foundations Combined with Spread Footings	11
Option 2 – Mat Foundation	13
Option 3 – Mat Foundation on Improved Ground with Spread Footings	14
Permanent Groundwater Control and Foundation Drainage	17
Permanent Below Grade Walls	18
Slab Support	18
SITE PREPARATION AND GENERAL CONSTRUCTION RECOMMENDATIONS	**19**
Subgrade Preparation	19
Support of Adjacent BFC Tower Foundations	20
Impact on Adjacent Subway Tunnel and Structures	21
Temporary Dewatering	22
Excavation Support and Temporary Below Grade Walls	22
Fill Material, Placement, and Compaction Criteria	24
CONSTRUCTION DOCUMENTS AND QUALITY CONTROL	**25**
LIMITATIONS	**25**

TABLES

Table 1	Groundwater Level Readings
Table 2	Preliminary Caisson Design Options

FIGURES

Figure 1	Site Location Map
Figure 2	FEMA Flood Insurance Rate Map
Figure 3	New York City Surficial Geologic Map
Figure 4	Boring Location Plan
Figure 5	Subsurface Profile A-A
Figure 6	Subsurface Profile B-B
Figure 7	New York City Building Code – Liquefaction Assessment Chart
Figure 8	Moduli of Subgrade Reaction
Figure 9	Lateral Earth Pressures

APPENDICES

Appendix A	2005 URS Boring Logs
Appendix B	2007 Langan Boring Logs
Appendix C	Laboratory Test Results – URS Subsurface Investigation
Appendix D	Laboratory Test Results – Langan Subsurface Investigation
Appendix E	GACE Foundation Plan showing GIE Locations

INTRODUCTION

This geotechnical engineering report was prepared by Langan Engineering and Environmental Services, P.C. (Langan) for the proposed 86 Fleet Place residential and commercial development located in Brooklyn, New York. The report summarizes the results of our subsurface investigation and presents our geotechnical recommendations related to foundation design and construction of the proposed building.

Our understanding of the project, building layout, and structural systems is based on conversations with Dattner Architects (DA) and Goldstein Associates Consulting Engineers (GACE), the project's structural engineer, and review of architectural and structural drawings. Elevations[(1)] given herein are based on the survey titled "Tographic Survey – Block 2061, Tax Lot 1, prepared by Gerald T. O'Buckley Professional Land Surveyors, revised on 22 June 2006.

The Project site has been assigned an "E" Designation by the New York City Department of Environmental Protection (NYCDEP) for noise and hazardous materials. Langan has conducted an environmental investigation and the owner is considering entering the Brownfield Cleanup Program for the site. Results of our Phase II Environmental Site Investigation (ESI) indicated Semi-Volatile Organic Compounds (SVOCs) and metals in excess of New York State Department of Environmental Conservation (NYSDEC) Technical Administrative Guidance Memorandum (TAGM) # 4046 Recommended Soil Cleanup Objectives (RSCOs) are present at the site. Volatile Organic Compounds (VOCs) and metals were detected at concentrations exceeding the NYSDEC Technical & Operations Guidance Series (TOGS) Ambient Water Quality Standards (AWQS) in groundwater at the site. The results, recommendations and remediation regarding environmental conditions at the site are presented in separate reports titled "Phase II Environmental Site Investigation Report" for 86 Fleet Place, dated October 2007 and "Remedial Action Plan" for 86 Fleet Place, dated October 2007.

SITE DESCRIPTION

The site is bound by Myrtle Avenue to the north, Fair Street to the south, Prince Street to the west, and the extension of Fleet Place to the east in downtown Brooklyn, New York.

[1]Elevations are with respect to the Borough President of Brooklyn Highway Datum (BPBD) which is 2.56 ft above the U.S. Coast and Geodetic Survey Datum (Mean Sea Level at Sandy Hook, New Jersey, 1929) [BPBD = USGS – 2.56].

The site is a trapezoidal lot of about 33,000 sq-ft and it was previously occupied by on-grade parking and one-story retail buildings that were demolished to make way for the new development. The sections of Fair Street and Prince Street abutting the site to the west and to the south have been de-mapped and the proposed development will extend to the Fair Street and Prince Street current centerlines. Site grades slope from about el 37.5 at the southwest corner of the site to about el 28 at the northeast corner of the site. A site location plan is presented in Figure 1.

A new high-rise structure (BFC tower) is currently under construction immediately to the west to the site at 225 Flatbush Avenue Extension. We have reviewed limited information including structural drawings dated 6 June 2007 (Bulletin #6), prepared by Severud Associates Consulting Engineers PC (Severud), the BFC tower's structural engineer. The BFC tower is a 37-story high-rise structure with a triangular four-story base and a single cellar level. The BFC tower is bearing on a continuous mat foundation; the bottom of the mat is at about el 10.5. A car elevator pit is located along the east foundation wall; the bottom of the elevator pit is at about el 7.3. The BFC tower is constructed about 2.5 to 10 ft away from the west of the property line at foundation level and up to the second floor; the third and fourth levels are cantilevering to the property line. Severud's drawings also show a 4-ft-wide strip footing along the southern two-thirds of the west property line; we understand that the footing is not supporting the superstructure but a two-level high wall abutting the property line. The bottom of the strip footing is not provided on the structural drawings.

An active New York City Transit (NYCT) subway tunnel, BMT lines N, Q, B, and D, is located about 130 ft to the west of the site beneath Flatbush Avenue Extension. In addition, numerous underground utilities including sewer and water mains, telephone, cable, gas and electricity lines, exist beneath the sidewalk and pavement along Myrtle Avenue, Prince Street, and Fair Street. As previously discussed, the proposed construction will incorporate half the current width of Fair Street and Prince Street; coordination with utility companies and city agencies to abandon and remove these underground utilities is in progress.

We have reviewed historic use and fire insurance Sanborn maps for the site. The Sanborn maps show that one- to five-story residential and commercial buildings have been occupied the site for over 100 years. The former buildings were commercial and residential and their majority included basement levels. Because demolition of the former structures most likely

consisted of filling the existing basements with demolition debris, subsurface obstructions, remnants of former foundations, and/or demolition debris, should be assumed to be present during foundation excavation and construction.

We have also reviewed the Flood Insurance Rate Maps (FEMA Map) for the area; the site is outside the 100-year and 500-year flood boundaries. The 100-year flood boundary, with flood elevation of el 7.44 (el 10 USGS), is approximately 0.3 miles to the northeast of the site. The FEMA Map is presented in Figure 2.

PROPOSED CONSTRUCTION

The proposed development will include the construction of a 37-story tower with a cellar and a sub-cellar. The structure will have footprint of about 33,000 sq-ft. A one to four-story podium base will cover the entire footprint and the high-rise structure will top the podium base on the eastern half of the footprint. The top of the sub-cellar slab will be at about el 5.3, which is as much as about 32 ft below existing ground surface; a car elevator will be constructed at the southwest corner of the proposed structure; the bottom of the car elevator pit will be at about el 0.5, which is about 37 ft below existing ground surface. The sub-cellar will be used for underground parking. Retail space is planned for the cellar, first, and second floor. An indoor swimming pool will be constructed at the third and fourth floor. Based on the current design drawings, the top of the first floor slab will vary from about el 35.6 along Fair Street to about el 29 at the corner of Myrtle Avenue and Fleet Place.

Design loads provided by GACE show individual column loads (dead load plus live load) to vary from about 550 to 5,000 kips below the residential tower, and about 400 to 800 kips below the low-rise base. The total load carried by the shear walls at the tower core will be about 60,000 kips and will be distributed over an area of about 5,000 sq-ft. According to GACE, uplift forces on the building shear walls are negligible.

SUBSURFACE INVESTIGATION

Our knowledge of the site's subsurface conditions is based on reviewing available geologic information and previous Langan projects in the area, a subsurface investigation performed by URS in September 2005, and an independent subsurface investigation performed by Langan in March, April, and September 2007.

The total number of 16 URS and Langan borings (excluding URS borings B-1 and B-3, which are located more than 25 ft away from the proposed building footprint) meet the New York City Building Code (Building Code) requirements for a shallow foundation system (i.e. footings or mat foundation) for the proposed 33,000 sq-ft building footprint.

Review of Available Geologic Information

The site is underlain by a glacial deposit known as ground moraine. New York City's subsurface soils are primarily the result of repeated glaciations and ice advancement during the Pleistocene Era. During ice advancement, soil and rock scrapped from the surface and pushed southward by the glaciers was deposited at the limit of the ice advance as a wall of soil and rock called terminal moraine. The New York City area terminal moraine stretches across northern Long Island, to Staten Island, to New Jersey. When the climate moderated, the glacier began a gradual northward retreat. During the glacier retreat, soil and rock material was still carried south in the melting glacier and was spread out over the ground in front of the ice as a veneer called ground moraine. The ground moraine is a widespread dense layer, consisting typically of clay, sand, and boulders, typically less than 100 ft thick. A map showing New York City's surficial geology is presented in Figure 3.

The USGS "Bedrock and Engineering Geologic Maps of New York County and Parts of Kings and Queens Counties, New York, and Parts of Bergen and Hudson Counties, New Jersey", the bedrock formation underlying the site is Ravenwood Granodiorite and consists of both granite and diorite, which range in texture from granitic to gneissic. Bedrock in the area is noted to be about 100 to 150 ft below grade.

URS Investigation 2005

In September 2005 URS conducted a subsurface investigation program consisting of drilling seven test borings and installing two groundwater observation wells. The URS borings are denoted as B-1 and B-3 through B-8 and their locations are shown in Figure 4. Two observation wells were installed in completed borings B-1 and B-7. It is understood that the URS borings were drilled using mud-rotary drilling techniques and extended from about 62 to 101 ft below existing ground surface; rock cores were not obtained. Copies of the URS boring logs are presented in Appendix A.

Langan Investigation 2007

To accommodate the building design schedule, Langan's subsurface field investigation consisted of two phases:

1. The first phase was performed in March and April 2007, prior to and during demolition of the existing buildings. The drilling was performed by Craig Test Borings, Inc. (CTB) and consisted of drilling four test borings: LEG-20, LEG-22, LEG-24, and LEG-25.

2. The second phase was performed in September 2007 after the majority of the demolition work was completed. The drilling was performed by CTB and consisted of drilling seven test borings: LG-6 through LG-9, LEG-19, LEG-21, and LEG-23. We note that borings LG-1 through LG-5 and LEG-1 through LEG-18, etc. were drilled at adjacent parcels for a different development and not included in this study.

Drilling work for both phases was performed under the full-time controlled inspection of a Langan geotechnical engineer. The approximate boring locations are shown in Figure 4. All borings were advanced using a truck-mounted drill rig and rotary drilling techniques, with drilling fluid and steel casing providing the soil support. Standard Penetration Tests (SPT)[2] and split spoon sampling (ASTM D1586-84) were performed continuously through the fill materials and at 5-ft intervals thereafter to the top of rock. Boring depths ranged from about 94 to 122 ft below existing grades; the corresponding elevations are about el -59 to el -87. About 10 ft of rock core was obtained in seven boring locations using an NX-sized double-tube core barrel with a diamond-cutting bit. Rock type, percent core recoveries[(3)], and Rock Quality Designation (RQD)[(4)] values were determined for each core run.

Soil samples were visually examined and classified in the field in accordance with the Unified Soil Classification System (USCS), and assigned classification numbers in

[2] The Standard Penetration Test is a measure of the soil density and consistency. The SPT N-value is defined as the number of blows required to drive a 2-inch outer diameter split-barrel sampler 12-inches, after an initial penetration of 6-inches, using a 140-pound hammer falling freely for 30-inches.

[3] Core recovery is defined as the ratio of the total length of rock recovered to the total length of core run.

[4] The Rock Quality Designation (RQD) is defined as the sum of the lengths of all core pieces over 4-inches in length (for NX core size) divided by the total core run length. The RQD is an indicator of the quality of the rock formation.

accordance with the Building Code. All samples were returned to our office for laboratory testing and confirmation of field classifications. Soil classifications, SPT N-values, and other field observations were recorded on field logs. Copies of Langan boring logs are reproduced in Appendix B.

Five groundwater observation wells were installed in completed borings LEG-19, LEG-20, LEG-21, LEG-22 and LEG-23. Each well consisted of 1¼-inch-inside-diameter solid PVC pipe with a machine-slotted screen at the bottom 10 ft of the well. Water level readings were measured periodically during and upon completion of the drilling program. Copies of the well construction logs for Langan borings are presented in Appendix B.

Laboratory Testing

Laboratory tests were conducted on representative soil samples retrieved from both the URS and Langan subsurface investigation. The purpose of the geotechnical laboratory testing was to confirm visual field classifications and to define index (physical and mechanical) properties for use in the evaluation and design of the foundation system. The laboratory tests included Sieve Analyses (ASTM D422), Natural Water Content determinations (ASTM D2216) and, Liquid and Plastic (Atterberg) Limits (ASTM D4318). The laboratory test results from URS and Langan investigations are provided in Appendix C and Appendix D, respectively, and are summarized in the Subsurface Conditions section below.

SUBSURFACE CONDITIONS

The soil profile generally consists of uncontrolled fill underlain by sand, weathered rock, and finally bedrock. Geologic profiles are shown on Figure 5 and Figure 6. A detailed description of each subsurface stratum is provided below in the order of increasing depth.

Fill [11-65][5]

A layer of uncontrolled surficial fill, consisting of coarse to fine sand with varying amounts of silt, gravel, and construction debris (brick, concrete, etc) was encountered in all borings The thickness of the fill ranged from about 4 ft (Borings B-1, B-5, B-7 and B-8) to 24 ft (Boring LEG-24). SPT N-values within the fill layer ranged from about 7 blows per foot (blows/ft) to

[5] Numbers in brackets indicate classification of soil and rock materials in accordance with the New York City Building Code.

more than 100 blows per six inches of spoon penetration (practical refusal). The depth of the fill layer, the high SPT N-values, and the very hard drilling within the fill layer indicate the presence of former foundation elements i.e. slabs, foundation walls, footings, etc.

The fill layer is classified as Building Code Class 11-65 Nominally Unsatisfactory bearing material.

Sand [7-65]

Coarse to fine sand, containing various amounts of gravel and silt was encountered immediately below the fill layer, in all borings. The top of the sand layer varied from about el 34 (Boring B-1) to el 11 (Boring LEG-24) and its thickness varied from about 75 to 94 ft. A 2--ft-thick (Boring LG-9) to 11-ft-thick (Boring B-6) layer of gravel was encountered to be inter-bedded in the sand layer in eight borings. In addition, a 2--ft-thick (borings LEG-19 and LEG-23) to 6--ft-thick (borings LG-8 and LG-9) layer of silty fine sand was also encountered in five borings. SPT N-values in the sand varied from 11 blows/ft to split spoon refusal, indicating a medium dense to very dense material and/or the presence of gravel, cobbles, and boulders. The average N-value for the sand layer was about 47 blows/ft.

Obstructions, possible cobbles and/or boulders, were encountered within the sand layer in Langan borings LEG-21 and LEG-22. Boring LEG-21 had to be relocated. The boulders encountered at depth of about 17 and 30 ft below existing grade. The URS borings were not advanced through boulders; however, side notes on the URS borings logs suggest the presence possible cobbles and/or boulders based on drilling resistance. Based on our experience with projects at the site vicinity, large boulders are abundant in this area Brooklyn, could present significant challenges during the foundation construction, and should be assumed present by the foundation contractor.

Ten representative samples of the sand layer from URS and Langan investigations were tested in the laboratory. The results indicate that the samples are typically well to poorly graded sand, silty sand and gravelly sand (SP, SP-SM, SM in accordance with Unified Soil Classification System (USCS)). The samples had about 5% to 18% by weight of the material passing the No. 200 sieve (silt/clay particles). Refer to Appendix C and Appendix D for laboratory test results.

The sand is classified as Building Code Class 7-65 material. The inter-bedded gravel layer is classified as Building Code Class 6-65 material and the inter-bedded fine silty sand layer is classified as Building Code Class 8-65 material.

Silty Clay [9-65]

An about 5-ft-thick layer of low plasticity silty clay was encountered below the sand layer in borings B-4, LEG-23 and LEG-24. The top of the silty clay layer varied from about 93 to 99 ft below existing grades; the corresponding elevations are about el -62 to el -67. The bottom of the silty clay layer varied from about 99 to 104 ft below existing grades; this corresponding to about el -68 to el -72. SPT N-values in this layer varied from 44 to 50 blows per one inch of spoon penetration indicating a hard layer.
Two representative samples of the clay layer were tested in the laboratory. Results indicated that the clay samples are of low plasticity (CL in accordance with USCS). The samples had a Liquid Limit (LL) of 44 and 45, a Plastic Limit (PL) of 19 and 22, a Plasticity Index (PI) of 25 and 23, and a moisture content of about 23% and 28%. The water contents from both samples are close to the plastic limit indicating that the clay is likely overconsolidated. Refer to Appendix C and Appendix D for laboratory test results.

The clay is classified as Building Code Class 9-65 material.

Bedrock [1-65 to 3-65]

The local bedrock is part of the Hartland formation and is comprised of gray muscovite-biotite-quartz with minor garnets. The bedrock encountered on the site was typically hard, fine grained, light to dark gray granitic gneiss with white quartz seams. A thin layer of weathered rock less than 5-ft-thick was encountered in one boring (LEG-24) immediately above sound rock. The top of sound rock was encountered at depths ranging from 90 ft (Boring LEG-19 at the eastern end of the site) to 112 ft (Boring LEG-24 at the western end of the site) below the ground surface. The corresponding top of sound rock elevations are about to el -55 to el -77. Core recoveries ranged from about 50% to 100%. Rock Quality Designation (RQD) values ranged from about 33% to 97%. The bedrock was typically found to be moderately fractured and slightly weathered at the joints. The rock quality generally improved with depth.

The rock is classified as Building Code Class 1-65 to 3-65. The weathered rock is classified as Building Code Class 4-65 rock.

Groundwater

The groundwater elevation at the site was measured in July 2005 by URS and March, April, and October 2007 by Langan inside seven observation wells installed by URS (B-1 and B-7) and Langan (LEG-19, LEG-20, LEG-21, LEG-22, and LEG-23). The groundwater level was measured to range from about 24.9 to 33.5 ft below existing grades; the corresponding elevations are about el 2 to el 3.1. The stabilized groundwater elevation is about el 3. Groundwater elevations readings are summarized in Table 1.

FOUNDATION EVALUATION AND DESIGN RECOMMENDATIONS

The following provides our recommendations for feasible foundation systems and other geotechnical-related design parameters including seismicity, permanent groundwater control and foundation drainage, and permanent below grade walls.

Seismic Criteria

The following seismic parameters are based on the 2007 Building Code provisions:

Site Coefficient

The seismic provisions of the Building Code requires the assignment of a site coefficient, S-factor, based on the soil profile. S-types vary from S_0 for buildings with footings supported directly on hard rock, to S_4 for buildings underlain by thick deposits of unsuitable or soft bearing strata. In accordance with the Building Code, the soil profile shall be the soil on which the structure foundations bear on, or in which the pile caps are embedded, and all underlying soil materials; in this case below the sub-cellar level.

The soil type in which the building will be founded is generally a medium dense to very dense granular soil less than 100 ft to the top of rock. Per the New York City Seismic Code, the soil profile type is S_1. The corresponding site coefficient factor is 1.0.

Soil Liquefaction

The Building Code requires that sands, granular fill and inorganic silt bellow the water table and to a depth of 50 ft be assessed for potential soil liquefaction. The uncorrected N-values versus depth from the borings are plotted on the Building Code Liquefaction Assessment Chart in Figure 7. 16 out of 97 SPT N-values recorded fall within the Building Code Category B, Possible Liquefaction. The remaining N-values fall within the Building Code Category C, Liquefaction Unlikely.

According to the Building Code Reference Standard RS 9-6, soil shall only be considered liquefiable for structures of Occupancy Category I – Essential Facilities, Category II – Hazardous Facilities, and Category III – Special Occupancy Structure. Because about 83% of recorded N-values fall into Category C in the liquefaction assessment chart and the proposed building does not fall into any of the state occupancy categories, soil liquefaction need not be considered in the foundation design.

Foundations

The proposed sub-cellar finished floor will be at about el 5.3, or about 23 to 32 ft below existing site grades. Based on the subsurface investigation findings and the design loads provided by GACE, we considered three foundation schemes for the proposed structure:

1. Micro-piles or caissons to support the heavier tower loads combined with isolated spread footings to support the relatively lighter loads of the low-rise part of the structure at the western half of the site.

2. A continuous mat foundation to support the heavier tower loads combined with isolated spread footings to support the relatively lighter loads of the low-rise part of the structure at the western half of the site.

3. Option 2 above with the addition of Ground Improvement Elements (GIE) below the mat foundation to reduce the estimated settlements.

The above foundation alternatives and related items are discussed below. We note that because the finished sub-cellar floor (el 5.34) is about 1.5 ft above the measured groundwater level at the site, all options discussed below will required extensive dewatering during foundation construction. Recommendations for construction dewatering are provided in a subsequent section of this report.

Option 1 – Deep Foundations Combined with Spread Footings

This option consists of micro-piles or caissons to support the heavier tower columns (about 1,600 to 4,200 kips), combined with isolated spread footings to support column loads of about 400 to 800 kips below the low-rise part of the structure at the western half of the site. This foundation alternative is discussed below.

The total number of borings performed at the site does not meet the Building Code requirements for number of borings for a deep foundation system, (one boring for every 1,600 sq-ft of building area). If caissons or micro-piles are selected to support the new tower, one or two additional borings would be needed within the eastern half of the site. We note that variance for a reduced number of borings can be requested from the New York City Department of Building Brooklyn Borough Commissioner; the request could be granted or denied.

Micro-piles

A micro-pile is a relatively small diameter drilled and grouted element. Typical micro-pile installation includes drilling of a steel casing into the natural sand stratum. Grout is then injected under pressure through the casing while the casing is partially withdrawn. Diameters typically range from 7 to 12 inches or larger. Based on the site subsurface conditions, our analysis, and discussions with local foundation contractors, a 12- to 14-inch-diameter micro-pile with a grouted socket length of 40 to 50 ft could provide design loads of about 200 tons in compression and about 70 tons in tension. Various diameters and length can be used to provide various load capacities.

Caissons

A caisson is a deep foundation element that is drilled through the overburden into the underlying bedrock. The element consists of large diameter steel pipe drilled to the top of rock, and an uncased drilled rock socket. After drilling, the

entire shaft is filled with concrete or grout and high strength steel reinforcement bars or I-beams.

Caissons can vary in diameter from about 9-inches ("mini-caissons") to 60-inches or more. For the proposed design loads, caisson diameters of 18 to 36 inches appear feasible. The load carrying capacity of the caisson is designed assuming peripheral shear (between the concrete and the side of the rock socket) and end bearing. The recommended peripheral shear resistance for gravity loads is 200 psi and for uplift 100 psi. Caissons can be designed for 40 tsf allowable end bearing plus a 10 percent increase for each foot of rock embedment but not to exceed twice the base value (i.e. 80 tsf). Side shear resistance in the top 3 ft of the rock socket should be neglected due to the somewhat fractured and uneven nature of the surficial rock.

For design loads of 1,000 to 1,500 tons axial load, we have developed the preliminary designs shown in Table 2. The construction drawings typically provide a "base" caisson design. Foundation contractors will often provide the final caisson design based on available equipment, materials, and professional preferences.

General Deep Foundation Note

For either the micro-piles or caissons option, the foundation contractor should note the difficult drilling conditions encountered in the test borings; miscellaneous demolition debris and former foundation elements in the upper fill and cobbles and/or boulders embedded in the dense sand were encountered. These conditions were discussed previously and are illustrated in the boring logs, and in Figure 5 and Figure 6. Micro-pile and caisson installation through construction debris and numerous cobbles and/or boulders is typically difficult and time-consuming.

Spread Footings

The Class 6-65 and 7-65 sand and gravel materials encountered below the proposed sub-cellar top of slab elevation (el 5.3) are suitable to support isolated column spread footings and wall footings. We recommend an allowable bearing

pressure of 4 tsf. To limit punching shear failure and to ease construction, the minimum size for individual footings should be 9 sq-ft (3 ft by 3 ft) and 2-ft-wide for strip footings. Recommendations for subgrade preparation are provided in a subsequent section. Because the bearing soil is sand, most of the settlement will occur during construction with minimal long-term settlement. Based on the proposed building loads, we have estimated a total settlement of about ¼ to ½ inch.

Estimated Differential Settlements for System

For the proposed loads, we have estimated that for a 24- to 36-inch-diameter caisson, the differential settlements between spread footings and caissons would be about ¼ inch or less. For a 14- to 16-inch-diameter, 40- to 50-ft-long micro-pile, the anticipated differential settlements between micro-pile groups and spread footings could be as much as 1 to 1.5 inches. In addition, based on available column load information from BFC Tower drawings, induced pressures from the proposed structure of the BFC tower are minimal and are not expected to result in additional settlement of the BFC tower. After the column loads are finalized, the footing sizes should be re-evaluated to verify that differential settlements are within acceptable limits.

Option 2 – Mat Foundation

We have considered using a continuous mat foundation below the high-rise footprint (eastern half of the site) to spread column loads and minimize foundation settlements. For a 5-ft-thick concrete mat, the bottom of the mat foundation will be at about 37 ft below existing surface grades; the corresponding elevation is about el 0.5. This level is within the natural sands and gravelly sands Building Code Class 6-65 and Class 7-65 materials. As discussed, the natural sands and gravelly sands are considered satisfactory bearing materials by the Building Code and are adequate to support a shallow foundation system. The recommended allowable bearing pressure is 6 tons per sq-ft (tsf) taking into account the increase for embedment. Based on the column loads and mat deflections provided by GACE, we recommend three different moduli of subgrade reaction (K-values) assuming that the footprint below the tower is divided into three areas as shown in Figure 8. The recommended moduli of subgrade

reaction are 50 lb/sq-inch per inch (pci) immediately below the tower core increasing to 75 pci and 100 pci towards the mat perimeter.

Using the proposed column loads and loading combinations (live, dead and wind loads) provided by GACE, we estimated the total and differential settlements for the mat foundation using the Schmertmann (1970, 1978) and Burland & Burbidge (1985) methods. We also estimated settlements and induced stresses on the adjacent foundations using the commercial Finite Elements Analysis program PLAXIS-3D. In addition, GACE estimated the soil bearing pressures at the bottom of the mat using the commercial program SAFE.

The settlement analysis showed that for a 5-ft-thick mat foundation, the soil bearing pressures below the tower ranged between about 2 tsf at the tower perimeter to about 6 tsf at the tower core area. The settlements were estimated to be:

- About 2.25 to 2.5 inches below the proposed tower core;
- About 0.25 to 1 inch below the balance of the tower footprint, along the majority of the north foundation wall, and along the western edge of the mat;
- About 0.25 inch or less along the east and south foundation walls.

For the above total settlements, we estimated the differential settlement within the mat to be in the order of about 1 inch per 350 inches of building length (1/350). Based on conversations with GACE, this value of differential settlement may not be tolerable by the building superstructure. To reduce differential settlements, the core loads need to be spread across a larger area; this could be accomplished through the superstructure design or a thicker mat. If a mat foundation is selected, the modulus subgrade reaction needs to be refined as the mat structural analysis progresses.

<u>Option 3 – Mat Foundation on Improved Ground with Spread Footings</u>

This option consists of a mat foundation below the building tower (eastern half of structure) combined with isolated spread footings to support the relatively lighter podium base loads (western half of building), and installation of GIE at strategic locations below the mat to reduce the estimated differential settlements.

Analysis

As discussed above, the use of spread footings or a mat foundation is feasible and meets the Building Code requirements. However, differential settlements are a concern. To reduce total and differential settlements below the tower, we considered installing drilled and grouted vertical elements into the dense sand. The intent of these elements, referred herein as Ground Improvement Elements (GIE), is to increase the "bulk" soil stiffness below the core and thus to reduce settlements below the core.

To estimate the total and differential settlements for a 5-ft-thick mat and GIE system, we used a spreadsheet developed by the Department of Civil and Environmental Engineering at Virginia Tech based on a procedure developed by H. G. Poulos (2002). The results of our analysis were checked using the commercial Finite Elements Analysis program PLAXIS-3D. The mat thickness and limits, the loading combinations (dead, live, and wind loads) and GIE locations were provided by GACE.

According to the results of our analysis, for 30, 10-inch-diameter, 40-ft-long GIE spaced about 5 to 10 ft apart center-to-center, and a 5-ft-thick mat bearing on the sand and gravelly sand of 6 tsf allowable bearing capacity, the settlements are estimated to be:

- about 1.5 to 1.75 inches below the proposed core;
- about 0.25 to 1 inch below the balance of the mat, and less than 0.5 inch at the southeast corner of the proposed foundation perimeter
- Differential settlement to be on the order of about 1 inch per 450 inches (1/450) to 1/480 of building length.

Although the differential settlements were acceptable, GACE proposed a layout consisting of 76 GIE to reduce the induced bending stresses and reinforcement

in the mat, while maintaining the requirements of acceptable total and differential settlements. The layout proposed by GACE is shown as Appendix E.

We performed an additional Plaxis 3D study to estimate the settlements and differential settlements using the layout proposed by GACE. The results showed total settlements on the order of 1.35 to 1.75 inches and differential settlements on the order of 1/480; these results are essentially the same with the case of 30 GIE and were acceptable to GACE. The anticipated differential settlements between the edge of the continuous mat and spread footings could be as much as 0.1 to 0.75 inch.

For preliminary design, we recommend a modulus of subgrade reaction of 50 pci within the mat core and 70 pci at the edge of the mat. The recommended spring constant at the GIE locations is 250 kips per inch.

Load Test Program

The exact diameter, reinforcement, length, and spacing of the GIE will be determined based on the results of a design phase load test program. The load test program will consist of the installation, cyclic loading (to simulate wind loading), and geotechnical failure of two GIE. Each GIE will be 10- to 12-inch-diameter, drilled-in element, with an ultimate geotechnical capacity of 190 tons. The intent is to have the elements reach geotechnical capacity and have a butt settlement of about 1 inch at ultimate load. We expect that the load test program will be performed prior to the general excavation at the site; therefore, an isolation casing (outer casing) will be installed through the fill to the bottom of the continuous mat foundation (about el 0) to prevent load transferring in the fill. In addition, a "permanent" 5-ft-long inner casing shall be installed within the outer casing to a depth of 5 ft below the bottom of the continuous mat foundation (about el -5) to transfer the GIE load below the mat bearing level. The total drilling depth of the test GIE will be about 75 ft below existing grade.

Verification – Refinement of Design

As discussed with GACE, after the load test program is complete, the load test results will be evaluated and Langan will provide the final foundation design

moduli of subgrade reaction within the mat core and a spring constant value at the GIE locations. The foundation design could then be adjusted as required by GACE.

Permanent Groundwater Control and Foundation Drainage

The stabilized groundwater was measured at about 25 to 34 ft below ground surface; the corresponding elevation is about el 3, which is about 2.3 ft below the proposed finished sub-cellar floor. To account for emergency utility brakes and/or prolonged precipitation, we recommend a design groundwater elevation of 5 ft above the measured groundwater level or el 8. To limit water vapor infiltration (through the concrete, cold joints, shrinkage cracks, and/or utility penetrations), and associated dampness, we recommend that the sub-cellar slab, spread and strip footings, mat foundation and below grade walls be fully waterproofed with a membrane-type waterproofing, such as products by W.R. Grace & Co. The use of bentonite waterproofing is not recommended.

We note that waterproofing may be required to mitigate environmental concerns. As discussed herein, the findings of Langan's Phase II Environmental Site Investigation report and Work Plan will be issued separately.

Outboard of the waterproofing, the foundation walls should be protected with drainage panels for the full height of the wall. The drainage panels must be secured in place with the filter fabric side against the soil or the adjacent foundations. Joints in the filter material should be carefully taped to prevent concrete or soil from entering the drainage matrix. Any punctures or tears in the drainage panels and waterproofing membrane must be repaired, and penetrations by utilities should be carefully sealed in accordance with the manufacture's recommendations.

Quality control during the waterproofing installation is critical for long-term success. A pre-installation kick-off meeting with the manufacturer should be held at the site prior to work commencement. In addition, the waterproofing manufacturer should periodically inspect the installation work and provide input as necessary.

Permanent Below Grade Walls

Permanent below grade walls should be designed to resist static and dynamic earth pressures, and hydrostatic pressures. Two loading conditions should be considered: 1) static lateral earth pressures plus lateral pressures resulting from surface surcharge pressures and, 2) static plus dynamic earth pressures.

Backfill should not be placed until the wall concrete has reached its 28-day strength. Unless otherwise permitted by the structural engineer, backfilling should be performed after the construction of the cellar and first floor slabs or after temporary lateral bracing has been provided to prevent rotation of the wall.

Static Earth Pressures

We recommend the walls be designed using a triangular earth pressure distribution having an equivalent fluid weight 56 lb/sq-ft per ft of depth above the design groundwater level and 85 lb/sq-ft per ft of depth below the groundwater level. Lateral pressures from sidewalk and any other surcharge loads should be added as a uniform soil pressure equal to one-half the vertical pressure, applied over the full height of the wall. Our recommended lateral earth pressure diagram is presented in Figure 9.

Dynamic Earth Pressures

The dynamic lateral earth pressure distribution is as an inverted triangle having a maximum pressure at the ground surface of 11 H lb/ft^2 where H is the wall height in feet. The pressure reduces to zero at the bottom of the wall. Lateral earth pressures resulting from the vehicular and pedestrian surcharge loads need not be considered for the dynamic loading condition. Our recommended earth pressure diagram is presented in Figure 9.

Slab Support

As discussed herein, the proposed top of sub-cellar will be at about el 5.3 and the proposed design groundwater level is about 5 ft above the observed levels at el 8. We recommend that the sub-cellar floor slab, be designed as a structural slab to resist hydrostatic uplift to el 8. Below grade and elevator pit walls within the low-rise portion of the structure should be keyed into the slab and poured integral with a water stop.

SITE PREPARATION AND GENERAL CONSTRUCTION RECOMMENDATIONS

Our recommendations for earthwork including subgrade preparation, fill placement and compaction, support of adjacent foundations, temporary dewatering, underpinning, and perimeter excavation support, are provided below.

Subgrade Preparation

We expect that general excavation will extend to about el 0 (eastern half of the footprint) to about el 3 (western half of the footprint), which is as much as 37 ft below existing ground surface and about 3 ft below the measured groundwater levels at the site. The excavation for the car elevator pit at the southwest corner of the site will extend to about el -1.5, which is about 4.5 ft below the measured groundwater elevation. We recommend maintaining groundwater at least 2 to 3 ft below the mat, and footing subgrade elevation throughout foundation construction; this depth corresponds to about el -2 to el -3. Additional recommendations for construction dewatering are presented in a subsequent section.

To minimize soil disturbance at bearing elevation, excavation within the last foot of final mat, spread footing and wall footing subgrade should be performed by hand or by using an excavator fitted with a straightedge bucket or a bucket with a flat plate welded across the teeth. The exposed subgrade surface should be free of debris and/or other unsatisfactory material. The approved subgrade surface should be protected from precipitation, freezing weather, and construction traffic until concrete is placed. Methods of protection include sealing with lean concrete (mud-slab) or a gravel layer. The contractor shall not place any concrete for foundations on frozen ground, snow, or standing water. Foundation concrete should be placed as soon as possible on the prepared subgrade to prevent disturbance or softening.

Prior to the construction of the mat, spread footings, and wall footings, the subgrade should be leveled and proofrolled. Proofrolling should consist of at least six overlapping coverages of a 2-ton, smooth-drum vibratory roller or a 1-ton walk-behind vibratory plate for use at areas of limited access. Soft or loose zones identified during the proofrolling should be removed and replaced with compacted structural fill or lean concrete.

Support of Adjacent BFC Tower Foundations

As discussed, according to structural drawings prepared by Severud, the BFC tower is supported on a continuous mat foundation bearing at about el 10.5. The car elevator pit is located along the east foundation wall; the bottom of the elevator pit is at about el 7.3. The BFC tower foundation mat and walls are constructed about 4 to 8.5 ft away from the west of the property line. Severud's drawings also show a 4-ft-wide strip footing abutting the southern two-thirds of 86 Fleet Place building; the bottom of the strip footing is not provided on the structural drawings, however, we expect that the strip footing is shallow (say about 5 to 6 ft below existing grade).

Based on the current GACE structural drawings, the bottom of the proposed foundation excavation along the western property line is expected to extend to about el 0 or about 10.5 ft below the bottom of the BFC tower mat foundation. However, at the southwest corner of the 86 Fleet Place building, the construction of the car elevator will require excavation to about el -1.5, or about 12 ft below the bottom of the adjacent mat. Therefore, with the exception of the car elevator location and area where the BFC tower mat and wall footings are constructed about 4 ft west of the property line, the proposed excavation is outside the theoretical influence line of the BFC tower mat. The theoretical influence line is defined as a 1H:1V line drawn downward from the bottom of the BFC tower mat and toward the proposed foundation excavation. Therefore, depending of the contractor's means and methods for the installation of the excavation support system along the western foundation wall, underpinning may or may not be required. Underpinning will be required at the locations of the car elevators of both structures, where the foundation excavation will extend deeper than the general excavation and/or the neighboring foundation walls will be as close as about 4 ft. In addition, if the strip footing shown on the Severud drawings is constructed before the proposed foundation wall along Prince Street is completed; the strip footing will need to be underpinned.

We understand Red Apple has requested from the BFC, Owner of the adjacent site, to locally extend the mat foundation deeper in order to avoid underpinning of the mat. Red Apple has also requested from BFC that the strip footings construction abutting the property line be constructed upon completion of the proposed 86 Fleet Place foundation work. We note that Severud's structural details and/or notes do not reflect

or reference such agreement; therefore, the foundation contractor should assume underpinning of the mat foundation and strip footing where necessary.

Underpinning consisting of conventional underpinning concrete piers could be used to transfer the BFC tower loads to the same elevation as the proposed excavation. The underpinning system is likely to include temporary soil tie-backs to resist lateral pressures from for soil overburden and foundation loads. However, because of the proximity of the groundwater to the bottom of the excavation, the construction of the concrete piers can be difficult. Alternatively, underpinning consisting of mini-caissons bearing in rock could be installed. It is possible that mini-caissons will be also needed for underpinning of all or part of the neighboring strip footing (if necessary) at locations where access for underpinning of the BFC mat foundation is required.

The underpinning should be designed by the contractor's professional engineer registered in the state of New York. Because of the close proximity of the BFC tower, the construction sequence, and the depth of excavation, the contractor should engage a professional engineer (PE) familiar with similar difficult underpinning. The contractor's PE shall evaluate the foundation and excavation depths, site geometry, and loading conditions and design a system to efficiently and safely transfer the loads of the adjacent BFC tower below the proposed excavation level.

In addition to the above, prior to the beginning of the foundation work, the contractor should obtain information regarding the locations, depths, and foundations types and of nearby utilities to remain. Underpinning of existing utilities at the site perimeter should be provided if necessary.

Impact on Adjacent Subway Tunnel and Structures

An active NYCT subway tunnel, BMT lines N, Q, B, and D, is located about 130 ft to the west of the site beneath Flatbush Avenue Extension. The design team and the owner's NYCT expeditor, FNA Associates Inc. (FNA), submitted a foundation design and construction, package to the NYCT for their review and approval. The project subsequently received a letter of No-Impact from the NYCT dated 19 September 2007. We note that the foundation contractor should obtain from NYCT any additional approvals and permits for construction dewatering and crane installation as stipulated

in NYCT General Notes of the approved package. Construction dewatering is discussed in the following section.

Temporary Dewatering

The foundation construction will require extensive dewatering. A system of shallow well points or deep wells operated continuously around the clock will be needed to control the groundwater to accommodate the continuous mat foundation construction; the foundation constructor may elect to construct the isolated and continuous wall footings using isolated sheeted excavations, sumps and pumps. We recommend that the system be designed to maintain groundwater at least 2 to 3 ft below the subgrade level throughout foundation construction; this depth corresponds to about el -2 to el -3.

The temporary dewatering system can be discontinued once the sub-cellar floor is cast, the perimeter walls have been constructed to the first floor level, and the building dead weight plus GIE uplift capacity is sufficient to resist hydrostatic pressures resulting from a groundwater level at el 3. We recommend that the groundwater level both inside and outside the excavation be monitored from the start of pumping until the dewatering system is dismantled.

We understand that the Owner has engaged Moretrench American Corporation of Rockaway, New Jersey, to obtain the required New York City Department of Environmental Protection (NYCDEP) permits and New York State Department of Environmental Conservation (NYSDEC) for Long Island Well Permit. The foundation contractor should obtain any additional permits required from Federal, City or Local agencies having jurisdictions; including but not limited to NYCDEP, NYCT and NYSDEC.

Excavation Support and Temporary Below Grade Walls

The contractor should take appropriate measures to stabilize the work area and prevent lateral movements of the adjacent streets and buildings during excavation. Temporary excavation support such as soldier piling and wood lagging appears feasible along the entire excavation perimeter. Pre-drilling may be required due to the presence of foundation debris in the upper fill and obstructions such as cobbles and/or boulders in the sand stratum. In addition, the adjacent BFC tower is designed to cantilever over Prince Street from third to fifth floor. The construction of the BFC tower is in progress

and the contractor should be prepared to install excavation support along Prince Street with headroom of 25 ft or less. Soil excavation and installation of the excavation support system within the limits of the adjacent property will require obtaining pertinent written permission from BFC.

Temporary below grade walls should be designed to resist static earth pressures, pavement surcharge, and hydrostatic pressures. We recommend that cantilever and/or tieback walls be designed using a rectangular earth pressure distribution having an equivalent fluid weight of 24 lb/ft^2 per ft of depth. The lateral pressures from sidewalk and any other surcharge loads should be added as a uniform rectangular pressure applied to the full wall height as 50% of the sidewalk/surcharge load. The excavation contractor should perform final design of the shoring system, including selection of the design wall pressures.

As discussed, numerous underground utilities exist below the sidewalk along Prince Street; coordination with City agencies to abandon and remove these underground utilities is in progress. The contractor shall be aware that removal of these underground utilities is required in order to proceed with foundation construction along Prince Street. Based on the anticipated start of construction and conversations with the utility agencies and local authorities, the proposed foundation excavation and construction is likely to start before the removal of the existing underground utilities. This construction schedule will require initially a sloped open-cut excavation along Prince Street starting east of the existing utilities.

Because the site is classified as NYCDEP "E" Designated for noise and hazardous materials, all soil excavation, transportation and disposal should be in compliance with the NYCDEP's and NYSDEC's requirements and in accordance to the recommendations outlined in our Remedial Action Plan, dated October 2007.

Based on the fact that, the site is geologically located within the New York City ground moraine region, the hard drilling conditions encountered during our subsurface investigation, and our experience with foundation construction in the vicinity, large boulders (can be up to 15-ft-large in diameter) should be anticipated during foundation construction. Removal of large boulder will require pre-splitting using hydraulic or chemical splitter.

Fill Material, Placement, and Compaction Criteria

All imported fill, should be controlled fill as defined by the Building Code. Controlled fill shall be well-graded sand and gravel having not more than 10% by dry weight passing the No 200 sieve. The maximum particle size should be 4 inches. The fill should be free of organics, clay, and other deleterious or compressible materials. The on-site natural sand materials conforming to the above gradation criteria can be re-used as controlled fill. The use of recycled concrete aggregate (RCA) as backfill behind foundation walls is not recommended.

Controlled fill material should be placed in uniform 12-inch-thick loose lifts and compacted to at least 95% of its maximum dry unit weight as determined by ASTM D1557-93. In restricted areas where only hand-operated compactors can be used, the maximum lift thickness should be limited to 8 inches. The appropriate water content at the time of compaction should be plus or minus 2 percentage points of optimum as determined by the laboratory compaction tests of proposed fill material. No fill should be placed until all unsuitable material is removed and the underlying sand material has been proofrolled. No backfill material should be placed on areas where free water is standing or on frozen subsoil areas.

Pre-Construction Conditions Documentation and Monitoring of Adjacent Utilities and Structures During Construction

We recommend pre-construction conditions documentation of the adjacent building (BFC tower) along the west property line and other surrounding buildings be undertaken prior to commencement of construction activities at the site. Preconstruction documentation helps with protecting the owner from potential claims of construction-induced damage. We also recommend that a monitoring program be developed to observe the response of the adjacent buildings during foundation construction activities (i.e. excavation, sheeting, bracing, underpinning, dewatering, etc). This program should monitor horizontal and vertical movements by optical surveying. The monitoring program can be developed following the pre-construction conditions documentation.

Langan can perform the pre-construction documentation if required. The optical surveying should be performed by the foundation contractor's licensed surveyor.

CONSTRUCTION DOCUMENTS AND QUALITY CONTROL

Technical specifications and design drawings should incorporate our recommendations to ensure that subsurface conditions and other geotechnical issues at the site are adequately addressed in the construction documents. Langan should assist the design team in preparing specification sections related to geotechnical issues such as earthwork, excavation support and underpinning, caisson and pile foundations. Langan should also review foundation drawings and details, and all contractor submittals and construction procedures related to geotechnical work.

A professional engineer familiar with the site subsurface conditions and design intent should perform the engineering inspection and testing of geotechnical-related work during construction. We recommend that Langan perform this work to verify proper implementation of our recommendations and to maintain continuity of our responsibility for this project. Construction activities that require quality-control inspections as required by the Building Code include, but are not limited to, subgrade inspection and compacted fill placement.

LIMITATIONS

The conclusions and recommendations provided in this report are based on subsurface conditions inferred from a limited number of borings and test pits, as well as architectural and structural information provided by Dattner Architects and Goldstein Associates Consulting Engineers, respectively. Limited information pertaining to the adjacent new BFC tower was prepared by Severud Associate Consulting Engineers LLC. Recommendations provided are contingent upon one another and no recommendation should be followed independent of the others.

This report has been prepared for the proposed 86 Fleet Place development located at 86 Fleet Place, Brooklyn, New York to assist Red Apple Group, the architect, and the structural engineer in the design process and is only applicable to the envisioned project discussed herein. Any proposed changes in structures or their locations should be brought to our attention so that we can determine whether such changes affect our recommendations. Langan cannot assume responsibility for use of this report for any areas beyond the limits of this study or for any projects not specifically discussed herein.

Information on subsurface strata and groundwater levels shown on the logs represents conditions encountered only at the locations indicated and at the time of investigation. If different conditions are encountered during construction, they should immediately be brought to our attention for evaluation as they may affect our recommendations.

Environmental issues (such as potentially contaminated soil and groundwater) are outside the scope of this study and are addressed in separate reports.

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TABLE

TABLE 1

GROUNDWATER LEVEL READINGS
86 Fleet Place
Langan Project No. 5762901

Well Identification	B-1		B-7		LEG-19		LEG-20		LEG-21		LEG-22		LEG-23	
Ground Surface El.[1]	*38.0±*		*28.5±*		*30.0±*		*34.5±*		*30.0±*		*35.5±*		*32.0±*	
Date	Depth to Water (ft) [2]	Water Elevation	Depth to Water (ft) [2]	Water Elevation	Depth to Water (ft) [2]	Water Elevation	Depth to Water (ft) [2]	Water Elevation	Depth to Water (ft) [2]	Water Elevation	Depth to Water (ft) [2]	Water Elevation	Depth to Water (ft) [2]	Water Elevation
7/5/2005	27.6	10.4	-	-	-	-	-	-	-	-	-	-	-	-
7/6/2005	27.9	10.1	-	-	-	-	-	-	-	-	-	-	-	-
7/7/2005	28.9	9.1	-	-	-	-	-	-	-	-	-	-	-	-
7/11/2005	> 30 [3]	< 8 [3]	-	-	-	-	-	-	-	-	-	-	-	-
7/12/2005	> 30 [3]	< 8 [3]	-	-	-	-	-	-	-	-	-	-	-	-
7/25/2005	> 30 [3]	< 8 [3]	-	-	-	-	-	-	-	-	-	-	-	-
7/18/2005	-	-	24.9	3.6	-	-	-	-	-	-	-	-	-	-
7/19/2005	-	-	25.0	3.5	-	-	-	-	-	-	-	-	-	-
7/25/2005	-	-	26.3	2.2	-	-	-	-	-	-	-	-	-	-
3/20/2007	-	-	26.1	2.4	-	-	-	-	-	-	-	-	-	-
3/21/2007	-	-	26.1	2.4	-	-	-	-	-	-	-	-	-	-
3/22/2007	-	-	26.2	2.3	-	-	-	-	-	-	-	-	-	-
3/27/2007	-	-	26.1	2.4	-	-	-	-	-	-	-	-	-	-
3/28/2007	-	-	26.2	2.3	-	-	28.3	6.2	-	-	-	-	-	-
3/30/2007	-	-	26.2	2.3	-	-	31.8	2.7	-	-	-	-	-	-
4/2/2007	-	-	26.4	2.1	-	-	-	-	-	-	-	-	-	-
4/3/2007	-	-	26.4	2.1	-	-	31.8	2.7	-	-	-	-	-	-
4/10/2007	-	-	26.4	2.1	-	-	31.5	3.0	-	-	33.5	2.0	-	-
4/11/2007	-	-	26	2.1	-	-	31.6	2.9	-	-	33.5	2.0	-	-
4/16/2007	-	-	26	2.7	-	-	31.2	3.3	-	-	32.7	2.8	-	-
4/23/2007	-	-	26	2.6	-	-	31.4	3.1	-	-	32.5	3.0	-	-
4/25/2007	-	-	26	2.5	-	-	31.4	3.1	-	-	32.6	2.9	-	-
4/27/2007	-	-	-	-	-	-	31.2	3.3	-	-	32.7	2.8	-	-
4/30/2007	-	-	26	2.6	-	-	31.4	3.1	-	-	32.8	2.7	-	-
9/13/2007	-	-	-	-	25.6	4.4	-	-	-	-	-	-	-	-
9/17/2007	-	-	-	-	26.5	3.5	-	-	26.5	3.5	-	-	29.2	2.8
9/27/2007	-	-	-	-	-	-	-	-	27.5	2.5	-	-	29	3.0
10/9/2007	-	-	25.9	2.6	-	-	-	-	-	-	-	-	-	-

Notes:
(1) All elevations are approximate and are referenced to the Borough President of Brooklyn Highway Datum, which is 2.560 ft above USGS NGVD mean sea level at Sandy Hook, NJ (1929)
(2) All depths are approximate and are measured from existing ground surface
(3) URS's 30-ft-deep well at B-1 was found to be dry

TABLE 2

PRELIMINARY CAISSON DESIGN OPTIONS
86 Fleet Place
Langan Project No.: 5762901

		Estimated Geotechnical Capacity [2]	
Casing Diameter (ID) (inches)	Rock Socket Length (ft) [1],[3]	Axial (tons)	Uplift Capacity (tons)
18	18	1000	500
24	18	1350	650
36	14	1500	750

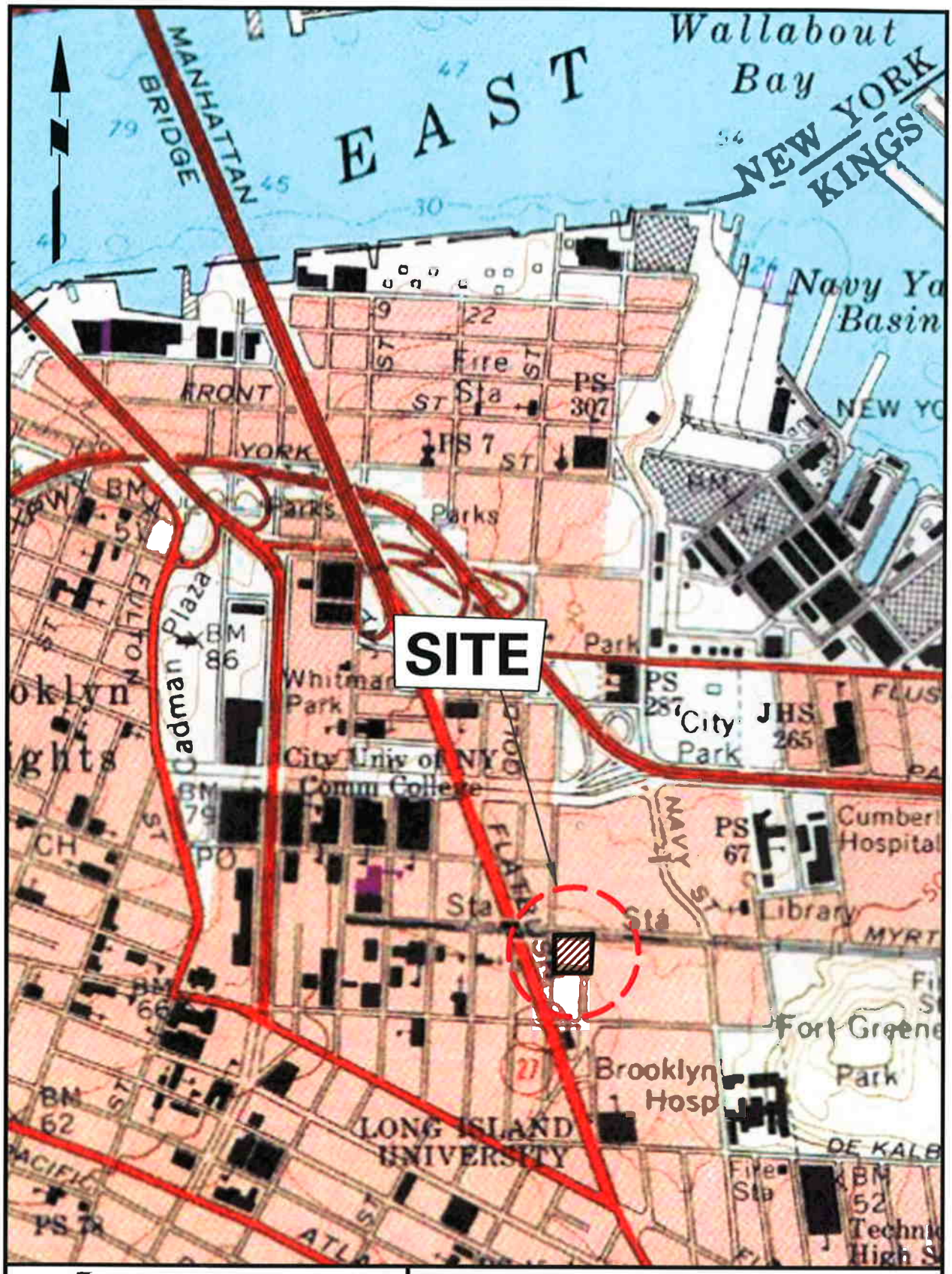
Notes:

(1) The lengths include a sacrificial 3-ft-length to account for fractures close to the top of rock.

(2) Structural capacity (steel reinforcement and concrete or grout strength) requirements to meet the Building Code, once the design loads are finalized.

(3) Rock socket lengths were calculated based on side shear only; end-bearing capacity is not included.

FIGURES



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NJ Certificate of Authorization No: 24GA27996400

SITE LOCATION MAP

86 FLEET PLACE

BROOKLYN NEW YORK

Project No.	Date	Scale	Dwg. No.
5762901	01/18/08	NTS	1

LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A	No Base Flood Elevations determined.
ZONE AE	Base Flood Elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR	Special Flood Hazard Area formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99	Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V	Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE	Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X	Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X	Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D	Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

	1% annual chance floodplain boundary
	0.2% annual chance floodplain boundary
	Floodway boundary
	Zone D boundary
	CBRS and OPA boundary
	Boundary dividing Special Flood Hazard Area Zones and boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
513	Base Flood Elevation line and value; elevation in feet*
(EL 987)	Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the National Geodetic Vertical Datum of 1929

A — A	Cross section line
23 - - - - - 23	Transect line
87°07'45", 32°22'30"	Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
4276000 N	1000-meter Universal Transverse Mercator grid values, zone 18
600000 FT	5000-foot grid ticks: New York Long State Plane coordinate system, Island zone (FIPSZONE 3104), Lambert Conformal Conic projection
DX5510 ×	Bench mark (see explanation in Notes to Users section of this FIRM panel)
• M1.5	River Mile

MAP REPOSITORY
City of New York, Department of City Planning, 22 Read Street, 6th Floor, New York, New York 10007(Maps available for reference only, not for distribution.)

INITIAL NFIP MAP DATE
June 28, 1974

FLOOD HAZARD BOUNDARY MAP REVISIONS
June 11, 1976

FLOOD INSURANCE RATE MAP EFFECTIVE
November 16, 1983

FLOOD INSURANCE RATE MAP REVISIONS

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

N

NFIP NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0203F

FIRM
FLOOD INSURANCE RATE MAP

CITY OF
NEW YORK,
NEW YORK
BRONX, RICHMOND, NEW YORK, QUEENS, AND KINGS COUNTIES

PANEL 203 OF 457

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
NEW YORK, CITY OF	360497	0203	F

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

MAP NUMBER
3604970203F

MAP REVISED
SEPTEMBER 5, 2007

Federal Emergency Management Agency

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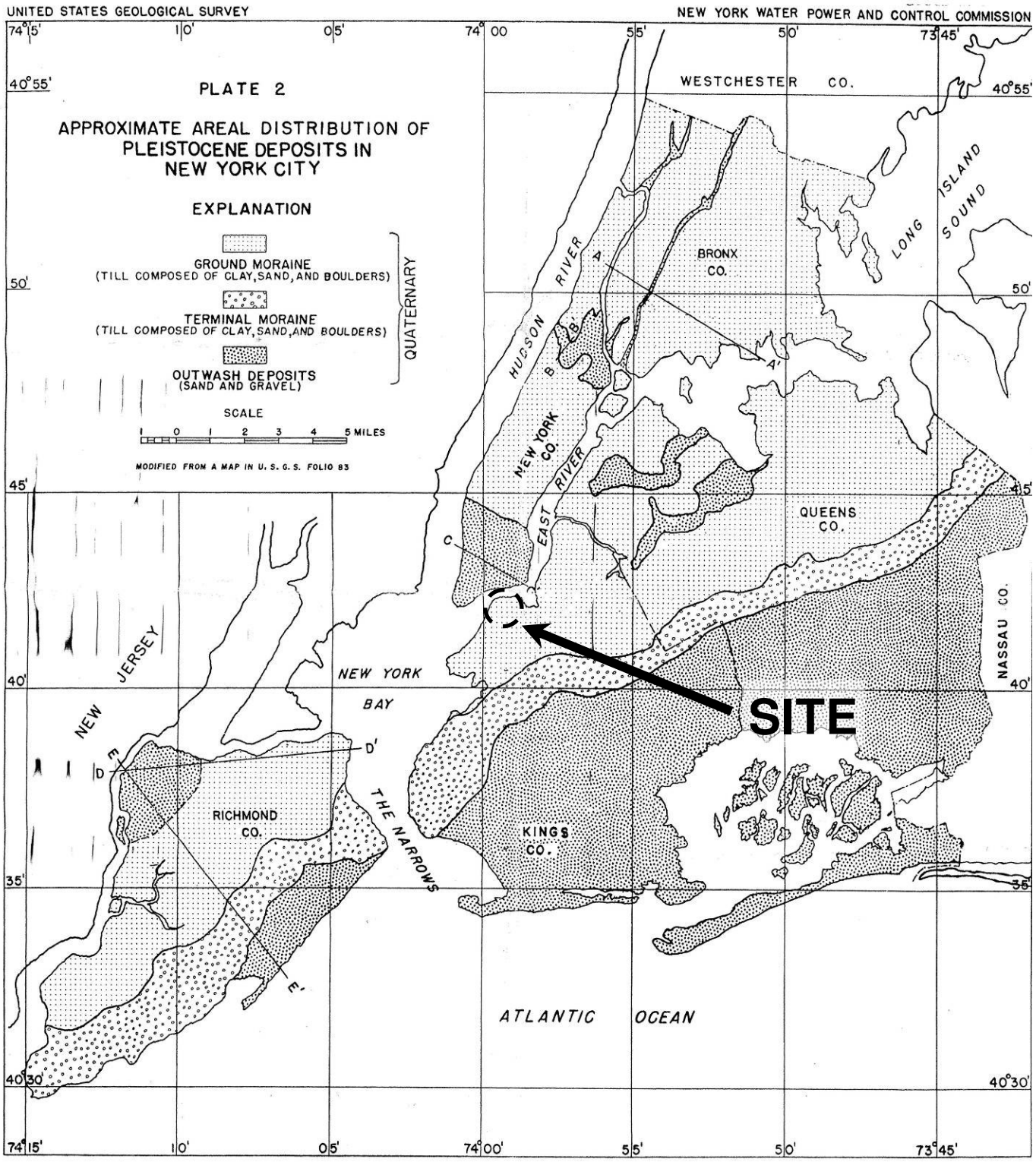
86 FLEET PLACE

86 FLEET PLACE TOWER
FEMA FLOOD INSURANCE RATE MAP

BROOKLYN NEW YORK

Project No.	Date	Scale	Fig. No.
5762901	01/18/2008	N.T.S	2

Filename: U:\Data9\5762901\Cadd Data - 5762900\Dwg\Geotech Report (tower)\5762901 - FEMA Flood (tower).dwg Date: 2/12/2008 Time: 18:06 User: jou Style Table: Langan.stb Layout: Flood



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86 FLEET PLACE

NEW YORK CITY SURFICIAL GEOLOGY MAP

BROOKLYN NEW YORK

Project.	Date	Scale	Figure
5762901	12/05/07	NTS	3

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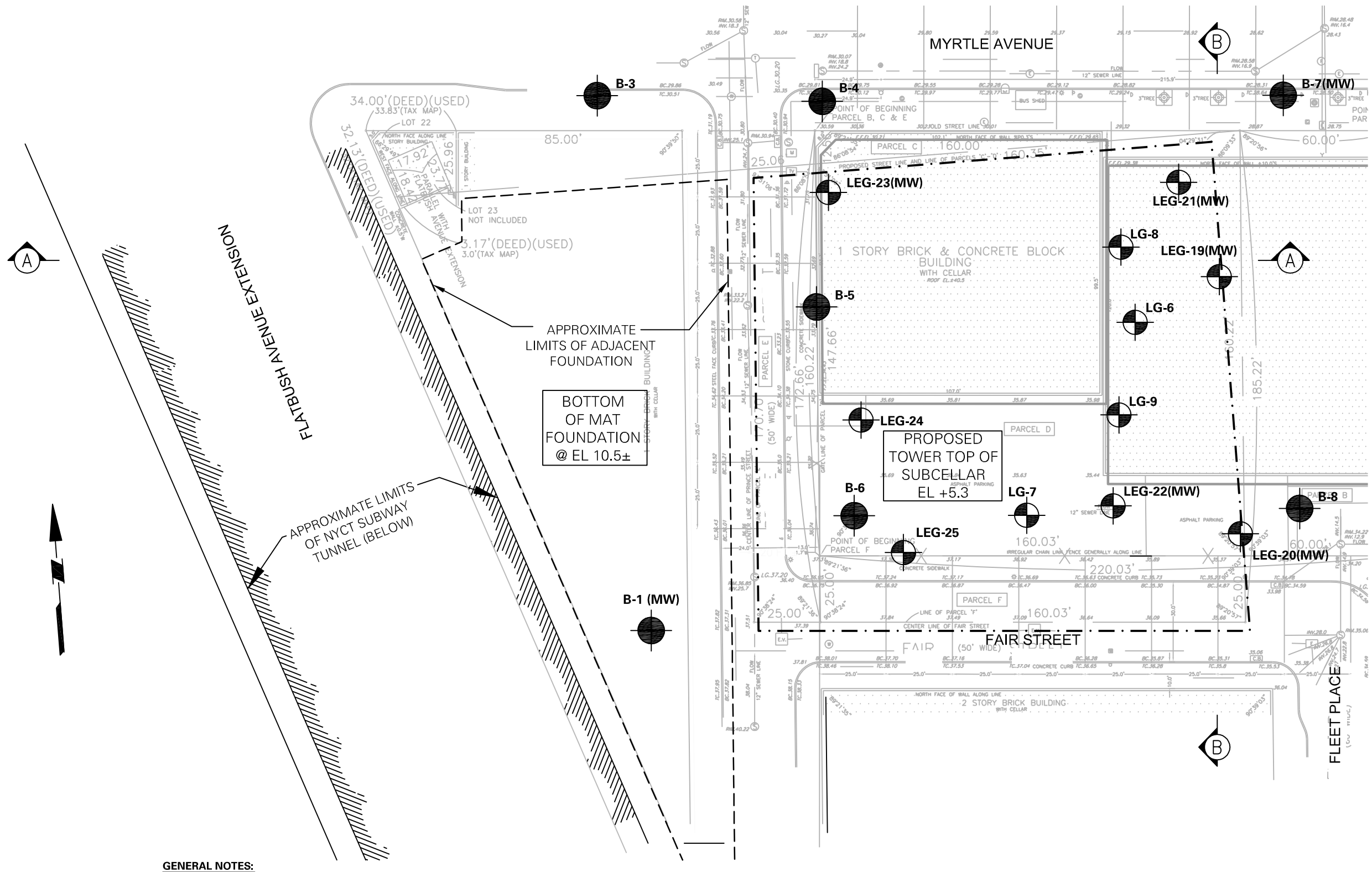

LEGEND:

- URS BORINGS DRILLED IN SEPTEMBER 2005
- LEG-1/LG-1 — LANGAN BORINGS DRILLED IN MARCH, APRIL AND SEPTEMBER 2007 (GEOTECHNICAL AND ENVIRONMENTAL)
- (MW) — MONITORING WELL
- APPROXIMATE LIMITS OF PROPOSED BUILDING FOOTPRINTS

GENERAL NOTES:

1. SURVEY BASE PLAN PREPARED BY GERALD T. O'BUCKLEY PROFESSIONAL LAND SURVEYORS, DATED 11 MAY 2006, 1ST REVISION DATED 22 MAY 2006 AND 2ND REVISION DATED 22 JUNE 2006.
2. REFERENCE FOR LIMITS AND SECTIONS OF NYCT STRUCTURE BENEATH FLATBUSH AVENUE EXTENSION ARE THE FOLLOWING DRAWINGS OF THE NYCTA DE KALB AVENUE RECONSTRUCTION - SECTION 1 - FLATBUSH AVENUE EXTENSION - BRIDGE STREET TO WILLOUGHBY STREET:
   - DWG NO. 301: ALIGNMENT AND GRADES
   - DWG NO. 328: COLUMN LOCATIONS AND INVERT PLANS
   - DWG NO. 330: SECTION EE
   - DWG NO. 331: SECTION GG
3. ALL ELEVATIONS REFER TO BOROUGH PRESIDENT OF BROOKLYN HIGHWAY DATUM, WHICH IS 2.56 FT ABOVE MEAN SEA LEVEL AT SANDY HOOK, NEW JERSEY.
4. SEE FIGURES 5 AND 6 FOR SUBSURFACE PROFILES A-A AND B-B, RESPECTIVELY.
5. LANGAN BORINGS (LEG- AND LG-) WERE PERFORMED BY CRAIG TEST BORING CO., INC OF MAYS LANDING, NEW JERSEY, BETWEEN MARCH, APRIL AND SEPTEMBER 2007 UNDER THE FULL-TIME INSPECTION OF LANGAN ENGINEERS.
6. URS BORINGS (B-) WERE PERFORMED IN SEPTEMBER 2005.
7. ALL BORING LOCATIONS SHOWN ARE BASED ON MEASUREMENTS FROM EXISTING SITE FEATURES. ALL LOCATIONS SHALL BE CONSIDERED APPROXIMATE.

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86 FLEET PLACE

BORING LOCATION PLAN

BROOKLYN NEW YORK

Project No.	Date	Scale	Fig. No.
5762901	01/18/2008	1"=40'	4

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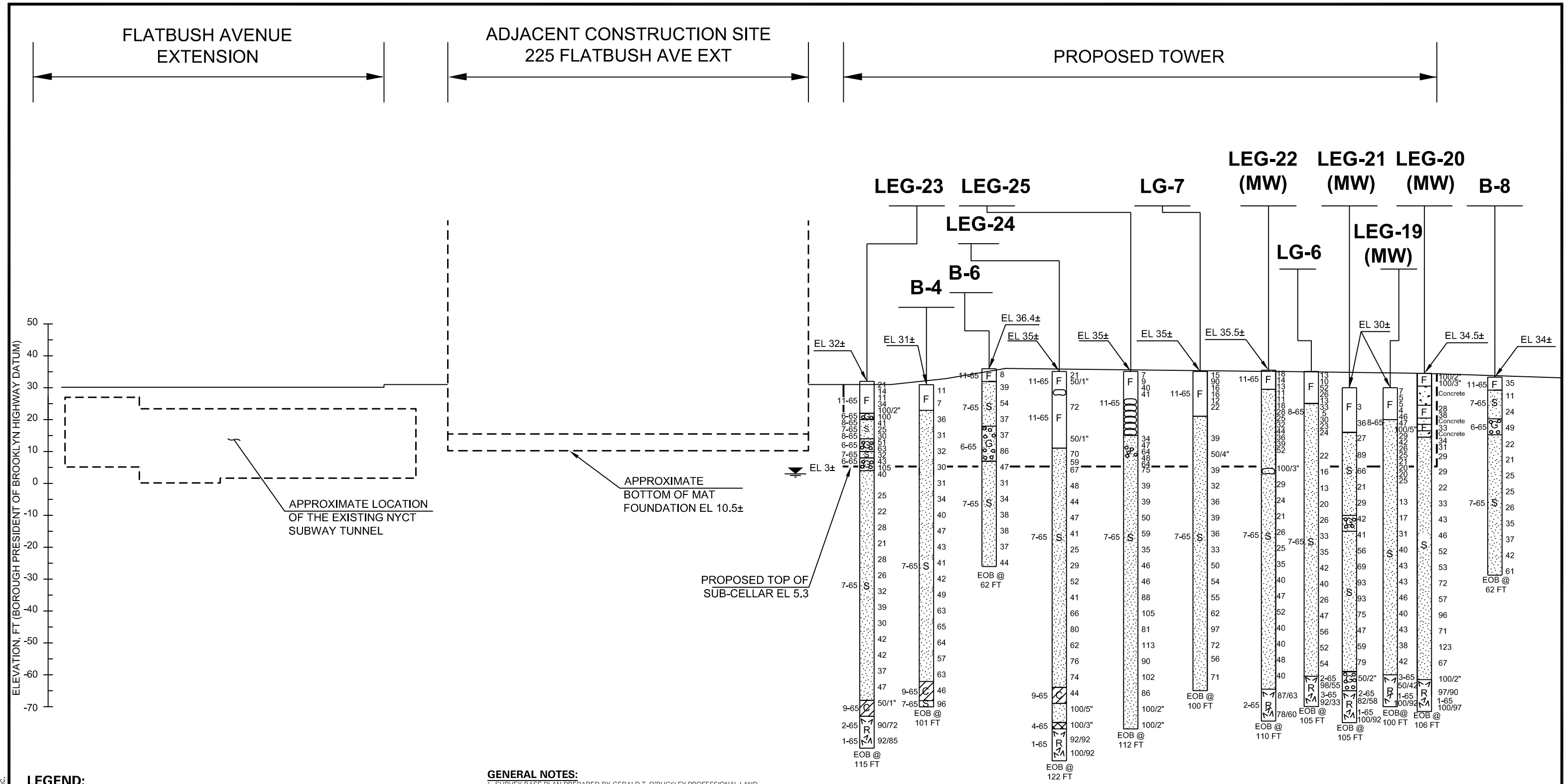

LEGEND:

- SAND
- GRAVEL
- BOULDER/ OBSTRUCTION
- SILT
- CLAY
- DECOMPOSED/ WEATHERED ROCK
- UNCONTROLLED FILL
- BUILDING LIMITS
- GROUND SURFACE
- ORGANIC PEAT
- ORGANIC SILT
- ROCK

B(OW)
EL
N
X-65

B BORING IDENTIFICATION
EL GROUNDSURFACE ELEVATION AT TIME OF BORING
N STANDARD PENETRATION RESISTANCE
X-65 NEW YORK CITY BUILDING CODE CLASSIFICATION
(OW) GROUNDWATER OBSERVATION WELL
MEASURED GROUNDWATER LEVEL

GENERAL NOTES:

1. SURVEY BASE PLAN PREPARED BY GERALD T. O'BUCKLEY PROFESSIONAL LAND SURVEYORS, DATED 11 MAY 2006, 1ST REVISION DATED 22 MAY 2006 AND 2ND REVISION DATED 22 JUNE 2006.
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   DWG NO. 328: COLUMN LOCATIONS AND INVERT PLANS
   DWG NO. 330: SECTION EE
   DWG NO. 331: SECTION GG
3. ALL ELEVATIONS REFER TO BOROUGH PRESIDENT OF BROOKLYN HIGHWAY DATUM, WHICH IS 2.56 FT ABOVE MEAN SEA LEVEL AT SANDY HOOK, NEW JERSEY.
4. LANGAN BORINGS (LEG- AND LG-) WERE PERFORMED BY CRAIG TEST BORING CO., INC OF MAYS LANDING, NEW JERSEY, BETWEEN MARCH, APRIL AND SEPTEMBER 2007 UNDER THE FULL-TIME INSPECTION OF LANGAN ENGINEERS.
5. URS BORINGS (B-) WERE PERFORMED IN SEPTEMBER 2005.
6. ALL BORING LOCATIONS SHOWN ARE BASED ON MEASUREMENTS FROM EXISTING SITE FEATURES. ALL LOCATIONS SHALL BE CONSIDERED APPROXIMATE.

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86 FLEET PLACE

SUBSURFACE PROFILE

BROOKLYN NEW YORK

Project No.	Date	Scale	Fig. No.
5762901	01/18/2008	1"=30'	5

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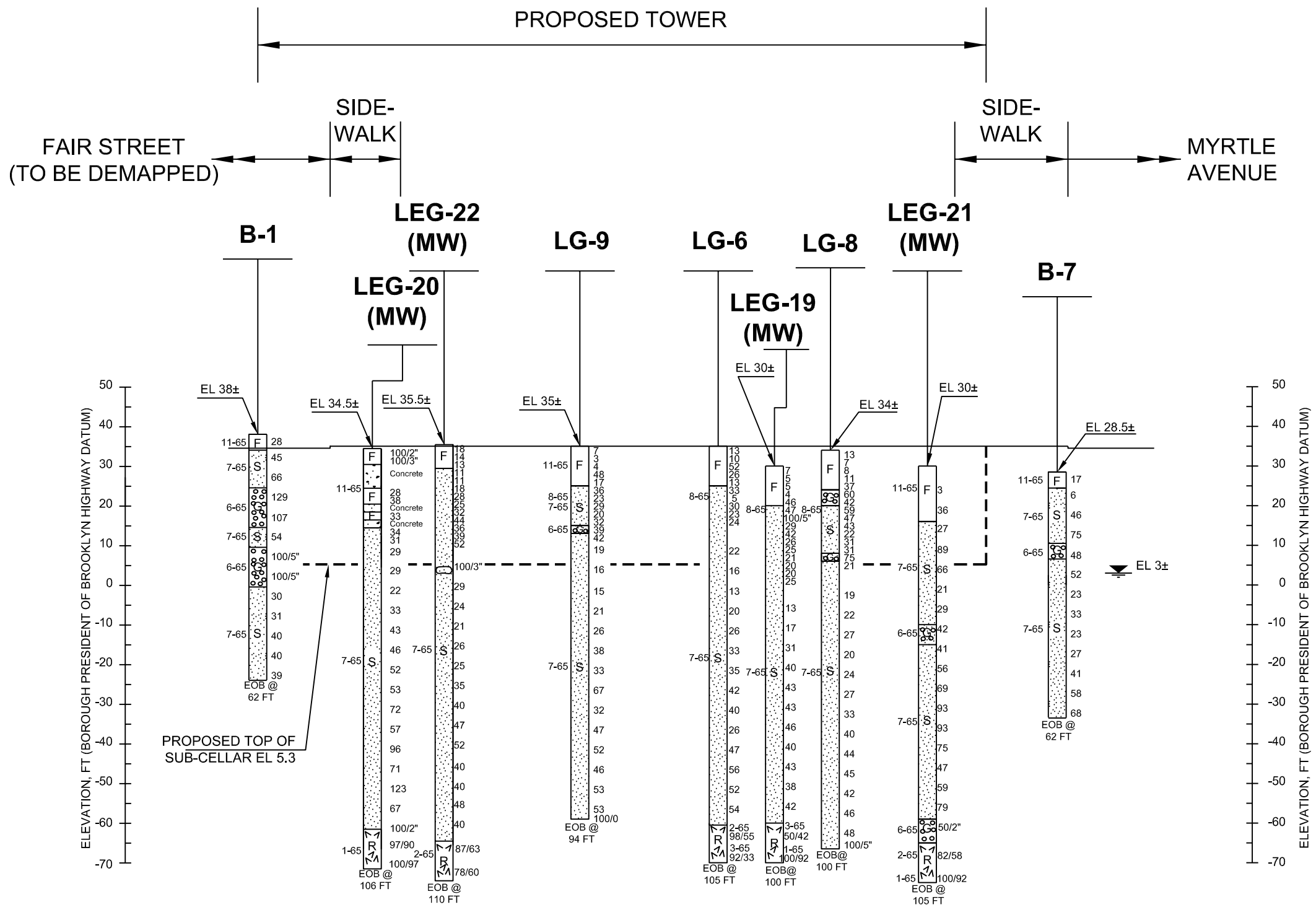

SECTION B-B

FACING WEST

LEGEND:

- SAND
- GRAVEL
- BOULDER/ OBSTRUCTION
- SILT
- CLAY
- DECOMPOSED/ WEATHERED ROCK
- UNCONTROLLED FILL
- BUILDING LIMITS
- GROUND SURFACE
- ORGANIC PEAT
- ORGANIC SILT
- ROCK

B(OW)
EL
N
X-65

B BORING IDENTIFICATION
EL GROUNDSURFACE ELEVATION AT TIME OF BORING
N STANDARD PENETRATION RESISTANCE
X-65 NEW YORK CITY BUILDING CODE CLASSIFICATION
(OW) GROUNDWATER OBSERVATION WELL
MEASURED GROUNDWATER LEVEL

GENERAL NOTES:

1. SURVEY BASE PLAN PREPARED BY GERALD T. O'BUCKLEY PROFESSIONAL LAND SURVEYORS, DATED 11 MAY 2006, 1ST REVISION DATED 22 MAY 2006 AND 2ND REVISION DATED 22 JUNE 2006.
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4. LANGAN BORINGS (LEG- AND LG-) WERE PERFORMED BY CRAIG TEST BORING CO., INC OF MAYS LANDING, NEW JERSEY, BETWEEN MARCH, APRIL AND SEPTEMBER 2007 UNDER THE FULL-TIME INSPECTION OF LANGAN ENGINEERS.
5. URS BORINGS (B-) WERE PERFORMED IN SEPTEMBER 2005.
6. ALL BORING LOCATIONS SHOWN ARE BASED ON MEASUREMENTS FROM EXISTING SITE FEATURES. ALL LOCATIONS SHALL BE CONSIDERED APPROXIMATE.

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86 FLEET PLACE

SUBSURFACE PROFILE B-B

BROOKLYN NEW YORK

Project No.	Date	Scale	Fig. No.
5762901	01/18/2008	1"=30'	6

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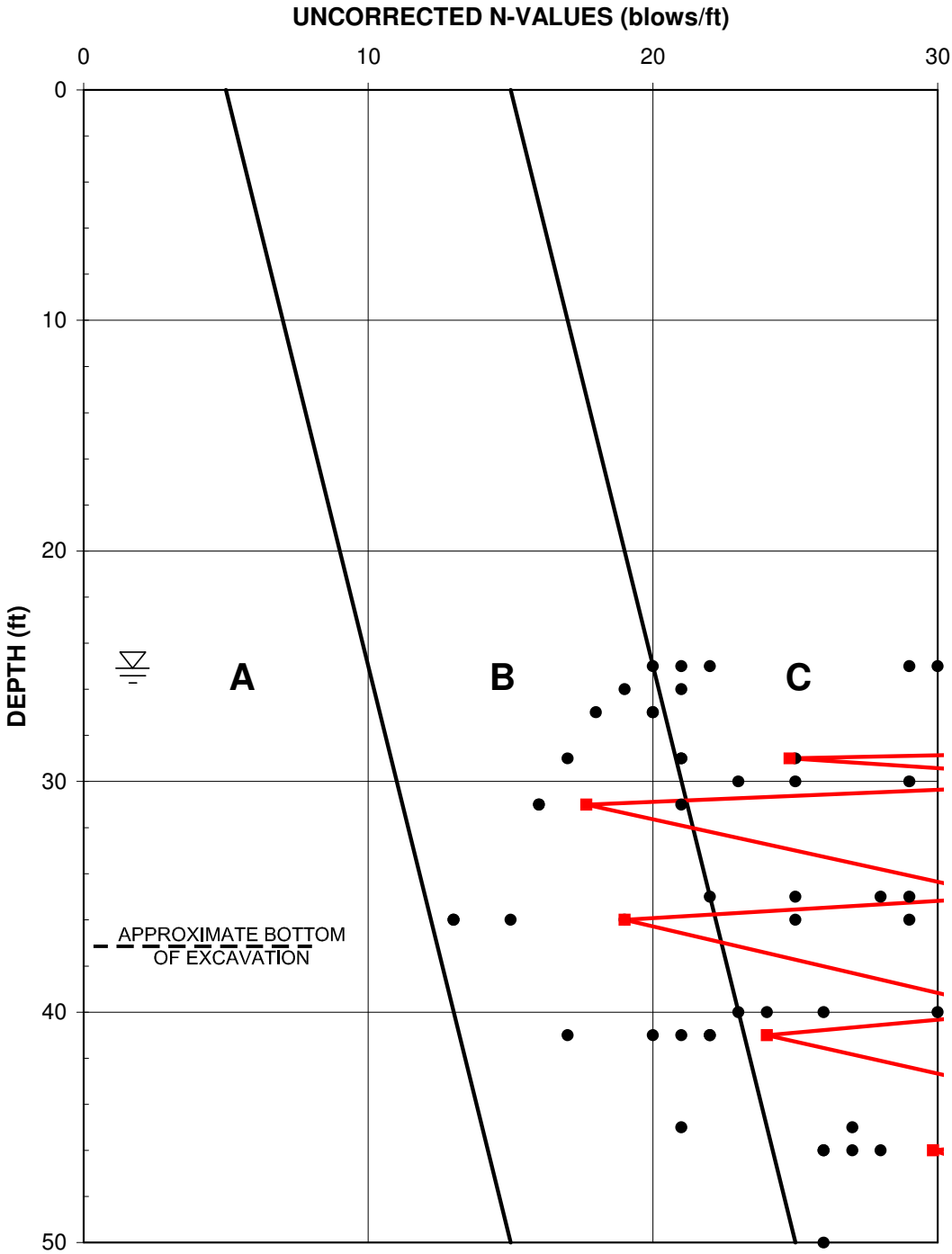

CATEGORY A: Probable Liquefaction
CATEGORY B: Possible Liquefaction
CATEGORY C: Liquefaction Unlikely

* N is the uncorrected value directly from the boring data; average N-values greater than 30 are projected as 30
SOURCE: NYC Building Code Reference Standard RS 9-6 aded by Local Law 17/1995, effective 2/21/1996

LEGEND: ● N Value ■ Average Line

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86 FLEET PLACE

NYC BUILDING CODE LIQUFACTION ASSESSMENT CHART

BROOKLYN NEW YORK

Project No.	Date	Scale	Dwg. No.
5762901	01/18/2008	N.T.S.	7

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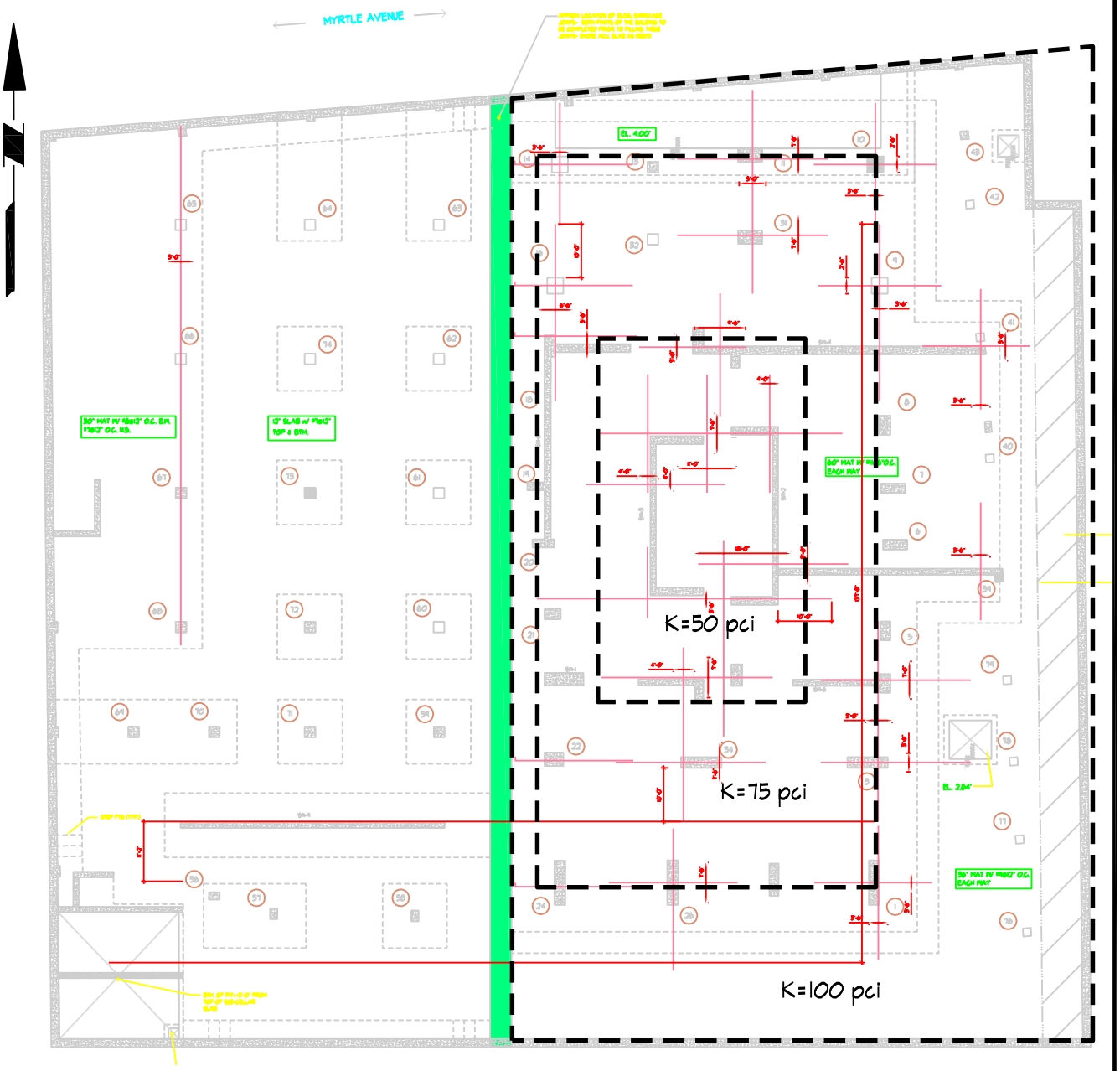
ename: U:\Data9\5762901\Cadd Data - 5762900\Dwg\Geotech Report (tower)\5762901 - NYCBC Liquefaction (tower).dwg Date: 2/12/2008 Time: 18:14 User: jau Style Table: Langan.stb Layout: NYCBC



GENERAL NOTES:

1. FOUNDATION BASED PLAN "TOWER SUBCELLAR FOUNDATION BOTTOM REINFORCEMENT PLAN", DWG NO. S-101B, DATED 7/10/07, REVISED 1/14/08, PREPARED BY GOLDSTEIN ASSOCIATES CONSULTING ENGINEERS.
2. BOUNDARIES OF DIFFERENT SUBGRADE REACTION K-VALUES SHOULD BE CONSIDERED APPROXIMATE.

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86 FLEET PLACE

PRELIMINARY MODULII OF SUBGRADE REACTION

BROOKLYN NEW YORK

Project No.	Date	Scale	Dwg. No.
5762901	01/18/2008	1"=30'	8

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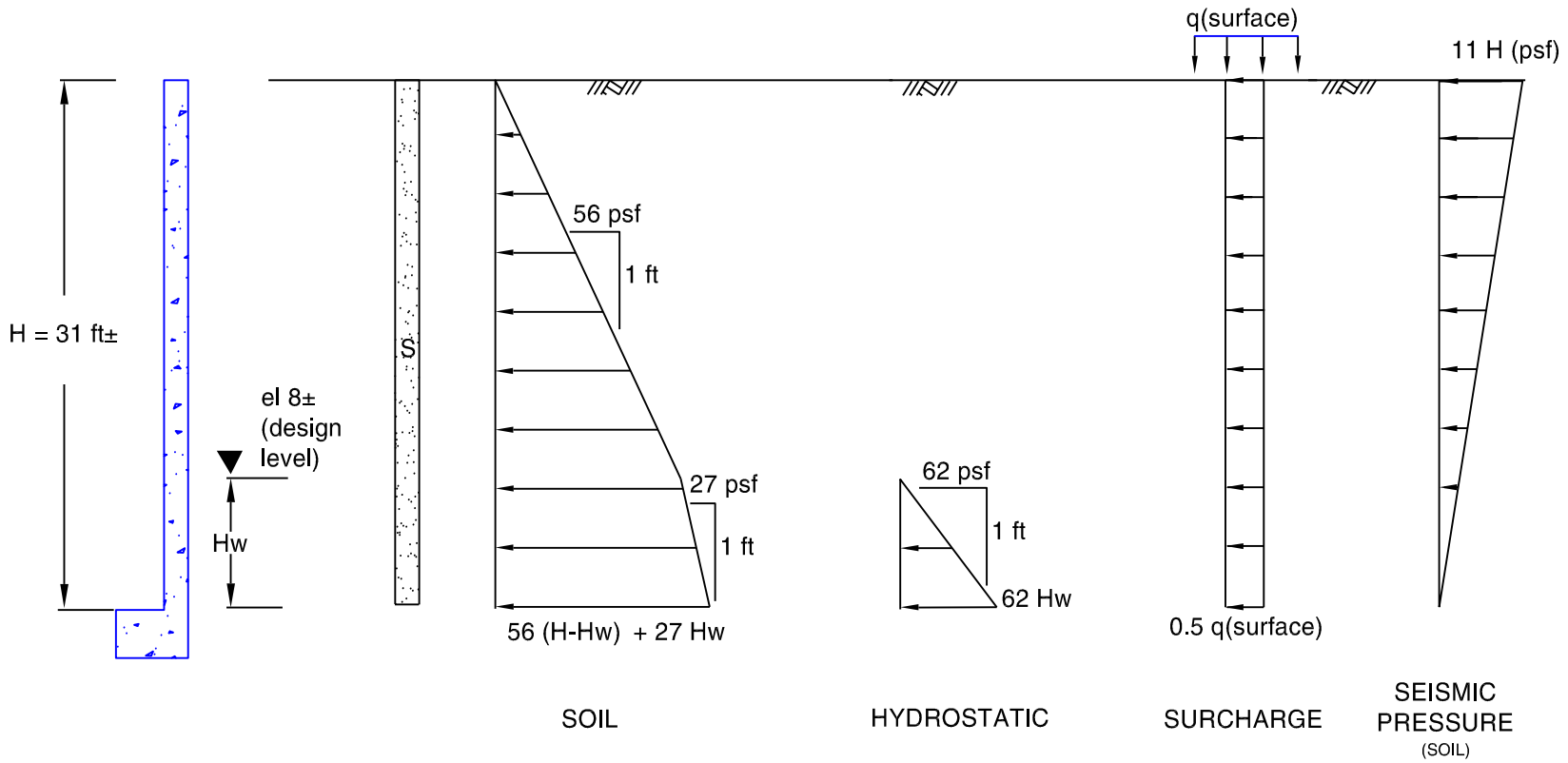

NOTES:
1. DIAGRAMS SHOWN ARE A SIMPLIFIED YET CONSERVATIVE REPRESENTATIVE OF VARIOUS LATERAL LOADS FOR USE IN DESIGN OF THE PERIMETER FOUNDATION WALLS AND FLOOR.
2. H = HEIGHT OF FOUNDATION WALL; Hw= HEIGHT OF GROUNDWATER OUTSIDE FOUNDATION WALL
3. DESIGN WATER LEVEL IS 5 FT ABOVE ACTUAL MEASURED WATER LEVEL.
4. BASED ON AVAILABLE ADJACENT BFC TOWER DRAWINGS AND CONVERSATIONS WITH GACE, LATERAL PRESSURE ON PROPOSED FOUNDATION FROM THE BFC TOWER CAN BE NEGLECTED.

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166-218 Myrtle Avenue
LATERAL EARTH PRESSURES
86 FLEET PLACE TOWER
BROOKLYN NEW YORK

PROJ. NO:	SCALE	DATE	FIG.
5762901	NTS	01/18/08	9

APPENDIX A

Project: Myrtle- Flatbush Development Project Location: Brooklyn, NY Project Number: 19684750	**Log of Boring B-1** Sheet 1 of 2

Date(s) Drilled	6/29/05 - 7/5/05	Logged By	M. Chowdhury	Approximate Surface Elevation (feet)	38.0
Drilling Method	Rotary Mud	Drilling Contractor	Aquifer Drilling & Testing	Coordinates	North: East:
Casing Size/Type	4" Dia. Steel	Drill Rig Operator	David Carter	Total Depth Drilled (feet) 62.0	Rock Depth (feet) n/a
Drill Rig Type	CME-75	Drill Bit Size/Type	3 7/8" Tricone	Sampler Type(s)	2" O.D. Split Spoon
Groundwater Level and Date Measured	30 7/12/05	Hammer Wt/Drop 140lb automatic	Casing Hammer Wt/Drop 140lb automatic	Core Barrel Size/Type	n/a
Boring Location and Comments	See Plan			No. of Samples	Dist.: 13 Undist.: 0 Core (ft): 0

Depth, feet	Soil Samples Type, Number	Recov. (ft)	Pen. Resist. (blows/6 in)	Rock Coring Run Number	Recov. (%)	RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont. (%)	% Fines	REMARKS/ OTHER TESTS
0	S-1	0.9	6 14 14 9					(SP) brown c-f SAND, trace gravel. (FILL) (11-65)					
5	S-2	1.0	6 22 23 29					(SP-SM) brown c-f SAND, trace gravel. (7-65)					
10	S-3	0.5	29 33 33 36					(SP-SM) brown c-f SAND, trace gravel, trace silt. (7-65)					Rig chatters from 13' to 15', probable cobbles or small boulder.
15	S-4	0.7	65 63 86 88					(GP) brown m-f sandy GRAVEL, trace clay. (6-65)					
20	S-5	0.9	36 54 56 46					(GP) brown m-f sandy GRAVEL, trace c. sand, trace silt. (6-65)					
25	S-6	1.0	14 21 33 32					(SP-SM) brown c-f SAND, trace gravel, trace silt. (7-65)					Rig chatters from 27' to 29', probable cobbles or small boulder.
30													

Project: Myrtle- Flatbush Development
Project Location: Brooklyn, NY
Project Number: 19684750

Log of Boring B-1

Depth, feet	Soil Samples: Type, Number	Soil Samples: Recov. (ft)	Soil Samples: Pen. Resist (blows/6 in)	Rock Coring: Run Number	Rock Coring: Recov. (%)	Rock Coring: RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont. (%)	% Fines	REMARKS/ OTHER TESTS
30	S-7	0.5	29 74 100/5"					(GP) light brown to greenish gray c-f sandy GRAVEL, trace silt (6-65)					
35	S-8	0.4	23 72 100/5"					Same as above.					
40	S-9	0.9	11 14 16 17					(SP-SM) brown, c-f SAND, trace silt. (7-65)					
45	S-10	1.3	10 15 18 19					Same as above.					
50	S-11	1.5	17 19 21 20					Same as above.					
55	S-12	1.3	15 20 20 21					Same as above.					
60	S-13	1.8	16 19 20 24					Same as above.					
65								Bottom of boring @ 62' BGS.					Upon completion, instated a 20 ft groundwater observation well

Project: Myrtle- Flatbush Development Project Location: Brooklyn, NY Project Number: 19684750	**Log of Boring B-3** Sheet 1 of 2

Date(s) Drilled	7/22/05 - 7/22/05	Logged By	M. Chowdhury	Approximate Surface Elevation (feet)	31.0
Drilling Method	Rotary Mud	Drilling Contractor	Aquifer Drilling & Testing	Coordinates	North: East:
Casing Size/Type	4" Dia. Steel	Drill Rig Operator	David Carter	Total Depth Drilled (feet) 62.0	Rock Depth (feet) n/a
Drill Rig Type	CME-75	Drill Bit Size/Type	3 7/8" Tricone	Sampler Type(s)	2" O.D. Split Spoon
Groundwater Level and Date Measured	n/a	Hammer Wt/Drop 140lb automatic	Casing Hammer Wt/Drop 140lb automatic	Core Barrel Size/Type	n/a
Boring Location and Comments	See Plan			No. of Samples	Dist.: 13 Undist.: 0 Core (ft): 0

Depth, feet	Soil Samples Type, Number	Recov. (ft)	Pen. Resist (blows/6 in)	Rock Coring Run Number	Recov. (%)	RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont. (%)	% Fines	REMARKS/ OTHER TESTS
0	S-1	1.0	5 8 9 11					(SM) brown to black silty SAND, some coal, trace brick fragments and gravel (FILL)(11-65)					
5	S-2	0.3	6 4 3 3					Same as above.					
10	S-3	0.4	8 6 8 10					(SM) brown silty f. SAND, trace gravel (8-65)					
15	S-4	1.2	11 11 12 11					(SP-SM) brown c-f SAND, trace silt (7-65)					
20	S-5	1.4	9 12 15 20					Same as above.			9	8	Rig chatters 22' to 23.5' probable gravel and cobbles
25	S-6	1.0	13 15 50 100/5"					(GP) brown, c-f sandy GRAVEL, trace silt. (6-65)					
30													

Project: Myrtle- Flatbush Development
Project Location: Brooklyn, NY
Project Number: 19684750

Log of Boring B-3

Depth, feet	Soil Samples: Type, Number	Soil Samples: Recov. (ft)	Soil Samples: Pen. Resist (blows/6 in)	Rock Coring: Run Number	Rock Coring: Recov. (%)	Rock Coring: RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont. (%)	% Fines	REMARKS/ OTHER TESTS
30	S-7	1.2	11 9 8 10					(SP-SM) brown c-f SAND, trace silt, (7-65)					
35	S-8	1.9	13 14 16 16					Same as above.					
40	S-9	1.5	11 17 22 24					(SP-SM) brown m-f SAND, trace silt,(7-65)					
45	S-10	1.9	17 19 20 25					Same as above.					
50	S-11	1.7	15 16 18 21					Same as above.					
55	S-12	1.8	16 20 23 27					Same as above.					
60	S-13	1.6	19 23 28 30					Same as above.					
65								Bottom of boring @ 62 BGS.					

Project: Myrtle-Flatbush Development Project Location: Brooklyn, NY Project Number: 19684750	**Log of Boring B-4** Sheet 1 of 4

Date(s) Drilled	7/20/05 - 7/21/05	Logged By	M. Chowdhury	Approximate Surface Elevation (est)	31.0
Drilling Method	Rotary Mud	Drilling Contractor	Aquifer Drilling & Testing	Coordinates	North: East:
Casing Size/Type	4" Dia. Steel	Drill Rig Operator	David Carter	Total Depth Drilled (feet) 101.0	Rock Depth (feet) n/a
Drill Rig Type	CME-75	Drill Bit Size/Type	3 7/8" Tricone	Sampler Type(s)	2" O.D. Split Spoon
Groundwater Level and Date Measured	n/a	Hammer W/Drop 140lb automatic	Casing Hammer W/Drop 140lb automatic	Core Barrel Size/Type	n/a
Boring Location and Comments	See Plan			No. of Samples Dist.: 21 Undist.: 0 Core (ft): 0	

Depth, feet	Soil Samples Type, Number	Recov. (ft)	Pen. Resist (blows/6 in)	Rock Coring Run Number	Recov. (%)	RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont. (%)	% Fines	REMARKS/ OTHER TESTS
0	S-1	1.2	6 6 5 6					(SM) brown silty SAND, brick fragments and gravel (FILL)(11-65)					
5	S-2	1.0	5 4 3 4					Same as above.					
10	S-3	0.4	15 18 18 19					(SP-SM) brown m-f SAND, trace silt (7-65)					
15	S-4	1.2	11 14 17 22					(SP-SM) brown m-f SAND, some gravel, trace silt. (7-65)					
20	S-5	1.5	12 14 18 24					(SP-SM) brown m-f SAND, some silt.(7-65)					
25	S-6	1.2	14 15 15 19					(SP-SM) brown m-f SAND, trace silt.(7-65)					
30													

Project: Myrtle- Flatbush Development
Project Location: Brooklyn, NY
Project Number: 19684750

Log of Boring B-4

Depth, feet	Soil Samples: Type, Number	Soil Samples: Recov. (ft)	Soil Samples: Pen. Resist (blows/6 in)	Rock Coring: Run Number	Rock Coring: Recov. (%)	Rock Coring: RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont. (%)	% Fines	REMARKS/ OTHER TESTS
30	S-7	1.0	14 16 15 17										
35	S-8	1.5	15 16 19 19					(SP-SM) brown c-f SAND, some gravel, trace silt (7-65)					
40	S-9	1.6	16 19 21 24					(SP-SM) brown c-f SAND, trace silt. (7-65)					
45	S-10	1.8	21 23 24 28					Same as above.					
50	S-11	1.7	15 17 26 27					Same as above.					
55	S-12	1.9	18 20 21 27					Same as above.					
60	S-13	1.8	17 19 23 27					Same as above.					
65													

Project: Myrtle-Flatbush Development
Project Location: Brooklyn, NY
Project Number: 19684750

Log of Boring B-4

Depth, feet	Soil Samples: Type, Number	Soil Samples: Recov. (ft)	Soil Samples: Pen. Resist. (blows/6 in)	Rock Coring: Run Number	Rock Coring: Recov. (%)	Rock Coring: RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont. (%)	% Fines	REMARKS/ OTHER TESTS
65	S-14	1.8	21, 24, 26, 27					Same as above.					
70	S-15	2.0	26, 30, 33, 38					Same as above.					
75	S-16	1.9	21, 34, 31, 44					Same as above.					
80	S-17	1.8	21, 32, 32, 35					Same as above.					
85	S-18	1.7	30, 25, 32, 34					Same as above.					
90	S-19	2.0	25, 31, 32, 31					Same as above.					
95	S-20	2.0	25, 23, 23, 33					(CL) dark gray low plasticity CLAY, trace silt (9-65)	44	19	23		
100													

Template: GENERAL URS LOGO Proj ID: 19684750(FLATBUSH AVE).GPJ

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Project: Myrtle- Flatbush Development
Project Location: Brooklyn, NY
Project Number: 19684750

Log of Boring B-4

Depth, feet	Soil Samples: Type, Number	Soil Samples: Recov. (ft)	Soil Samples: Pen. Resist (blows/6 in)	Rock Coring: Run Number	Rock Coring: Recov. (%)	Rock Coring: RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont. (%)	% Fines	REMARKS/ OTHER TESTS
	S21	0.5	98 500+					GNEISS: Decomposed rock, greenish gray, m-f grained, highly broken (5-6')					
								Bottom of boring @101' BGS.					
105													
110													
115													
120													
125													
130													
135													

Project: Myrtle- Flatbush Development Project Location: Brooklyn, NY Project Number: 19684750	**Log of Boring B-5** Sheet 1 of 2

Date(s) Drilled	7/12/05 - 7/13/05	Logged By	M. Chowdhury	Approximate Surface Elevation (feet)	33.0
Drilling Method	Rotary Mud	Drilling Contractor	Aquifer Drilling & Testing	Coordinates	North: East:
Casing Size/Type	4" Dia. Steel	Drill Rig Operator	David Carter	Total Depth Drilled (feet) 62.0	Rock Depth (feet) n/a
Drill Rig Type	CME-75	Drill Bit Size/Type	3 7/8" Tricone	Sampler Type(s)	2" O.D. Split Spoon
Groundwater Level and Date Measured	n/a	Hammer Wt/Drop 140lb automatic	Casing Hammer Wt/Drop 140lb automatic	Core Barrel Size/Type	n/a
Boring Location and Comments	See Plan			No. of Samples	Dist.: 13 Undist.: 0 Core (ft): 0

Depth, feet	Soil Samples Type, Number	Recov. (ft)	Pen. Resist (blows/6 in)	Rock Coring Run Number	Recov. (%)	RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont. (%)	% Fines	REMARKS/ OTHER TESTS
0	S-1	1.0	5 7 13 10					(SM) brown silty c-f SAND, Some gravel. (FILL) (11-65)					
5	S-2	0.5	30 21 22 23					(SM) brown silty f. SAND, Some gravel, trace clay. (8-65)					Rig chatters from 8'-9.5', probable gravel cobbles
10	S-3	0.7	13 30 53 50/2"					Same as above.					Rig chatters from 12'-14', probable cobbles or small boulder.
15	S-4	1.2	17 18 21 26					(SP-SM) brown m-f SAND, trace gravel, trace c. sand. (7-65)					
20	S-5	1.0	26 28 28 28					(GP) brown c-f sandy Gravel, trace silt. (6-65)					
25	S-6	1.0	17 26 30 49					Same as above.					
30													

Project: Myrtle- Flatbush Development
Project Location: Brooklyn, NY
Project Number: 19684750

Log of Boring B-5

Depth, feet	Soil Samples: Type, Number	Soil Samples: Recov. (ft)	Soil Samples: Pen. Resist. (blows/6 in)	Rock Coring: Run Number	Rock Coring: Recov. (%)	Rock Coring: RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont. (%)	% Fines	REMARKS/ OTHER TESTS
30	S-7	0.9	24 34 57 48					(SP-SM) brown c-f SAND, some gravel, trace silt (7-65)					
35	S-8	1.5	11 13 15 17					(SP-SM) brown c-f SAND, trace silt (7-65)					
40	S-9	1.7	10 14 15 16					Same as above.					
45	S-10	1.7	11 17 20 21					Same as above.					
50	S-11	1.5	12 15 18 20					Same as above.					
55	S-12	1.5	12 16 17 19					Same as above.					
60	S-13	1.3	15 19 22 24					Same as above.					
								Bottom of boring @ 62' BGS.					
65													

Project: Myrtle- Flatbush Development Project Location: Brooklyn, NY Project Number: 19684750	**Log of Boring B-6** Sheet 1 of 2

Date(s) Drilled	7/25/05 - 7/25/05	Logged By	M. Chowdhury	Approximate Surface Elevation (feet)	36.40
Drilling Method	Rotary Mud	Drilling Contractor	Aquifer Drilling & Testing	Coordinates	North: East:
Casing Size/Type	4" Dia. Steel	Drill Rig Operator	David Carter	Total Depth Drilled (feet) 62.0	Rock Depth (feet) n/a
Drill Rig Type	CME-75	Drill Bit Size/Type	3 7/8" Tricone	Sampler Type(s)	2" O.D. Split Spoon
Groundwater Level and Date Measured	n/a	Hammer Wt/Drop 140lb automatic	Casing Hammer Wt/Drop 140lb automatic	Core Barrel Size/Type	n/a
Boring Location and Comments	See Plan			No. of Samples	Dist.: 13 Undist.: 0 Core (ft): 0

Depth, feet	Soil Samples: Type, Number	Recov. (ft)	Pen. Resist. (blows/6 in)	Rock Coring: Run Number	Recov. (%)	RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont. (%)	% Fines	REMARKS/ OTHER TESTS
0	S-1	1.2	3 4 4 5					(SP) gray to red SAND, brick chips, gravel.(FILL)(11-65)					
5	S-2	0.9	8 21 18 38					Same as above.					
10	S-3	1.7	28 36 28 34					(SM) brown silty f. SAND, some gravel.(8-65)					
15	S-4	1.5	21 21 16 16					(SP-SM) brown m-f SAND, some silt.(7-65)					
20	S-5	1.6	16 19 18 20					(SP-SM) brown m-f SAND, trace silt, trace gravel.(7-65)					
25	S-6	1.0	48 47 39 35					(GP) red to brown sandy GRAVEL, trace silt.(6-65)					
30													

Project: Myrtle- Flatbush Development
Project Location: Brooklyn, NY
Project Number: 19684750

Log of Boring B-6

Sheet 2 of 2

Depth, feet	Soil Samples: Type Number	Soil Samples: Recov. (ft)	Soil Samples: Pen. Res. (blows/6 in)	Rock Coring: Run Number	Rock Coring: Recov. (%)	Rock Coring: RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont. (%)	% Fines	REMARKS/ OTHER TESTS
30	S-7	1.2	20 23 24 25					Same as above.					
35	S-8	0.9	18 16 15 17					(SP-SM) brown, of SAND, trace silt (7-65)					
40	S-9	1.3	16 17 17 20					Same as above.					
45	S-10	1.6	15 16 20 26					Same as above.					
50	S-11	1.4	15 19 19 25					Same as above.					
55	S-12	1.7	18 18 19 20					Same as above.					
60	S-13	1.8	16 20 24 23					Same as above.					
								Bottom of boring @ 62 BGS.					
65													

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Project: Myrtle- Flatbush Development
Project Location: Brooklyn, NY
Project Number: 19684750

Log of Boring B-7

Sheet 1 of 2

Date(s) Drilled	7/14/05 - 7/15/05	Logged By	M. Chowdhury	Approximate Surface Elevation (feet)	28.50
Drilling Method	Rotary Mud	Drilling Contractor	Aquifer Drilling & Testing	Coordinates	North: East:
Casing Size/Type	4" Dia. Steel	Drill Rig Operator	David Carter	Total Depth Drilled (feet) 62.0	Rock Depth (feet) n/a
Drill Rig Type	CME-75	Drill Bit Size/Type	3 7/8" Tricone	Sampler Type(s)	2" O.D. Split Spoon
Groundwater Level and Date Measured	26.3 7/25/05	Hammer Wt/Drop	140lb automatic / Casing Hammer Wt/Drop 140lb automatic	Core Barrel Size/Type	n/a
Boring Location and Comments	See Plan			No. of Samples	Dist.: 13 Undist.: 0 Core (ft): 0

Depth, feet	Soil Samples: Type, Number	Recov. (ft)	Pen. Resist. (blows/6 in)	Rock Coring: Run Number	Recov. (%)	RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont. (%)	% Fines	REMARKS/ OTHER TESTS
0	S-1	1.0	4, 5, 12, 14					(SM) brown to red silty f. SAND, some brick fragments. (FILL)(11-65)					
5	S-2	1.2	2, 2, 4, 5					(SP-SM) brown c-f SAND, trace silt, trace gravel. (7-65)					
10	S-3	1.0	17, 23, 23, 29					(SM) brown silty m-f SAND, trace clay, trace gravel. (8-65)					Rig chatters from 13'-15', probable cobbles and gravel
15	S-4	0.6	23, 33, 37, 24					Same as above.					Rig chatters from 19'-20', probable cobbles and gravel
20	S-5	0.9	22, 23, 25, 28					(GP) brown sandy GRAVEL. (6-65)					
25	S-6	1.0	11, 18, 34, 40					(SP-SM) brown m-f SAND, some gravel, trace silt. (7-65)					
30													

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Template: GENERAL URS LOGO Proj ID: 19684750 (FLATBUSH AVE)GPJ

Project: Myrtle- Flatbush Development
Project Location: Brooklyn, NY
Project Number: 19684750

Log of Boring B-7

Depth, feet	Soil Samples: Type, Number	Recov. (ft)	Pen. Resist (blows/6 in)	Rock Coring: Run Number	Recov. (%)	RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont. (%)	% Fines	REMARKS/ OTHER TESTS
30	S-7	1.2	12 12 11 12					Same as above.			16	5	
													Rig chatters from 33'-35', probable cobbles and gravel
35	S-8	0.5	13 15 16 17					Same as above.					
40	S-9	1.5	9 10 13 17					(SP-SM) brown of SAND, trace silt. (7-65)					
45	S-10	1.7	11 13 14 16					Same as above.					
50	S-11	1.3	15 18 23 27					Same as above.					
55	S-12	1.5	18 28 30 31					Same as above.					
60	S-13	1.8	20 32 35 37					Same as above.					
								Bottom of boring @ 62 BGS.					Upon completion, installed a 30 ft groundwater observation well.
65													

Template: GENERAL URS LOGO Proj ID: 19684750 (FLATBUSH AVE).GPJ

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Project: Myrtle- Flatbush Development Project Location: Brooklyn, NY Project Number: 19684750	Log of Boring B-8 Sheet 1 of 2

Date(s) Drilled	7/26/05 - 7/26/05	Logged By	M. Chowdhury	Approximate Surface Elevation (feet)	33.50
Drilling Method	Rotary Mud	Drilling Contractor	Aquifer Drilling & Testing	Coordinates	North: East:
Casing Size/Type	4" Dia. Steel	Drill Rig Operator	David Carter	Total Depth Drilled (feet) 62.0	Rock Depth (feet) n/a
Drill Rig Type	CME-75	Drill Bit Size/Type	3 7/8" Tricone	Sampler Type(s)	2" O.D. Split Spoon
Groundwater Level and Date Measured	n/a	Hammer Wt/Drop 140lb automatic	Casing Hammer Wt/Drop 140lb automatic	Core Barrel Size/Type	n/a
Boring Location and Comments	See Plan			No. of Samples	Dist.: 13 Undist.: 0 Core (ft): 9

Depth, feet	Soil Samples: Type, Number	Recov. (ft)	Pen. Resist. (blows/6 in)	Rock Coring: Run Number	Recov. (%)	RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont. (%)	% Fines	REMARKS/ OTHER TESTS
0	S-1	0.8	16 24 11 7					(SM) brown silty SAND, brick fragments, trace gravel. [FILL]					
5	S-2	1.0	5 6 5 7					(SP-SM) brown m-f SAND, trace silt (7-65)					
10	S-3	0.8	11 13 11 14					(SP-SM) brown m-f SAND, some gravel, trace silt (7-65)					
15	S-4	0.6	21 24 25 23					(GP) brown, sandy GRAVEL, trace silt (6-65)					
20	S-5	1.3	11 11 11 12					(SP-SM) brown m-f SAND, trace silt (7-65)					
25	S-6	1.2	9 10 11 14					Same as above.					
30													

Project: Myrtle- Flatbush Development
Project Location: Brooklyn, NY
Project Number: 19684750

Log of Boring B-8

Depth, feet	Soil Samples: Type, Number	Soil Samples: Recov. (ft)	Soil Samples: Pen. Resist (blows/6 in)	Rock Coring: Run Number	Rock Coring: Recov. (%)	Rock Coring: RQD (%)	Graphic Log	MATERIAL DESCRIPTION	Liquid Limit	Plastic Limit	Water Cont. (%)	% Fines	REMARKS/ OTHER TESTS
30	S-7	1.8	12 12 13 14					Same as above.					
35	S-8	1.7	14 14 13 15					Same as above.					
40	S-9	1.8	12 12 14 16					Same as above.					
45	S-10	1.7	15 17 18 21					Same as above.					
50	S-11	1.7	14 17 20 24					Same as above.					
55	S-12	1.6	20 21 21 29					Same as above.					
60	S-13	1.5	20 27 34 39					Same as above.					
								Bottom of boring @ 62 BGS.					
65													

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APPENDIX B

LANGAN ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING LG-6 SHEET 1 OF 1

PROJECT 166-218 Myrtle Ave	PROJECT NO. 5762901
LOCATION Brooklyn, NY	ELEVATION AND DATUM EL 35± (BPBD)
DRILLING AGENCY Craig Test Boring	DATE STARTED 9/10/07 / DATE FINISHED 9/10/07
DRILLING EQUIPMENT CME 75	COMPLETION DEPTH 4' / ROCK DEPTH —
SIZE AND TYPE OF BIT 2 1/8 & 3 7/8" tri-cone Rollerbit	NO. SAMPLES DIST. 2 UNDIST. — CORE —
CASING 4"	WATER LEVEL FIRST — COMPL. — 24 HR. —
CASING HAMMER Safety WEIGHT 140 lb. DROP 30"	FOREMAN Paul Mullins & Nick Beehler
SAMPLER 2" OD Split Spoon	INSPECTOR A. Gatzoulis & A. Wren
SAMPLER HAMMER Safety WEIGHT 140 lb. DROP 30"	

NYC BC	SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6"	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
11-65	FILL	be SILT, so gravel, tr brick, f sand [FILL]	1	S1	SS	0"	3 4 9 4	Old Duane Reade Bldg; Old Sidewalk; 38' × 12'; ↑N
		be SILT, so gravel, tr brick, f sand [FILL]	2–3	S2	SS	0"	4 5 5 5	
		EOB @ 4ft	4					Hit possible boulder at 5' and move a few feet to the south. Rollerbit to 4' Take S1 & S2
			5–14					

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LOG OF BORING LG-6a SHEET 1 OF 1

PROJECT 166-218 Myrtle Ave	PROJECT NO. 5762901
LOCATION Brooklyn, NY	ELEVATION AND DATUM EL 35± (BPBD)
DRILLING AGENCY Craig Test Boring	DATE STARTED 9/10/07 / DATE FINISHED 9/10/07
DRILLING EQUIPMENT CME 75	COMPLETION DEPTH 8' / ROCK DEPTH —
SIZE AND TYPE OF BIT 2 1/8" & 3 7/8" tri-cone Rollerbit	NO. SAMPLES DIST. 2 UNDIST. — CORE —
CASING 4"	WATER LEVEL FIRST — COMPL. — 24 HR. —
CASING HAMMER Safety WEIGHT 140 lb. DROP 30"	FOREMAN Paul Mullins & N. Beehler
SAMPLER 2" OD Split Spoon	INSPECTOR H. Gatzoulis & A. Wren
SAMPLER HAMMER Safety WEIGHT 140 lb DROP 30"	

NYC BC	SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6"	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
11-65	FILL	FOR SOIL DESCRIPTION BETWEEN 0 AND 4ft See Boring Log LG-6	1–4					Old Duane Reade Building; Old Sidewalk; 36' × 12'; ↑N
		be sandy SILT, so gravel [FILL]	5–6	S3	SS	0"	4 12 40 14	
		be sandy SILT, so gravel [FILL]	7	S4	SS	0"	20 9 17 15	
		EOB @ 8ft	8					Hit possible boulder at 9'. Move hole a few feet to the south. Rollerbit to 8' Take S3 & S4
			9–14					

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LOG OF BORING LG-6b SHEET 1 OF 7

PROJECT 166-218 Myrtle Ave	PROJECT NO. 576290.1
LOCATION Brooklyn, NY	ELEVATION AND DATUM EL 35± (BPBD)
DRILLING AGENCY Craig Test Boring	DATE STARTED 9/10/07 / DATE FINISHED 9/12/07
DRILLING EQUIPMENT CME Boring	COMPLETION DEPTH 105 / ROCK DEPTH 95'
SIZE AND TYPE OF BIT 2 1/8" & 3 7/8" Tri-cone rollerbit	NO. SAMPLES DIST. 21 / UNDIST. / CORE 10'
CASING 4"	WATER LEVEL FIRST — / COMPL. — / 24 HR. —
CASING HAMMER Safety WEIGHT 140 lb DROP 30"	FOREMAN Paul Mullins & N. Beehler
SAMPLER 2" OD Split Spoon	INSPECTOR A. Gatzoulis and A. Wren
SAMPLER HAMMER Safety WEIGHT 140 lb DROP 30"	

NYCBC	SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6"	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
11-65	FILL	FOR SOIL DESCRIPTION BETWEEN 0 AND 8 Ft. see Boring logs LG-6 and LG-6a						Old Duane Reade Building; old sidewalk; 34'; 12'; ↑N
		br sandy SILT and GRAVEL [FILL]	1–8	S6	SS	24"	53 4 9 8	Rollerbit 8-14' Take S5-S7 Drive casing to 15'
8-65	SILTY FINE SAND	Brown silty F. SAND, so Gravel [SM]	10–11	S6	SS	14"	20 15 18 13	
		Brown silty F. SAND, so Gravel [SM]	12–13	S7	SS	24"	6 3 2 5	

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JOB NO. 576290.1
DATE 9/10/07

LOG OF BORING NO. LG-6b
SHEET 2 OF 7

NYCBC	SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6"	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
8-65	SILTY FINE SAND	Top 16" Brown Silty f. SAND, some Gravel [SM]; bottom 8" br m-f SAND, so gravel [SP]	14–16	S8	SS	24"	15 13 17 19	Rollerbit 14-20' Take S8-S10
7-65	SAND	br f-m SAND, so gravel, tr Silt [SP]	16–18	S9	SS	18"	12 8 15 12	
9-65	SILTY FINE SAND	top 5" br Silty f. SAND, so gravel [SM]; bottom 12" br f-m SAND, so gravel tr silt [SP]	18–20	S10	SS	12"	15 11 13 14	
			20–25					Rollerbit to 25' Take S11
7-65	SAND	br m-f SAND, tr gravel (wet) tr Silt [SP]	25–27	S11	SS	12"	11 9 13 12	
			27–30					Rollerbit to 30' Take 212
		br m-f SAND, tr gravel, tr Silt [SP]	30–32	S12	SS	13"	9 7 9 10	

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JOB NO. 5762901
DATE 9/10/07

LOG OF BORING NO. LG-6b

SHEET 3 OF 7

NYCBC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		32					Rollerbit to 35' Take 13
		33					
		34					
		35					
	br m-f SAND, tr gravel, tr Silt [SP]	36	S13	SS	13"	9 6 7 7	
		37					Rollerbit to 40' Take S14
		38					
		39					
F-S SAND	br f-m SAND tr gravel tr Silt [SP]	40	S14	SS	15"	10 8 12 12	
		41					
		42					
		43					Rollerbit to 45' Take S15
		44					
	br m-f SAND, tr Silt [SP]	45	S15	SS	19"	10 13 13 15	
		46					
		47					Rollerbit to 50' Take S16
		48					
		49					
		50					

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JOB NO. 5762901
DATE 9/10/07, 9/12/07

LOG OF BORING NO. LG-6b

SHEET 4 OF 7

NYCBC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	br f-m SAND, tr Silt [SP]	60	S16	SS	20"	16 15 18 19	
		61					
		62					
		63					Rollerbit to 55' Take S17
		64					
	br f-m SAND, tr gravel tr Silt [SP]	55	S17	SS	18"	16 15 20 18	
		56					
		57					
		58					Rollerbit to 60' Take S18
F-S SAND		59					
		60					
	br f-m SAND, tr Silt [SP]	61	S18	SS	20"	20 18 24 25	
		62					End day on 9/10/07 at 12:30am due to rain. Begin day on 9/12/07 at 6:30am
		63					Rollerbit to 65' Take S19
		64					
	br f-m SAND, tr Silt [SP]	65	S19	SS	10"	18 20 20 21	
		66					
		67					Rollerbit to 70' Take S20
		68					

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JOB NO. 5762901
DATE 9/12/07

LOG OF BORING NO. LG-6b

SHEET 5 OF 7

NYCBC	STRATA	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6"	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			68					
			69					
			70				17	
		be f-m SAND, tr silt [SP]	71	S20	SS	21	12 14 17	
			72					
			73					Rollerbit to 75' Take S21
			74					
			75				29	
		be f-m SAND, tr silt, gravel [SP]	76	S21	SS	11	22 25 27	
7-65	SAND		77					
			78					Rollerbit to 80' Take S22
			79					
			80				25	
		be m-f SAND, tr silt [SP]	81	S22	SS	8"	27 29 25	
			82					
			83					Rollerbit to 85' Take S23
			84					
			85	S23	SS	10"	28 25	
		be f-m SAND, tr silt [SP]	86					

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JOB NO. 5762901
DATE 9/12/07

LOG OF BORING NO. LG-6b

SHEET 6 OF 7

STRATA	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6"	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)	CORING RATE (mins/ft.)	ROCK SKETCH
		86							
		87	S23	SS	10"	27 29			
		88					Rollerbit to 90' Take S24		
		89							
		90				21			
8-65 SAND	be f-m SAND, tr silt [SP]	91	S24	SS	13	21 33			
		92				30			
		93							
	Approx. Top of Rock	94					Drilling becomes hard		
		95					Start coring at 95' at 7:45am to 8:25	7	
	gray granitic gneiss and white quartz	96						8	
2-65		97						9	
		98	C1	NX core barrel				7	
		99						9	
Rock		100			REC.: 57/60 = 98 %		RQD.: 33/60 = 55 %	6	
		101						7	
		102	C2	NX core barrel				7	
3-65		103			REC.: 55/60 = 92 %		RQD: 20/60 = 33 %	6	
		104							

C2 Coring at 8:35 - 9:05

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JOB NO. 576290/
DATE 9/12/07

LOG OF BORING NO. EB-66
SHEET 7 OF 7

		SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
3-65	Rock	Grey granitic Gneiss 4	104					
		EOB at 105'	105					EOB at 105'
			106					
			107					
			108					
			109					
			110					
			111					
			112					
			113					
			114					
			115					
			116					
			117					
			118					
			119					
			120					
			121					

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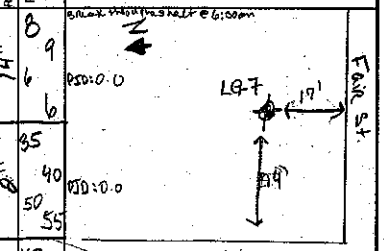
LOG OF BORING LG-7 SHEET 1 OF 2

PROJECT	166-218 Myrtle Ave	PROJECT NO.	576290/
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	EL +35 BPB (Hwy)
DRILLING AGENCY	Craig Test Drilling	DATE STARTED 9/17/07	DATE FINISHED 9/17/07
DRILLING EQUIPMENT	Gus Pech Brat 20R	COMPLETION DEPTH 18'	ROCK DEPTH
SIZE AND TYPE OF BIT	3 7/8" Tricone Rollerbit	NO. SAMPLES DIST. 6	UNDIST. 0 CORE 0
CASING	4" Steel Casing	WATER LEVEL FIRST –	COMPL. – 24 HR. –
CASING HAMMER Donut	WEIGHT 300 lbs DROP 24 in	FOREMAN	Pat & Kyle
SAMPLER	2" OD split spoon sampler	INSPECTOR	Heisa Gatzoulis
SAMPLER HAMMER Safety	WEIGHT 140 lbs DROP 30 in		

NYCBC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
11-65 FILL	brown m-f SAND, so gravel, so silt, tr brick [FILL]	1	S1	SS	14"	8 9 6 6	Break through wall @ 6:00am; PID:0.0
	brown m-f SAND, so silt, tr gravel [FILL]	2	S2	SS	8"	35 40 50 55	PID:0.0
	brown m-f SAND, so gravel, so silt [FILL]	3	S3	SS	4"	43 8 8 0	PID:0.0
	brown m-f SAND, so silt, so brick, tr gravel, tr clay [FILL]	4	S4	SS	5"	8 9 7 8	PID:0.0
	brown m-f SAND, so silt, so brick, so clay, tr gravel [FILL]	5	S5	SS	10"	6 7 5 5	PID:0.0
	brown m-f SAND, so silt, so clay, so gravel, tr brick [FILL]	6	S6	SS	6"	4 9 13 4	PID:0.0
		7					
		8					
		9					
		10					
		11					
		12					
		13					
		14					



Take S1-S6

Hard drilling Rolerbit to 14'

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JOB NO. 5762901
DATE 4/17/07

LOG OF BORING NO. LG-7
SHEET 2 OF 2

MATERIAL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
11-65 FILL		14					Drill down to 18' Attempt to install casing. Rods are bent — Stop drilling and move to another location @ 9200 am
	E.O.B. @ 18ft	15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32					

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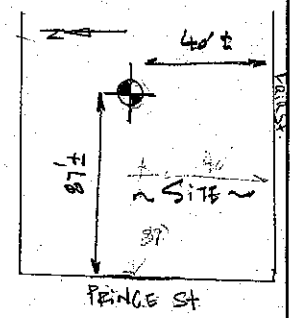
LOG OF BORING LG-7B **SHEET** 1 **OF** 6

PROJECT	166-218 Myrtle Ave	PROJECT NO.	5762901
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	EL +35 BPB (Hwy)
DRILLING AGENCY	Craig Test Boring	DATE STARTED 4/24/07	DATE FINISHED 4/24/07
DRILLING EQUIPMENT	Gus Pech Beat 22K	COMPLETION DEPTH 100'	ROCK DEPTH ~99'
SIZE AND TYPE OF BIT	3 7/8" Tricone Rollerbit	NO. SAMPLES: DIST. 22, UNDIST. —, CORE —	
CASING	4" Steel Casing	WATER LEVEL: FIRST —, COMPL. —, 24 HR. —	
CASING HAMMER Donut	WEIGHT 300lbs, DROP 24in	FOREMAN	Pat + Kyle
SAMPLER	2" OD split Spoon Sampler	INSPECTOR	Elisa Gatzoulis
SAMPLER HAMMER Safety	WEIGHT 140lbs, DROP 30in		

MATERIAL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
FILL	(FOR INFORMATION SEE LG-7)	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14					 Hit refusal at LG-7 and move over a few feet to try again.

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JOB NO. 5762901
DATE 4/24/07

LOG OF BORING NO. LG-7B
SHEET 2 OF 6

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6"	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		14					Rollerbit down to 20' and put in casing. Take S7
		15					
		16					
		17					
		18					
		19					
	brown m-f SAND, so silt, so gravel [SM]	20	S8	SS	12	25 21 18 20	
		21					
		22					Rollerbit to 25' Take S8
		23					
		24					
	brown m-f SAND and GRAVEL, so silt [SM]	25	S9	SS	10	22 44 34/4	
		26					
		27					Rollerbit to 30' Take S9
		28					
		29					
	brown m-f SAND, so silt, so m-f gravel, (wet) [SM] (wet)	30	S10	SS	21	18 18 21 24	
		31					
		32					NO PID Readings

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JOB NO. 5762901
DATE 4/24/07

LOG OF BORING NO. LG-7B
SHEET 3 OF 6

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6"	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		32					Rollerbit to 35' Take S10
		33					
		34					
	brown m-f SAND, so m-f gravel tr silt [SP]	35	S11	SS	9	15 17 15 16	
		36					
		37					
		38					Rollerbit to 40' Take S11
		39					
	brown m-f SAND, tr silt [SP]	40	S12	SS	8	18 24 15 20	
		41					
		42					Rollerbit to 45' Take S12
		43					
		44					
	brown m-f SAND, tr silt [SP]	45	S13	SS	21	16 18 21 24	
		46					
		47					Rollerbit to 50' Take S13
		48					
		49					
		50					NO PID Readings

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JOB NO. 576290.1
DATE 4/24/07

LOG OF BORING NO. LG-7B
SHEET 4 OF 6

NYCBC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	brown m-f SAND, tr silt, tr m-f gravel [SP]	50				15 18	
		51	S13	SS	2'	18 20	
		52					
		53					Rollerbit to 55' take S14
		54					
	brown m-f SAND, tr silt, tr m-f gravel (SP)	55				18 17	
		56	S14	SS	1'1"	16 17	
D-65 SAND		57					
		58					Rollerbit to 60' Take S15
		59					
	brown m-f SAND, tr silt, tr m-f gravel [SP]	60				17 25	
		61	S15	SS	2'	25 29	
		62					
		63					Rollerbit to 65' Take S16
		64					
	brown m-f SAND, tr silt [SP]	65				21 27	
		66	S16	SS	2'	27 32	
		67					
		68					NO PID Readings

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JOB NO. 576290.1
DATE 4/24/07

LOG OF BORING NO. LG-7B
SHEET 5 OF 6

NYCBC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		68					Rollerbit to 70' take S17
		69					
	brown m-f SAND, so c-f gravel, tr silt [SP]	70				24 27	
		71	S17	SS	1'1"	28 30	
		72					
		73					Rollerbit to 75' take S18
		74					
	brown m-f SAND, so c-f gravel, tr silt [SP]	75				24 30	
		76	S18	SS	1'1"	32 34	
D-65 SAND		77					
		78					Rollerbit to 80' take S19
		79					
	brown m-f SAND, so c-f gravel, tr silt [SP]	80				35 47	
		81	S19	SS	2'11"	50 58	
		82					
		83					Rollerbit to 85' take S20
		84					
	brown m-f SAND, so c-f gravel, tr silt [SP]	85				22 28	
		86	S20	SS	2'0"		

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LANGAN ENGINEERING & ENVIRONMENTAL SERVICES

JOB NO. 5762901
DATE 4/24/07

LOG OF BORING NO. LG-7B
SHEET 6 OF 6

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		86					
		87	S20	SS	20"	2 / 58	
		88					Rollerbit to 80' Take S21
		89					
		90				23 / 24	
	brown m-f SAND, tr silt [SP]	91	S21	SS	18"	32	
		92				45	Rollerbit to 95' Take S22
9-65 SAND		93					
		94					
		95				32	
	brown m-f SAND, so silt, tr m-f gravel [SM]	96	S22	SS	18"	34 / 37	
		97				40	
		98					Rollerbit to 100' Rollerbit refusal at 99'
	POSSIBLE TOP OF ROCK	99					
		100					EOB at 100'
	EOB @ 100 FT	101					
		102					
		103					
		104					No GW Readings

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LOG OF BORING LG-8 **SHEET** 1 **OF** 6

PROJECT	5762901	PROJECT NO.	5762901
LOCATION	166-218 Myrtle Ave	ELEVATION AND DATUM	EL 34± (BPBD)
DRILLING AGENCY	Craig Test	DATE STARTED	9/17/07
DRILLING EQUIPMENT	CME 75	DATE FINISHED	9/18/07
SIZE AND TYPE OF BIT	2 1/8" & 3 7/8" tri-cone rollerbit	COMPLETION DEPTH	100'
CASING	4"	ROCK DEPTH	100'
CASING HAMMER	Safety; WEIGHT 140 lb; DROP 30"	NO. SAMPLES	DIST. 29; UNDIST. —; CORE —
SAMPLER	2" OD split spoon	WATER LEVEL	FIRST —; COMPL —; 24 HR. —
SAMPLER HAMMER	Safety; WEIGHT 140 lb; DROP 30"	FOREMAN	P. Mullins and N. Beehler
		INSPECTOR	A. Gatzoulis

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	CONCRETE, so silt, tr gravel, f sand [FILL]	1	S1	SS	9.5"	18 / 7 / 6 / 5	Old Duane Reade Building ↑N
	br SILT, so gravel, brick, tr f sand [FILL]	2	S2	SS	12"	7 / 3 / 4 / 5	50' × 7'
		3					Sidewalk
11-65 FILL	br sandy SILT, so gravel [FILL]	4	S3	SS	8"	7 / 6 / 2 / 3	Rollerbit to 14' Take S1-S7
	br m-f SAND, so silt, tr gravel [FILL]	5	S4	SS	18"	3 / 3 / 8 / 7	
	br sandy SILT, so gravel, tr brick [FILL]	6	S5	SS	25"	15 / 14 / 25 / 17	
6-65 GRAVEL	GRAVEL, to silt, tr f sand [GP]	7	S6	SS	32"	44 / 28 / 32 / 19	
	GRAVEL, to silt, tr f sand [GP]	8	S7	SS	27"	8 / 15 / 27 / 21	
		9					
		10					
		11					
		12					
		13					
		14					

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JOB NO. 5762901
DATE 9/17/07

LOG OF BORING NO. LG-8
SHEET 2 OF 6

USCS Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
SILTY F. SAND (8-65)	br silty f. SAND, some Gravel [SM]	14–15	S8	SS	24"	49, 32, 27, 31	Casing to 15' Rollerbit to 30' Take S8-S15
SILTY F. SAND (8-65)	br silty f SAND, some Gravel [SM]	15–17	S9	SS	20"	26, 24, 23, 24	
SILTY F. SAND (8-65)	br silty f. SAND, some Gravel [SM]	17–20	S10	SS	23"	16, 21, 22, 17	
SAND (7-65)	br m-f SAND, so gravel, tr silt [SP]	20–22	S11	SS	12"	11, 10, 12, 11	
SAND (7-65)	br m-f SAND, so silt, tr gravel [SM]	22–24	S12	SS	12"	12, 15, 16, 13	
SAND (7-65)	br m-f SAND, so gravel, so silt [SM]	24–26	S13	SS	10"	10, 14, 17, 19	
GRAVEL (6-65)	GRAVEL, so m-f sand, tr silt [GP]	26–28	S14	SS	12"	13, 26, 49, 45	
SAND (7-65)	br m-f SAND, so silt, gravel (wet) [SM]	28–30	S15	SS	10"	14, 10, 11, 10	Rollerbit to 35' Take S16
		30–32					

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JOB NO. 5762901
DATE 9/17/07

LOG OF BORING NO. LG-8
SHEET 3 OF 6

USCS Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		32–35					
	br-c f SAND, so silt, tr gravel (wet) [SM]	35–37	S16	SS	10"	13, 9, 10, 11	
		37–40					Rollerbit to 40' Take S17
SAND (7-65)	br m-f SAND, tr silt [SP]	40–42	S17	SS	12"	14, 10, 12, 13	
		42–45					Rollerbit to 45' Take S18
	br f-m SAND, tr silt (wet) [SP]	45–47	S18	SS	13"	15, 13, 14, 15	End day on 9/17/07 at 1:30pm Begin day on 9/18/07 at 6:30am
		47–50					Rollerbit to 50' Take S19

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JOB NO. 5762901
DATE 9/18/07

LOG OF BORING NO. LG-8

SHEET 4 OF 6

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLWS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	br f-m SAND, tr silt, gravel (wet) [SP]	50					
		51	S19	SS	13"	8 9 11 9	
		52					
		53					Rollerbit to 55' Take S20
		54					
	br m-f SAND, tr silt (wet) [SP]	55					
		56	S20	SS	5"	14 11 13 11	
		57					
7-65 SAND		58					Rollerbit to 60' Take S21
		59					
		60					
	br m-f SAND, tr silt (wet) [SP]	61	S21	SS	13"	11 13 14 15	
		62					
		63					Rollerbit to 65' Take S22
		64					
		65					
	br m-f SAND, tr silt (wet) [SP]	66	S22	SS	20	15 15 18 17	
		67					
		68					

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JOB NO. 5762901
DATE 9/18/07

LOG OF BORING NO. LG-8

SHEET 5 OF 6

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLWS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		68					Rollerbit to 70' Take S23
		69					
		70					
	br f-m SAND, tr silt (wet) [SP]	71	S23	SS	20"	20 19 21 19	
		72					
		73					Rollerbit to 75' Take S24
		74					
		75					
7-65 SAND	br f-m SAND, tr silt (wet) [SP]	76	S24	SS	19"	20 23 21 23	
		77					
		78					Rollerbit to 80' Take S25
		79					
		80					
	br m-f SAND, tr silt, gravel (wet) [SP]	81	S25	SS	20"	19 18 27 23	
		82					
		83					Rollerbit to 85' Take S26
		84					
	br f-m SAND, tr silt (wet) [SP]	85					
		86	S26	SS	19"	24 19	

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JOB NO. 5762901
DATE 9/18/07

LOG OF BORING NO. LG-8
SHEET 6 OF 6

NYC BC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLOW	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		86	S26	SS	19"	23 25	
		87					
		88					Rollerbit to 90' Take S27
		89					
		90					
	be m-f SAND, tr silt (wet) [SP]	91	S27	SS	20"	21 20 26 24	
		92					Rollerbit to 95' Take S28
7-65 SAND		93					
		94					
	be m-f SAND, tr Silt [SP]	95					
		96	S28	SS	18"	19 23 25 24	
		97					Rollerbit to 99' Take S29
		98					
	Possible top of Rock.	99					
	EOB @ 99.5	100	S29	SS	0"	100/5	
		101					
		102					
		103					
		104					

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LOG OF BORING LG-9 SHEET 1 OF 6

PROJECT	166-218 MYRTLE AVE
PROJECT NO.	5762901
LOCATION	BROOKLYN, NY
ELEVATION AND DATUM	EL 35± (BPBD)
DRILLING AGENCY	CRAIG TEST BORING
DATE STARTED	9/7/07
DATE FINISHED	9/10/07
DRILLING EQUIPMENT	CME 75
COMPLETION DEPTH	99.5'
ROCK DEPTH	99.4' ±
SIZE AND TYPE OF BIT	2 1/8" + 3 7/8" tri-cone Rollerbit
NO. SAMPLES	DIST. 26 UNDIST. — CORE —
CASING	4"
WATER LEVEL	FIRST — COMPL. — 24 HR. —
CASING HAMMER	Safety WEIGHT 140 lb DROP 30"
FOREMAN	P. Mullins & N. Beehler
SAMPLER	2" Split Spoon
INSPECTOR	N. GATZOULIS & A. WREN
SAMPLER HAMMER	Safety WEIGHT 140 lb DROP 30"

NYC BC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLOW	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	brown SILT, so m-f sand gravel [FILL]	1	S1	SS	6"	5 5 2 2	Old Duane Reade Bldg. 57.5' TN
	brown SILT, so m-f Sand, gravel [FILL]	2	S2	SS	5.5"	1 2 1 1	
	brown SILT, so m-f sand, gravel [FILL]	3					
		4	S3	SS	6"	2 2 2 2	
11-65 FILL	gray CONCRETE, so silty sand gravel and pieces of wood [FILL]	5					
		6					Rollerbit to 14' Take S1-S7 Drive Casing to 15'
	brown SILT, so gravel, so concrete, and pieces of wood [FILL]	7	S4	SS	12"	9 12 30 2	
		8					
		9	S5	SS	9"	7 9 8 15	
		10					
	brown Silty f. SAND, some Gravel [SM]	11	S6	SS	13"	12 14 22 12	
8-65 SILTY F SAND	brown Silty f. SAND, some Gravel [SM]	12					
		13	S7	SS	9"	9 10 13 15	
		14					

LANGAN
ENGINEERING & ENVIRONMENTAL SERVICES

JOB NO. 5762901
DATE 9/7/07

LOG OF BORING NO. LG-9

SHEET 2 OF 6

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
8-65 SILTY F SAND	brown silty f SAND, some Gravel [SM]	14				18 13	Rollerbit to 24' Take S8 – S12
		15	S8	SS	15"	16 13	
7-65 SAND	brown m-f SAND, so gravel tr Silt [SP]	16				12 8	
		17	S9	SS	12"	12 11	
	br f-m SAND, tr gravel, tr Silt [SP]	18				13	
		19	S10	SS	16"	15 17	
6-65 GRAVEL	GRAVEL, so sandy silt [GP]	20				11 17	
		21	S11	SS	12"	22	
	br silty SAND, so gravel [SM]	22				26 33	
		23	S12	SS	12"	21 21	
		24				23	Rollerbit to 25' Take S13
7-65 SAND	brown m-f SAND, tr gravel, (wet) tr Silt [SP]	25				9	
		26	S13	SS	12"	10 9	
		27				8	Rollerbit to 30' Take S14
		28					
		29					
	brown f-m SAND, tr silt [SP]	30				7	
		31	S14	SS	12"	9 7	
		32				11	

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ENGINEERING & ENVIRONMENTAL SERVICES

JOB NO. 5762901
DATE 9/7/07

LOG OF BORING NO. LG-9

SHEET 3 OF 6

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		32					Rollerbit to 35' Take S15
		33					
	br m-f SAND, tr silt [SP]	34					
		35				6 8	
		36	S15	SS	12"	7 10	
		37					
		38					Rollerbit to 40' Take S16
		39					
7-65 SAND	br m-f SAND, tr silt [SP]	40				9 11	
		41	S16	SS	12"	10 12	
		42					Rollerbit to 45' Take S17
		43					
		44					
	br f-m SAND, tr silt [SP]	45				13 12	
		46	S17	SS	13"	14 12	
		47					Rollerbit to 50' Take S18
		48					
		49					
		50					

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JOB NO. 5762901
DATE 9/7/07

LOG OF BORING NO. LF-9

SHEET 4 OF 6

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
7-65 SAND	br f-m SAND, tr Silt [SP]	50 51 52	S18	SS	11"	18 20 22	Rollerbit to 55' Take S19
	br m-f SAND, tr silt [SP]	53 54 55 56 57	S19	SS	11"	20 16 17 22	Rollerbit to 60' Take S20
	br f-m SAND, tr silt [SP]	58 59 60 61 62	S20	SS	14"	24 24 41 26	Rollerbit to 65' Take S21
	br f-m SAND, tr silt [SP]	63 64 65 66 67 68	S21	SS	8"	15 18 14 19	Rollerbit to 70' Take S22

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JOB NO. 5762901
DATE 9/7/07, 9/10/07

LOG OF BORING NO. LF-9

SHEET 5 OF 6

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		69					End day 9/7/07 at 2:50pm Start day 9/10/07 at 6:00am
7-65 SAND	br f-m SAND, tr silt [SP]	70 71 72	S22	SS	10"	30 21 26 26	Rollerbit to 75' Take S23
	br f-m SAND, tr silt [SP]	73 74 75 76 77	S23	SS	11"	22 21 31 33	Rollerbit to 80' Take S24
	br f-m SAND, tr silt [SP]	78 79 80 81 82	S24	SS	11"	27 20 26 21	Rollerbit to 85' Take S25
	br f-m SAND, tr silt [SP]	83 84 85 86 87	S25	SS	8"	24 33 30 28	

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JOB NO. 5762901
DATE 9/10/07

LOG OF BORING NO. LG-9
SHEET 6 OF 6

NYCBC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		88					Rollerbit to 90' Take S26
		89					
		90					
7-65 SAND	br f-m SAND, tr silt [SP]	91	S26	SS	20"	24 33 30 28	
		92					Rollerbit to 94.5' Possible boulder. Drop spoon and get refusal
		93					
	Possible Top of Rock	94	S27	SS	0"	100/0	
	EOB @ 94ft	95					
		96					
		97					
		98					
		99					
		100					
		101					
		102					
		103					
		104					
		105					
		106					

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LANGAN ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING LEG-19(MW) SHEET 1 OF 6

PROJECT	166-218 Myrtle Ave	PROJECT NO.	5762901
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	EL 30± (BPBD)
DRILLING AGENCY	Craig Test Boring	DATE STARTED 9/12/07	DATE FINISHED 9/13/07
DRILLING EQUIPMENT	CME 75	COMPLETION DEPTH 100'	ROCK DEPTH 90'
SIZE AND TYPE OF BIT	2 1/8" & 3 7/8" tri-cone Rollerbit	NO. SAMPLES DIST. 26	UNDIST. — CORE 10'
CASING	4"	WATER LEVEL FIRST —	COMPL. — 24 HR. —
CASING HAMMER safety	WEIGHT 140 lb DROP 30"	FOREMAN	P. Mullins + N. Beehler
SAMPLER	2" OD split spoon	INSPECTOR	H. Gatzoulis
SAMPLER HAMMER safety	WEIGHT 140 lb DROP 30"		

NYCBC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
11-65 FILL	br SILT, so gravel, tr brick, f sand [FILL]	1	S1	SS	4"	5 3 4 7	Old Duane Reade Building; Old Sidewalk; 45°; 35'; N
	br SILT, so gravel, tr brick, f sand [FILL]	2	S2	SS	13"	2 3 2 3	
	br sandy SILT, so gravel [FILL]	3	S3	SS	4"	8 2 3 3	- Rollerbit to 14' - Take S1-S7 - Remove all of S1-S2 for environmental sampling. - Remove most of S3-S7 for environmental sampling - Drive casing to 15'.
	br sandy SILT, so gravel, tr plastic [FILL]	4	S4	SS	7"	3 2 2 3	
	br SILT, so gravel, tr f sand tr brick [FILL]	5	S5	SS	18"	8 24 22 30	
8-65 SILTY F SAND	br Silty f. SAND, tr Gravel [SM]	6	S6	SS	16"	11 25 22 18	
7-65 SAND	br m-f SAND, so silt, tr gravel [SM]	7	S7	SS	3"	100/5	NO PID Readings.

LANGAN ENGINEERING & ENVIRONMENTAL SERVICES

JOB NO. 5762901
DATE 9/12/07

LOG OF BORING NO. LEG-19(MW)

SHEET 2 OF 6

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/6"	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	br m-f SAND, so gravel, so silt [SM]	14				10 13	Rollerbit to 32' Take S8-S15.
		15	S8	SS	10"	16 17	- Remove most of S8-S12 S14-S15 for env. sampling
	br m-f SAND, some Gravel, some Silt [SM]	16				23 22	
		17	S9	SS	18"	20 18	- Remove all of S13 for env. sampling.
	br m-f SAND, so silt, some Gravel [SM]	18				16 12	
		19	S10	SS	18"	14 18	
	br m-f SAND, so gravel, tr silt [SP]	20				21 12	Environmental Samples: LEG-19(MW)-0-2 LEG-19(MW)-24-26 DUP-3 (same as 24-26) LEG-19(MW)-WC
		21	S11	SS	18"	13 11	
7-15 SAND	br m-f SAND, so gravel, tr silt [SP]	22				10 9	
		23	S12	SS	13"	12 10	
	br m-f SAND, so silt, tr gravel [SM]	24				9 9	
		25	S13	SS	18"	11 12	
	br m-f SAND, so silt (wet) [SM] (wet)	26				13 10	
		27	S14	SS	18"	10 9	
	br m-f SAND, tr silt, tr Gravel (wet) [SP]	28				19 12	
		29	S15	SS	14"	13 12	
		30					
		31					
		32					NO PID readings

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LANGAN ENGINEERING & ENVIRONMENTAL SERVICES

JOB NO. 5762901
DATE 9/12/07

LOG OF BORING NO. LEG-19(MW)

SHEET 3 OF 6

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/6"	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		32					
		33					Rollerbit to 35' Take S16
		34					
		35					
	br m-f SAND, tr silt (wet) [SP]	36	S16	SS	10"	6 5 8 10	
		37					Rollerbit to 40' Take S17
		38					
		39					
7-19 SAND	br m-f SAND, tr silt [SP]	40					
		41	S17	SS	12"	8 7 10 8	
		42					
		43					Rollerbit to 45' Take S18
		44					
		45					
	br m-f SAND, tr silt [SP]	46	S18	SS	20"	15 13 18 16	
		47					
		48					Rollerbit to 50' Take S19.
		49					
		50					NO PID readings

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JOB NO. 576290.1
DATE 9/12/07 + 9/13/07

LOG OF BORING NO. LEG-19(MW)

SHEET 4 OF 6

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	br f-m SAND, tr silt [SP]	50–52	S19	SS	2.1	18, 16, 24, 18	
		53–54					Rollerbit to 55' Take S20
	br f-m SAND, tr silt [SP]	55–57	S20	SS	2.0	23, 18, 25, 16	End day on 9/12/07 at 1:30pm Begin on 9/13/07 at 6:30am Rollerbit to 60' Take S21
F-65 SAND		58–59					
	br f-m SAND, tr silt [SP]	60–62	S21	SS	2.0	23, 18, 25, 23	
		63–64					Rollerbit to 65' Take S22
	br f-m SAND, tr silt [SP]	65–67	S22	SS	2.0	22, 20, 20, 20	
		68					NO PID Readings

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JOB NO. 576290.1
DATE 9/13/07

LOG OF BORING NO. LEG-19(MW)

SHEET 5 OF 6

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		68–69					Rollerbit to 70' Take S23
	br f-m SAND, tr silt [SP]	70–72	S23	SS	1.0	21, 17, 23, 18	
		73–74					Rollerbit to 75' Take S24
F-65 SAND	br m-f SAND, so silt, tr gravel [SM]	75–77	S24	SS	1.0	20, 18, 25, 23	
		78–79					Rollerbit to 80' Take S25
	br m-f SAND, tr silt [SP]	80–82	S25	SS	1.0	18, 15, 23, 15	
		83–84					Rollerbit to 85' Take S26
	br m-f SAND, tr silt [SP]	85–86	S26	SS	1.0	20, 17	NO PID Readings

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LANGAN ENGINEERING & ENVIRONMENTAL SERVICES

JOB NO. 5126901
DATE 9/13/07

LOG OF BORING NO. LEG-19(MW)
SHEET 6 OF 6

NYCBC	SYMBOL	SAMPLE DESCRIPTION	CORING RATE (MINS/FT)	BACK SLEEVE	DEPTH SCALE	SAMPLES NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1-6S	SAND	br m-f SAND, & Silt [SP]			86–87	S26	SS	18"	25 20	Rollerbit to 90'
		APPROX. TOP OF ROCK			87–90					
3-6S	ROCK	gray granitic gneiss Severe weathering 91' to 92.5'	5 5 5 5 6		90–93	C1	NX core barrel REC: 80/100 = 80%		RQD: 25/100 = 25%	Begin coring at 7:50am – 8:15am
1-6S		gray granitic gneiss and quartz	4 5 5 6		93–100	C2	NX core barrel REC: 100/100 = 100%		RQD: 55/100 = 92%	Begin coring at 8:15 – 8:40 am - Top 5" of C2 was actually C1
		EOB at 100'			100–104					EOB at 100'

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LOG OF BORING LEG-20 (MW) SHEET 1 OF 7

PROJECT 166-218 Myrtle Ave		PROJECT NO. 5762901	
LOCATION Brooklyn, NY		ELEVATION AND DATUM EL + 3.45 BPB(HWY)	
DRILLING AGENCY Craig Test Boring		DATE STARTED 3/28/07	DATE FINISHED 3/28/07
DRILLING EQUIPMENT GUS Pech Built 22-R		COMPLETION DEPTH 106'	ROCK DEPTH 96'
SIZE AND TYPE OF BIT 3 7/8" Tricone Rollerbit		NO. SAMPLES DIST. 22	UNDIST. – CORE 10'
CASING 4" Steel Casing		WATER LEVEL FIRST –	COMPL. – 24 HR. –
CASING HAMMER Donut	WEIGHT 300 lbs. DROP 24 in	FOREMAN Pat P	
SAMPLER 2" OD Split Spoon Sampler		INSPECTOR Christine Boudier	
SAMPLER HAMMER Safety	WEIGHT 140 lbs DROP 30 in		

NYCBC	SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
11-6S	FILL	Brown-gray m-f SAND, so concrete, tr brick [FILL]	1–2	S1	SS	8"	29 32 100/2"	7:15am PID 2.4
		Brown-red m-f SAND, so concrete, so gravel [FILL]	2–4	S2	SS	3"	1 100 3"	7:23am PID 1.8
		Possible Concrete 4'-10'	4–10					Rollerbit thru ashphalt Take S1 Rollerbit to 2' - chatter Take S2 Rollerbit to 4' - hard drilling 4-10' - concrete
11-6S		Brown m-f SAND, so brick, so & gravel tr silt [FILL]	10–14	S3	SS	11"	10 16 12 11	Take S3 8:35 PID 0.9
				S4	SS	11"	16 19 19 15	8:40 PID 1.1

Myrtle Ave
Building
Fleet Street

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JOB NO. 5762901
DATE 3/28/07

LOG OF BORING NO. LEG-20 (mw)

SHEET 2 OF 7

PVC	SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
0-0.1		Possible Concrete 14'-16'	14					Roller bit to 14' Concrete 14-16'
			15					
			16					Take S5 @ 855 PID 1.0
11-15	FILL	Brown m-f SAND, trbrick, so gravel [FILL]	17	S4	SS	18	2 13 20 21	
			18					Roller bit 18' - concrete 17.5'-20'
18-20		Possible Concrete 18-20'	19	S5				Take S6 9:10 PID N/A
			20				17 15	
		No recovery	21	S6	SS	0	19 13	Casing to 20' Clean out hole Take S6 930 PID 0.1
		Brown m-f SAND, trf gravel (wet) [SP]	22				17 18	
			23	S7	SS	18	13 11	Roller bit to 22' Take S7
			24					Casing to 25' Roller bit to 25' Take S8
			25					
7-15	SAND	Brown c-f SAND, tr gravel, tr silt [SW] (wet)	26	S8	SS		6 13 16 15	
			27					
			28					
			29					Roller bit to 30' Take S9
			30				13	
		Brown c-f SAND, tr silt, tr f gravel [SW]	31	S9	SS	18	14 15	
			32				15	

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JOB NO. 5762901
DATE 3/28/07

LOG OF BORING NO. LEG-20 (mw)

SHEET 3 OF 7

PVC	SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			32					
			33					Roller bit to 35'
			34					Take S10
			35					
		Brown c-f SAND, tr f gravel, tr silt [SW]	36	S10	SS	9"	9 9 13 12	
			37					
			38					
			39					Roller bit to 40
			40					Take S11
7-15	SAND	Brown fine SAND, tr silt [SP]	41	S11	SS	6	13 17 16 17	
			42					
			43					
			44					Roller bit to 45' Take S12
			45					
		Brown f SAND, trf gravel, tr silt [SP]	46	S12	SS	14	16 21 32 18	
			47					
			48					
			49					
			50					

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JOB NO. 5762901
DATE 3/28/07

LOG OF BORING NO. LEG-20 (mw)

SHEET 4 OF 7

USCS	SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/6"	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
7-65	SAND	Brown c-f SAND, so silt [SM]	50				14	Rollerbit to 50'
			51	S13	SS	16"	23 13 38	Take S13
			52					
			53					
			54					
			55				18	Rollerbit to 55'
		Brown c-f SAND pockets of fine silty sand [SM]	56	S14	SS	14"	23 29 35	Take S14
			57					
			58					
			59					Rollerbit to 60'
			60				5	Take S15
		Brown m-f SAND, so silt [SM]	61	S15	SS	17"	23 30 26	
			62					
			63					Rollerbit to 65'
			64					Take S16
			65				22	
		Brown m-f SAND, tr silt [SP]	66	S16	SS	14"	35 37 38	
			67					
			68					

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JOB NO. 5762901
DATE 3/28/07

LOG OF BORING NO. LEG-20 (mw)

SHEET 5 OF 7

USCS	SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/6"	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
7-65	SAND		68					
			69					Rollerbit to 70'
			70				24	Take S17
		Brown m-f SAND, so silt [SM]	71	S17	SS	13"	33 24 38	
			72					
			73					
			74					
		Brown m-f SAND, tr silt [SP]	75				34	Rollerbit to 75' Take S18
			76	S18	SS		43 53 68	
			77					
			78					
			79					Rollerbit to 80' Take S19
		Brown m-c-f SAND, tr silt [SW]	80				33	
			81	S19	SS	16"	36 33 35	
			82					
			83					
			84					Rollerbit to 85' Take S20
			85					
		Brown c-f SAND, tr silt [SW]	86	S20	SS	24	31 65	

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JOB NO. 5762901
DATE 3/28/07

LOG OF BORING NO. LEG 20 (mw)

SHEET 6 OF 7

SOIL SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BL/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
7-65 SAND	Brown c-f SAND, tr silt [SW]	86, 87	S20	SS	2"	58, 62	
		88, 89					Rollerbit to 90 Take S21
	Brown m-f SAND, so silt [SM]	90, 91	S21	SS	12"	23, 34, 33, 41	
		92, 93					Rollerbit to 95' -Slight chatter
		94, 95	S22	SS	2"	100/2"	Take S22
	Brown m-f SAND — Approx. top of Rock	96					Core 96-101
1-65 ROCK	Gray granite + wh quartz, so pegmatite, (fractured) REC = 97% RQD = 90%	97, 98, 99, 100	C1	NX CORE BARREL	REC: 5/100 = 97%	RQD: 59/60 = 90%	
		101					Core 101-106
	Gray granite + wh quartz, so pink pegmatite REC = 100% RQD = 97%	102, 103, 104	C2	NX CORE BARREL	REC: 6/6 = 100%	RQD: 58/60 = 97%	

Approx. Casing Rate (mins/ft.): 6, 9, 9, 11, 12, 8, 9, 10
Fractures/Joints Sketch

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JOB NO. 5762901
DATE 3/28/07

LOG OF BORING NO. LEG 20 (mw)

SHEET 7 OF 7

SOIL SYMBOL	SAMPLE DESCRIPTION	Approx. Casing Rate (mins/ft.)	Fractures/Joints Sketch	DEPTH SCALE	SAMPLES NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BL/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
1-65 ROCK		12, 13		104, 105, 106	C2	NX CORE	REC: 6/6 = 100%	RQD: 97%	Installed monitoring well
	EOB @ 106'								

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LANGAN ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING LEG-21 SHEET 1 OF 2

PROJECT 166-218 MYRTLE AVE	PROJECT NO. 5762901
LOCATION BROOKLYN, NY	ELEVATION AND DATUM EL 30± (BPBD)
DRILLING AGENCY CRAIG TEST BORING	DATE STARTED 9/6/07 / DATE FINISHED 9/6/07
DRILLING EQUIPMENT CME 75	COMPLETION DEPTH 17' / ROCK DEPTH —
SIZE AND TYPE OF BIT 8 1/8" & 3 7/8" tri-cone rollerbit	NO. SAMPLES DIST. 3 UNDIST. — CORE —
CASING 4"	WATER LEVEL FIRST — COMPL. — 24 HR. —
CASING HAMMER Safety WEIGHT 140 lb DROP 30"	FOREMAN P. Mullins / N. Beehler
SAMPLER 2" OD split spoon	
SAMPLER HAMMER Safety WEIGHT 140 lb DROP 30"	INSPECTOR H. GATZOULIS & A. WREN

NYCBC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
11-65 FILL	FORMER BUILDINGS DEBRIS.	1–3					Old Duane Lake Building; Old Sidewalk; 21.5' 7.0' ↑N
		4					Start drilling at 7:45 am Rollerbit to 5' Take S1
11-65 FILL	brown SILT, so sand, gravel tr brick	5–7	S1	SS	4"	3, 2, 1	
		8–9					Rollerbit to 10' Take S2
	brown sand SILT, so gravel tr brick	10–11	S2	SS	14"	20, 15, 21, 7	
		12–13					Rollerbit to 15' Take S3
		14					

LANGAN ENGINEERING & ENVIRONMENTAL SERVICES

JOB NO. 5762901
DATE 9/6/07

LOG OF BORING NO. LEG-21
SHEET 2 OF 2

NYCBC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6 in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
7-65 SAND	brown m-c SAND, so gravel tr silt,	14–15				11	
		16	S3	SS	20"	10, 17, 17	
	EOB @ 17ft	17					Hit possible boulder 17' and move 5' to the to begin drilling LEG-21a.
		18–32					

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LOG OF BORING LEG-21a SHEET 1 OF 7

PROJECT Ido-218 MYRTLE AVE	PROJECT NO. 5762901
LOCATION BROOKLYN, NY	ELEVATION AND DATUM EL 30± (BPBD)
DRILLING AGENCY CRAIG TEST BORING	DATE STARTED 9/6/07 / DATE FINISHED 9/7/07
DRILLING EQUIPMENT CME 75	COMPLETION DEPTH 105' / ROCK DEPTH 95'
SIZE AND TYPE OF BIT 2 1/8" & 3 7/8" tri-cone Rollerbit	NO. SAMPLES DIST. 16' UNDIST. — CORE 10'
CASING 4"	WATER LEVEL FIRST — COMPL. — 24 HR. —
CASING HAMMER Safety WEIGHT 140 lb DROP 30"	FOREMAN PAUL & NICK
SAMPLER 2" OD split spoon	INSPECTOR R. GATZOULIS & A. WREN
SAMPLER HAMMER Safety WEIGHT 140 lb DROP 30"	

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
	FOR SOIL DESCRIPTION BETWEEN 0 and 20 Ft see Boring LEG-21	1–14					Old Sidewalk; Old Duane Reade Bldg; 21' 6' ↑N; Rollerbit to 20' Take S4

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JOB NO. 5762901
DATE 9/6/01

LOG OF BORING NO. LEG-21a
SHEET 2 OF 7

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
7-65 SAND	brown m-f SAND, so gravel, tr silt, ! [SP].	14–20					hammer casing, drill a clean out hole
		20–22	S4	SS	7.5	30, 60, 29, 27	
		22–25					Rollerbit to 25' Take S5
	brown m-f SAND, so gravel tr Silt [SP]	25–27	S5	SS	8.2	33, 33, 33, 25	
		27–30					Rollerbit to 30' Take 30'
	brown m-f SAND, so gravel tr Silt [SP]	30–32	S6	SS	8.11	10, 11, 10, 9	

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JOB NO. 5762901
DATE 9/6/07

LOG OF BORING NO. LEG-21a

SHEET 3 OF 7

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
7-65 SAND		32					
		33					Rollerbit to 35' Take S7
		34					
	brown m-f SAND, so gravel, tr Silt [SP]	35				15	
		36	S7	SS	11"	14 15	
		37				13	
		38					Rollerbit to 40' Take S8
		39					
		40				23	
6-65 GRAVEL	GRAVEL, so sandy silt [GP]	41	S8	SS	12" 6"	22 30	
		42				20	
		43					Rollerbit to 45' Take S9
		44					
		45				17	
7-65 SAND	brown m-f SAND, tr gravel, tr Silt [SP]	46	S9	SS	15"	20 21	
		47				20	Rollerbit to 50' Take S10
		48					
		49					
		50					

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JOB NO. 5762901
DATE 9/6/07

LOG OF BORING NO. LEG-21a

SHEET 4 OF 7

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		50					
	brown m-f SAND, tr silt [SP]	51	S10	SS	15"	28 25 31 31	
		52					
		53					Rollerbit to 55' Take S11
		54					
		55				26	
	brown m-f SAND, tr gravel, tr Silt [SP]	56	S11	SS	10"	31 38	
7-65 SAND		57				35	
		58					Rollerbit to 60' Take S12
		59					
		60				23	
	brown m-f SAND, tr silt [SP]	61	S12	SS	10"	30 35 63	
		62					
		63					Rollerbit to 65' Take S13
		64					
		65				32	
	brown f-m SAND, tr silt [SP]	66	S13	SS	15"	35 38 39	
		67					
		68					

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JOB NO. 5762901
DATE 9/6/07

LOG OF BORING NO. LEG-21a

SHEET 5 OF 7

NYCBC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/6"	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		68					Rollerbit to 70' Take S14
		69					
		70				25 37	
	brown f-m SAND, tr silt [SP]	71	S14	SS	18"	38 41	
		72					Rollerbit to 75' Take S15
		73					
		74					
		75				24	
SP-65 SAND	brown f-m SAND, tr silt [SP]	76	S15	SS	10"	21 26 28	
		77					
		78					Rollerbit to 80' Take S16
		79					
		80				30	
	brown f-m SAND, tr silt [SP]	81	S16	SS	10"	31 28 31	
		82					Rollerbit to 85' Take S17
		83					
		84					
		85	S17	SS	11"	35 39	
		86					

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JOB NO. 5762901
DATE 9/6/07 + 9/7/07

LOG OF BORING NO. LEG-21a

SHEET 6 OF 7

NYCBC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/6"	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		86					
SP-65 SAND	tr m-f SAND, tr Silt [SP]	87	S17	SS	11"	40 50/0	Rollerbit to 90' Take S18
		88					
		89					
		90				57	
GP-65 GRAVEL	GRAVEL, so gray soft clay [GP]	91	S18	SS	6"	50/2	
		92					Rollerbit to 95' Encounter hard drilling @ 93.5'
		93					
	APPROX. TOP OF ROCK	94					
		95					Begin Coring Rock at 95' 12:25 - 1:00pm
	gray granitic gneiss white quartz, so pink garnets	96					
		97					
		98	C1	NX Core Barrel	REC: 41"/60" = 82%	RQD: 35/60" = 58%	
		99					
		100					End day on 9/6/07 at 3:00pm Begin day on 9/7/07 at 6:30am Rock core 7:10am - 7:45
		101					
	gray granitic gneiss, white quartz, so pink garnets	102	C2	NX Core Barrel	REC: 60"/60" = 100%	RQD: 55/60" = 92%	
		103					
		104					

ROCK SKETCH

COARING RATE (MINS PER FOOT)
7
7
8
6
7
8
7
7
6

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JOB NO. 5762901
DATE 9/7/07

LOG OF BORING NO. LEG-21a
SHEET 7 OF 7

NYCBC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
7-65 Rock Symbol	Gray granitic GNEISS — 7	104					
		105					End of boring at 105'
	EOB at 105'	106					

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LOG OF BORING LEG-22A (MW) **SHEET** 1 **OF** 7

PROJECT	166-218 Myrtle Ave	PROJECT NO.	5762901
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	EL +35± BPB(HW)
DRILLING AGENCY	Craig Test Boring	DATE STARTED / DATE FINISHED	4/3/07 / 4/3/07
DRILLING EQUIPMENT	CME 75 Mud Rotary w/ Revert	COMPLETION DEPTH / ROCK DEPTH	110 / 100
SIZE AND TYPE OF BIT	3 7/8 Tri-Cone Rollerbit	NO. SAMPLES	DIST. 27 / UNDIST. 0 / CORE 100-110
CASING	4" casing	WATER LEVEL	FIRST — / COMPL. — / 24 HR. —
CASING HAMMER	Auto / WEIGHT 140 lbs / DROP 30 in	FOREMAN	Jonathan and Craig
SAMPLER	2" OD split spoon sampler	INSPECTOR	Alisa Gatzoulis
SAMPLER HAMMER	Auto / WEIGHT 140 lbs / DROP 30 in		

NYCBC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
11-65 FILL	brown m-f SAND, so gravel, so brick, so silt, tr asphalt [FILL]	1	S1	SS	12"	80 11 7 6	20cm Break through asphalt; Brick wall; PID=1.0ppm; 7:10
	brown m-f SAND, so gravel, so silt, tr brick, tr clay [FILL]	2–3	S2	SS	12"	3 7 7 6	85'; PID=0.4ppm; 7:13
	brown m-f SAND, so gravel, tr silt, tr clay [FILL]	4–5	S3	SS	10"	4 5 8 7	PID=0.6ppm; 7:16
	brown m-f SAND, tr silt [SP]	6–7	S4	SS	10"	4 4 7 8	PID=0.4ppm; 7:20
7-65 SAND	brown m-f SAND, tr silt, tr gravel [SP]	8–9	S5	SS	12"	6 6 5 5	PID=0.0ppm; 7:25
	brown m-f SAND and GRAVEL, tr silt [SP]	10–11	S6	SS	24"	7 7 11 13	PID=0.0ppm; 8:20am
	Red brown m-f SAND, so clay, tr gravel, tr silt [SC]	12–13	S7	SS	24"	10 13 15 18	PID=1.3ppm
		14					

Soil Sample LEG22A-0-6 @10 am

Take S1-S6 for env. testing

Take S1-S7

Drill to 12' put casing.

Drilling Equipment breaks down, fix it and begin drilling again at 8:20am

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JOB NO. 5762901
DATE 4/3/07

LOG OF BORING NO. LEG-22A(MW)

SHEET 2 OF 7

NYCBC	SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
SAND		Red brown m-f SAND, so clay, so gravel, tr silt [SC]	14–15	S8	SS	12"	12 12 13 14	PID: 1.2ppm Take S8
			16–17	S9	SS	0"	10 14 18 21	No Recovery
		Red brown m-f SAND, tr silt, tr gravel [SP]	18–19	S10	SS	12"	18 21 23 27	PID: 0.2ppm Take S10
		Red brown m-f SAND, so silt, tr gravel [SM]	20–21	S11	SS	10"	11 14 22 18	PID: 0.3ppm Take S11
		Red brown m-f SAND, tr silt, tr gravel (moist) [SP]	22–23	S12	SS	12"	19 21 17 17	PID: 0.0ppm Take S12
		Brown c-f SAND, so gravel, tr silt (wet) [SW]	24–25	S13	SS	12"	22 26 26 29	PID: 0.0ppm Take S13
			26–27					Rollerbit to 30' Put in casing. hit a boulder at 30' to 34'.
		Brown m-f SAND, so gravel, so silt [SP]	30–31	S14	SS	10"	13 17 10 13	PID: 0.0ppm Take S14

Take soil sample LEG-22A-22-24 at 10:30am

Take S12 for CRW testing

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JOB NO. 5762901
DATE 4/3/07

LOG OF BORING NO. LEG-22A(MW)

SHEET 3 OF 7

NYCBC	SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		Possible Boulder / Cobble	32–33					Rollerbit to 35' Take S15
			34–35					
		brown m-f SAND, tr gravel, tr silt [SP]	36–37	S15	SS	12"	11 17 12 12	PID: 0.0ppm
			38–39					Rollerbit to 40' Take S16
SAND		brown m-f SAND, tr gravel, tr silt [SP]	40–41	S16	SS	12"	4 11 13 16	PID: 0.0ppm
			42–43					Rollerbit to 45' Take S17
		brown m-f SAND, tr gravel, tr silt [SP]	44–45	S17	SS	12"	9 10 11 12	PID: 0.0ppm
			46–47					Rollerbit to 50' Take S18
			48–49					

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JOB NO. 5762901
DATE 4/3/07

LOG OF BORING NO. LEG-22A(mw)
SHEET 4 OF 7

NYCBC	Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLOWS		REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
7-65	SAND	brown m-f SAND, tr gravel, tr silt [SP]	50–52	S18	SS	12"	8 11 15 16	0.0ppm	Rollerbit to 55' Take S19
		brown m-f SAND, tr gravel tr silt [SP]	55–57	S19	SS	12"	10 14 14 17	0.0ppm	
			58–59						Rollerbit to 60' Take S20
		brown m-f SAND, tr gravel tr silt [SP]	60–62	S20	SS	13"	12 16 19 23	0.0ppm	
			63–64						Rollerbit to 65' Take S21
		brown c-f SAND, tr gravel, tr silt [SW]	65–67	S21	SS	13"	14 18 22 27	0.0ppm	

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JOB NO. 5762901
DATE 4/3/07

LOG OF BORING NO. LEG 22A(mw)
SHEET 5 OF 7

NYCBC	Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLOWS		REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			68–69						Rollerbit to 70' Take S22
		brown m-f SAND, tr silt, tr gravel [SP]	70–72	S22	SS	15"	16 22 25 29	0.0ppm	
			73–74						Rollerbit to 75' take S23
7-65	SAND	brown m-f SAND, tr silt [SP]	75–77	S23	SS	15"	15 24 28 32	0.0ppm	Rollerbit to 75
			78–79						Rollerbit to 80' take S24
		brown m-f SAND, so gravel, tr silt [SP]	80–82	S24	SS	13"	12 19 21 26	0.0ppm	
			83–84						Rollerbit to 85' take S25
			85–86	S25	SS	22"	15 18		

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JOB NO. 5762901
DATE 4/3/07

LOG OF BORING NO. LEG 22A (MW)

SHEET 6 OF 7

NYCBC	Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
2-65	SAND	brown m-f SAND, so vf gravel, tr silt [SP]	86–87	S25	SS	22"	22 24	0.0ppm; Rollerbit to 90, Take S26
			88–89					
		Brown m-f SAND, tr silt [SP]	90–92	S26	SS	24"	12 24 24 28	0.0ppm; Rollerbit to 95', Take S27
			93–94					
		Brown m-f SAND, so f. gravel [SP]	95–97	S27	SS	18"	13 18 22 27	0.0ppm; Rollerbit to 100', Hit Rock at 100' 12:50
		Approx. Top of Rock	98–99					
2-65	ROCK	White quartz with gray granite and pink garnet. REC= 87% RQD = 68%	100–101	C1	Nx Core Barrel	REC: 57/60=87%	RQD: 38/60=63%	
			102–103					
			104					

Approx. Drilling Rate (mins/ft): 9, 9, 8, 8
Fractures/Joints Sketch

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JOB NO. 5762901
DATE 4/3/07

LOG OF BORING NO. LEG 22A (MW)

SHEET 7 OF 7

NYCBC	Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
2-65	ROCK	gray granite with quartz seams, amet garnets. REC= 78% RQD= 60%	104–105					13:20
			106–107					
			108–109	C2	Nx Core Barrel	REC: 47/60 = 78%	RQD = 36/60 = 60%	
		E.O.B. @ 110'	110					Installed monitoring well upon completion of the borehole.
			111–113					
			114–119					Leave site @ 15:30 w/ C. Baudier and C. Test Drillers

Approx. Drilling Rate (mins/ft): 8, 8, 9, 8, 7, 7
Fractures/Joints Sketch

085100

LANGAN ENGINEERING & ENVIRONMENTAL SERVICES

LOG OF BORING LEG-23a(MW) SHEET 1 OF 7

PROJECT	166-218 Myrtle Ave	PROJECT NO.	576290
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	EL 32± (BPBD)
DRILLING AGENCY	Craig Test Boring	DATE STARTED	9/14/07 — DATE FINISHED 9/17/07
DRILLING EQUIPMENT	CME 75	COMPLETION DEPTH	115' — ROCK DEPTH 105'
SIZE AND TYPE OF BIT	4 1/2" & 5 7/8" Hercon rollerbit	NO. SAMPLES	DIST. 29 — UNDIST. — — CORE 10'
CASING	4"	WATER LEVEL	FIRST — — COMPL. — — 24 HR. —
CASING HAMMER	Safety — WEIGHT 140 lb — DROP 30"	FOREMAN	P. Mullins & N. Beehler
SAMPLER	2" OD split spoon	INSPECTOR	H. Gotzoulis
SAMPLER HAMMER	Safety — WEIGHT 140 lb — DROP 30"		

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
11-65 FILL	br SILT, so gravel, tr brick, f sand, asphalt	1	S1	SS	6"	2 10 11 7	Sidewalk; ↑N; 20' × 5'; Old Duane Reade Building
	GRAVEL, so silt, tr f sand	2–3	S2	SS	8"	2 3 11 3	
	br SILT, so gravel, tr brick f sand	4–5	S3	SS	8"	3 3 8 9	Rollerbit to 14'; Take S1–S14; remove most of S1 for environmental sampling; remove some of S2–S9 for env. sampling; Drive casing to 15'
	br SILT, so gravel, tr brick, f SAND	6–7	S4	SS	14"	11 14 20 52	
	GRAVEL, so br silt, tr f sand	8–9	S5	SS	3"	43 50 100/2	
6-65 GRAVEL??	GRAVEL, so br silt, tr f sand [GP]	10–11	S6	SS	10"	11 55 45 20	Rig chatter, some loss of drilling mud, hard drilling
8-65 SILTY F SAND	Brown SILTY F. SAND, tr Gravel [SM]	12–13	S7	SS	18"	22 20 21 18	
		14					

LANGAN ENGINEERING & ENVIRONMENTAL SERVICES

JOB NO. 576290 — DATE 9/14/07 — LOG OF BORING NO. LEG-23a(MW) — SHEET 2 OF 7

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
7-65 SAND	br m-f SAND, tr gravel, tr Silt [SP]	14–15	S8	SS	14"	12 10 15 12	hard drilling, rig chatter
8-65 F SAND	Br. Silty f. SAND, some Gravel [SM]	16–17	S9	SS	12"	13 14 16 15	
6-65 GRAVEL	GRAVEL, so m-f sand, tr silt [SP]	18–19	S10	SS	12"	13 21 30 30	Environmental Samples: LEG-23a(mw)-0-2; LEG-23a(mw)-20-22; LEG-23a(mw)-WC; Dup-2
	GRAVEL, m-f sand, tr silt [SP]	20–21	S11	SS	14"	21 26 39 21	
7-65 SAND	br m-f SAND, so gravel, tr silt [SP] (wet)	22–23	S12	SS	14"	22 14 18 19	
6-65 GRAVEL	GRAVEL, so c-f sand, tr silt [GP] (wet)	24–25	S13	SS	13"	19 20 23 25	
	GRAVEL, so silty sand [GP] (wet)	26–27	S14	SS	6"	27 55 50 40	
7-65 SAND	br m-f SAND, so gravel, so silt [SM]	28–29	S15	SS	14"	31 21 19 20	Rollerbit to 35'; Take S16
		30–31					

OR6100

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JOB NO. 576290)
DATE 9/14/07

LOG OF BORING NO. LEG-23a(mw)
SHEET 3 OF 7

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
Possible Gravel/Cobble	32					Hard drilling and rig chatter
	33					
	34					
	35					
br f-m SAND, tr silt [SP]	36	S16	SS	14"	13 12 13 13	
	37					Rollerbit to 40' Take S17
	38					
	39					
	40					
br f-m SAND, tr silt, tr gravel [SP]	41	S17	SS	15"	10 10 12 13	
	42					Rollerbit to 45' Take S18
	43					
	44					
	45					
br c-f SAND, tr silt, gravel [SW]	46	S18	SS	14"	13 12 16 13	
	47					Rollerbit to 50' Take S19
	48					
	49					
	50					

7-65 SAND

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JOB NO. 576290)
DATE 9/14/07

LOG OF BORING NO. LEG-23a(mw)
SHEET 4 OF 7

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
br c-f SAND, tr gravel, tr silt (wet) [SW]	50					
	51	S19	SS	17"	11 8 13 13	
	52					Rollerbit to 55' Take S20
	53					
	54					
Top 7.5" br sm-f SAND, so silt [SM] Bottom 5.5" br m-f SAND, tr silt [SP]	55	S20	SS	15"	15 12 16 14	
	56					
	57					Rollerbit 60' S21
	58					
	59					
br f-m SAND, so silt [SM]	60	S21	SS	14"	12 11 15 14	
	61					
	62					Rollerbit to 65' Take S22
	63					
	64					
br m-f SAND, tr silt [SP]	65	S22	SS	17"	14 12 20 13	
	66					
	67					Rollerbit to 70' Take S23
	68					

7-65 SAND

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JOB NO. 5762901
DATE 9/14/07 and 9/17/07

LOG OF BORING NO. LEG-23a (MW)
SHEET 5 OF 7

SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6"	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
br f-m SAND, tr silt (wet) [SP]	68, 69, 70, 71, 72	S23	SS	15"	14, 16, 23, 16	
	73, 74, 75					Rollerbit to 75' Take 24
br m-f SAND, tr silt, tr gravel (wet) [SP]	76, 77	S24	SS	16"	16, 14, 16, 15	
						End day on 9/14/07 at 1:30pm Begin day on 9/17/07 at 6:00 am
	78, 79					Rollerbit to 80' Take S25
br m-f SAND, tr silt (wet) [SP]	80, 81, 82	S26	SS	17"	22, 20, 22, 22	
	83					Rollerbit to 85' Take S26
br f-m SAND, tr silt (wet) [SP]	84, 85, 86	S26	SS	18"	24, 22	

9-65 SAND

086100

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JOB NO. 5762901
DATE 9/17/07

LOG OF BORING NO. LEG-23a (MW)
SHEET 6 OF 7

WELL SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6"	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		86, 87	S26	SS	18"	20, 22	
		88, 89, 90					Rollerbit to 90' Take S27
	br f-m SAND, tr silt (wet) [SP]	91, 92	S27	SS	20"	19, 17, 20, 18	
		93, 94					Rollerbit to 95' Take S28
	br f-m SAND, tr silt (wet) [SP]	95, 96, 97	S28	SS	9"	24, 22, 25, 25	
		98, 99					Rollerbit to 100' Take S29
	grey Silty CLAY, some m-f Sand, tr Gravel [CL]	100, 101, 102	S29	SS	8"	50/1	Hand drilling at 102'
		103, 104					

9-65 CLAY

086100

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JOB NO. 5762901
DATE 9/17/07

LOG OF BORING NO. LEG-23 (MW)

SHEET 7 OF 7

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
9.65 / CLAY	grey silty CLAY, some m-f Sand & Gravel [CL]	104					
	Grey granitic GNEISS — APPROX. TOP OF ROCK	105					Start coring at 7:55am - 8:20
ROCK		106	C1	OX core barrel	REC: 54/60 = 90 %	RQD: 43/60 = 72 %	
		107					
		108					
		109					
		110					start coring at 8:25am - 8:50
		111	C2	OX core barrel	REC: 55/60 = 92 %	RQD: 51/60 = 85 %	
		112					
		113					
		114					
		115					EOB at 115' Install monitoring well
	EOB at 115'	116					
		117					
		118					
		119					
		120					
		121					
		122					

Blows/6 in. (Pen.): 7, 6, 7, 8, 7, 6, 7, 7, 8, 7

085300

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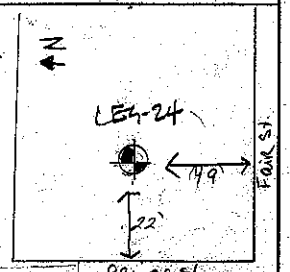
LOG OF BORING LEG-24 SHEET 1 OF 7

PROJECT	166-218 Myrtle Ave	PROJECT NO.	5762901
LOCATION	Brooklyn, NY	ELEVATION AND DATUM	EL +35 BPB (Army)
DRILLING AGENCY	Craig Test Boring	DATE STARTED 4/26/07	DATE FINISHED 4/30/07
DRILLING EQUIPMENT	GUS Pech Beat 22R	COMPLETION DEPTH 122	ROCK DEPTH 112
SIZE AND TYPE OF BIT	3 7/8 Tri-cone Rollerbit	NO. SAMPLES	DIST. 23 / UNDIST. — / CORE 40
CASING	4" Steel Casing	WATER LEVEL	FIRST 81 / COMPL. — / 24 HR. —
CASING HAMMER Donut	WEIGHT 300 lbs / DROP 24 in	FOREMAN	Pat & Kyle
SAMPLER	2" OD Split Spoon Sampler	INSPECTOR	Hrisa Gatzoulis
SAMPLER HAMMER Safety	WEIGHT 140 lbs / DROP 30 in		

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
11.65 FILL	brown m-f SAND, so gravel, trace so silt, so brick [FILL]	1	31 (H)	SS	10"	9 11 10	
	Brick and brown silty f. SAND, so gravel [FILL]	2					
		3	32	SS	3"	50/1"	
		4					
	Possible obstructions, construction debris	5					
		6					
		7					
		8					
		9					
	brown silty f. SAND, tr gravel (SM)	10				15 35	
		11	33	SS	37	25	
		12					
		13					
		14					



NOTE: SAMPLE WITH (H) INDICATE THAT SOME OF THE OF RESTORED SOIL WAS USED FOR ENVIRONMENTAL TESTING 4/26/07

Very hard drilling to 10 Ft. Rig shaking hard, constant loss of drilling water.

S1-S3 PID=0.0 PPM

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JOB NO. 5762901
DATE 4/26/07, 4/27/07, 4/30/07

LOG OF BORING NO. LEG-24
SHEET 2 OF 7

Nyeec	Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	NO.LOC.	TYPE	RECOV.FT.	PENETR. RESIST BLS/6IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			14					Not able to take next sample encountered obstruction/hard drilling @ 12 Ft
			15					
		POSSIBLE OBSTRUCTIONS CONSTRUCTION DEBRIS	16					
			17					CONSTANT LOSS OF DRILLING WATER
11-65	FILL		18					
			19					SPIN CASING TO 20 Ft AND CLEAN BOREHOLE
			20				24	End of day on 4/26/07
		No recovery Possible Fill	21	S4	SS	0"	50/1	
		Possible bottom of fill	22					
		? ?	23					
			24				35 55	Rollerbit to 25', hard to get through 24'-25' possible concrete/boulder
		brown m-f SAND, so gravel, so silt, [SM]	25				35	
			26	S5	SS	14"	35	
			27				40	
			28	S6	SS	14"	25 37 32	
7-65	SAND	Cobble fragments and brown c-f SAND, so silt [SM] (moist)	29				28	Soil Sample was taken from part of S6 and all S7 LEG-24-28-30 at 8:30am
		Brown c-f SAND, so gravel, tr silt [SW] (wet)	30	S7	SS	14"	36 31	
			31				36	encountered GW
			32					NO PID readings

086100

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JOB NO. 5762901
DATE 4/30/07

LOG OF BORING NO. LEG-24
SHEET 3 OF 7

Nyeec	Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	NO.LOC.	TYPE	RECOV.FT.	PENETR. RESIST BLS/6IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
			32					Rollerbit to 35 Take S8
			33					
			34					
			35				21	
		brown m-f SAND, tr silt [SP] (wet)	36	S8	SS	16"	24 24	
			37				99	
			38					Rollerbit to 40' take S9
			39					
7-65	SAND		40				18 20	
		brown m-f SAND, tr silt [SP]	41	S9	SS	24"	24 25	
			42					
			43					Rollerbit to 45' Take S10
			44					
			45				18	
		brown m-f SAND, tr silt, [SP]	46	S10	SS	16"	25 22 26	
			47					Rollerbit to 50 Take S11
			48					
			49					
			50					NO PID readings

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JOB NO. 5762901
DATE 4/30/07

LOG OF BORING NO. LEG-24
SHEET 4 OF 7

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/6in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
7-65 SAND	brown m-f SAND, trsilt [SP]	50				20	
		51	S11	S3	18"	22 19 21	
		52					
		53					Rollerbit to 55' Table S12
		54					
		55				11	
	brown m-f SAND, trsilt, [SP]	56	S12	S5		13 12	
		57				11	
		58					Rollerbit to 60' Table S13
		59					
		60				17	
	brown m-f SAND, trsilt [SP]	61	S13	S5	18"	15 14	
		62				18	
		63					Rollerbit to 65' Table S14
		64					
		65				19	
	brown m-f SAND, trsilt [SP]	66	S14	S5	10"	23 29	
		67				30	
		68					No PID Reading

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JOB NO. 5762901
DATE 4/30/07

LOG OF BORING NO. LEG-24
SHEET 5 OF 7

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/6in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
7-65 SAND		68					Rollerbit to 70' table S15
		69					
		70				17	
	brown m-f SAND, trsilt [SP]	71	S15	S5	10"	20 21	
		72				28	
		73					Rollerbit to 75' table S16
		74					
		75				14	
	brown m-f SAND, trsilt [SP]	76	S16	S5	18"	32 34	
		77				30	
		78					Rollerbit to 80' table S17
		79					
		80				27	
	brown m-f SAND, trsilt [SP]	81	S17	S5	Rock	38 42	
		82				55	
		83					Rollerbit to 85' table S18
		84					
		85				35	
	brown m-f SAND, trsilt [SP]	86	S18	S5	Rock	30	

086100

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JOB NO. 5762901
DATE 4/30/07

LOG OF BORING NO. LEG-24
SHEET 6 OF 7

NYC&C	Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
9-65	SAND	brown m-f SAND, tr silt [SP]	86–104	S18	SS	18"	38	Rollerbit to 90' Take S19
				S19	SS	18"	30 31 45 37	Rollerbit to 95' take S20
		brown m-f SAND, tr silt [SP]		S20	SS	20"	28 32 42 40	Rollerbit to 100' take S21
9-65	CLAY	~~stiff dark~~ gray silty CLAY, +tr. f sand [CL]		S21	SS	20"	14 20 24 27	Rollerbit to 105' Take S22

No PID Readings

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JOB NO. 5762901
DATE 4/30/07

LOG OF BORING NO. LEG-24
SHEET 7 OF 7

NYC&C	Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO.LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6in.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
7-65	SAND	brown m-f SAND, so gray clay, [SC]	104–122	S22	SS	37"	100/5	Rollerbit to 110' Take S23
4-65	Dec. ROCK	gray micaceous silty, f-m SAND, tr gravel (Dec. Rock)		S23	SS	31"	100/3	Top of Rock at 112'
-65	ROCK	APPROX. TOP OF ROCK; gray granitic gneiss, so pink garnets, so quartz. REC=92% RQD=92%		C1	NX Core Barrel	REC: 55/60 = 92%	RQD: 55/60 = 92%	
		gray granitic gneiss, so pink garnets, so quartz. REC=100% RQD=92%		C2	NX Core Barrel	REC: 60/60 = 100%	RQD: 55/60 = 92%	

mins/ft: 6, 7, 6, 8, 7, 7, 9, 8, 7, 7 — breaks

EOB @ 122 ft

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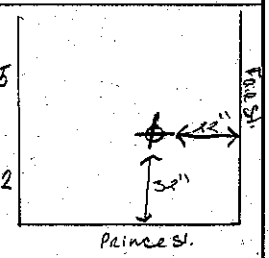
LOG OF BORING LEG-25 SHEET 1 OF 7

PROJECT 166-218 Myrtle Ave	PROJECT NO. 5762901
LOCATION Brooklyn, NY	ELEVATION AND DATUM EL +35 BPB (Hwy)
DRILLING AGENCY Craig Test Boring	DATE STARTED 4/25/07 / DATE FINISHED 4/26/07
DRILLING EQUIPMENT GUS Tech Brat 22R	COMPLETION DEPTH 112 / ROCK DEPTH 112
SIZE AND TYPE OF BIT 3 7/8" Tri cone Rollerbit	NO. SAMPLES DIST. 26 UNDIST. — CORE —
CASING 4" Steel Casing	WATER LEVEL FIRST — COMPL. — 24 HR. —
CASING HAMMER Donut WEIGHT 300 lbs DROP 24 in	FOREMAN Pat + Kyle
SAMPLER 2" OD split Spoon Sampler	INSPECTOR Marisa Gatzoulis
SAMPLER HAMMER Safety WEIGHT 140 lbs. DROP 30 in	

NYCBC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
11-65 FILL	brown m-f SAND, so gravel, so silt, tr brick, tr asphalt [FILL]	1	S1	SS	2	7 5	PID=1.5
	brown m-f SAND, so gravel, so brick, so silt [FILL]	2–3	S2	SS	2	3 4 5 6	PID=1.2
	brown m-f SAND, so gravel, so silt, tr brick [FILL]	4–5	S3	SS	2	13 15 25 18	PID=1.0
	brown m-f SAND, so gravel, so silt, tr brick [FILL]	6–7	S4	SS	2	19 20 21 19	PID=1.0
		8					
		9					
		10					
		11					
		12					
		13					
		14					



Soil sample LEG-25-0-4 at 11:30am

Hard drilling, possible old concrete building foundation from 8' – 20'. Could not take samples, drilled and put casing in.

Take S1 – S2 for env. testing.

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JOB NO. 5762901 DATE 4/25/07 LOG OF BORING NO. LEG-25 SHEET 2 OF 7

NYCBC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLS/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
11-65 FILL		14–15					
		16–17					
		18–19					
		20				13 18	
7-65 SAND	brown m-f SAND, tr m-f gravel, tr silt [SP]	21	S5	SS	2	16 17	Hard drilling thru fill material down to 35'
	brown m-f SAND, so gravel, tr silt [SP]	22–23	S6	SS	2	22 22 25 29	Take S5 – S10.
		24–25				23 36	
	GRAVEL, so m-f SAND, tr silt [SP]	26	S7	SS	2	28 30	Soil sample LEG25-27-30 at 12:00
	brown m-f SAND, so gravel, tr silt [SP]	27–28	S8	SS	2	22 23 25 28	Take S8 – S9 for env. testing
	brown m-f SAND, so gravel, so silt [SM]	29–30	S9	SS	2	23 35 29 30	
	brown m-f SAND, so gravel, so silt [SM] (wet)	31–32	S10	SS	2	23 40 35 29	NO PID readings

085100

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JOB NO. 5762901
DATE 4/25/07

LOG OF BORING NO. LEG-25

SHEET 3 OF 7

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		32					Rollerbit to 35' Take S11
		33					
		34					
	brown m-f SAND, so gravel, tr silt [SP]	35	S11	SS	6"	19 20 19 22	
		36					
		37					Rollerbit to 40' take S12
		38					
		39					
	brown m-f SAND, so m-f gravel, tr silt [SP]	40	S12	SS	5"	17 19 20 23	
		41					
		42					
7-65 SAND		43					Rollerbit to 45' take S13
		44					
		45					
	brown m-f SAND, tr m-f gravel, tr silt [SP]	46	S13	SS	10"	18 24 26 28	
		47					
		48					Rollerbit to 50' take S14
		49					
		50					NO PID readings

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JOB NO. 5762901
DATE 4/25/07 and 4/26/07

LOG OF BORING NO. LEG-25

SHEET 4 OF 7

NYCBC SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST BLS/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		50					
	brown m-f SAND, tr silt [SP]	51	S14	SS	11"	16 29 30 33	
		52					Rollerbit to 55' Take S15
		53					
		54					
		55					End of day on 4/25/07
	brown m-f SAND, tr silt, tr m-f gravel [SP]	56	S15	SS	14"	13 16 19 21	
		57					
		58					Rollerbit to 60' Take S16
		59					
7-65 SAND	brown m-f SAND, tr silt [SP]	60	S16	SS	12"	15 21 25 27	
		61					
		62					
		63					Rollerbit to 65' Take S17
		64					
		65					
	brown m-f SAND, tr silt [SP]	66	S17	SS	14"	16 21 25 28	
		67					Rollerbit to 70' Take S18
		68					

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NO PID readings

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JOB NO. 5762901
DATE 4/26/07

LOG OF BORING NO. LEG-25

SHEET 5 OF 7

NYCBC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLWS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		68					
		69					
	brown m-f SAND, tr silt [SP]	70				26	
		71	S18	SS	10"	43 45	
		72				50	
		73					Rollerbit to 75' Take S19
		74					
	brown m-f SAND, tr silt [SP]	75				33	
		76	S19	SS	10"	43 62	
7-65 SAND		77				70	
		78					Rollerbit to 80' Take S20
		79					
	brown m-f SAND, tr silt [SP]	80				21	
		81	S20	SS	18"	40 41	
		82				55	
		83					Rollerbit to 85' take S21
		84					
	brown m-f SAND, tr silt [SP]	85					
		86	S21	SS	12"	42 53	NO PID Readings

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JOB NO. 5762901
DATE 4/26/07

LOG OF BORING NO. LEG-25

SHEET 6 OF 7

NYCBC Symbol	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES: NO./LOC.	TYPE	RECOV. FT.	PENETR. RESIST. BLWS/IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		86					
		87	S21	SS	12"	60 65	
		88					Rollerbit to 90' Take S22
		89					
		90				43	
	brown m-f SAND, tr silt [SP]	91	S22	SS	16"	47 43	
		92				45	
		93					Rollerbit to 95' take S23
		94					
7-65 SAND	brown m-f SAND, tr silt [SP]	95				41	
		96	S23	SS	18"	47 55	
		97				60	
		98					Rollerbit to 100' Take S24
		99					
		100				45	
	brown m-f SAND, so m-f gravel, so clay, tr silt [SC]	101	S24	SS	20"	40 46	
		102				49	
		103					Rollerbit to 105' Take S25
		104					NO PID Readings

086100

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JOB NO. 5762901
DATE 4/26/07

LOG OF BORING NO. LEG-25
SHEET 7 OF 7

USCS SYMBOL	SAMPLE DESCRIPTION	DEPTH SCALE	SAMPLES NO. LOG.	TYPE	RECOV. FT.	PENETR. RESIST BLOWS/6 IN.	REMARKS (DRILLING FLUID, DEPTH OF CASING, CASING BLOWS, FLUID LOSS, ETC.)
		104					
		105					
	gray m-f SAND, so silt, so clay, so gravel [SC]	106	65	55	60	93 / 100/2	
		107					
		108					
		109					
		110					
	gray m-f SAND, so m-f gravel, so silt [SM]	111	56	55	60	95 / 100/2	
	← POSSIBLE TOP OF ROCK	112					Probable refusal @ 112 ft
	E.O.B. @ 112 ft	113					
		114					
		115					
		116					
		117					
		118					
		119					
		120					
		121					
		122					

7-05 SAND

086100

APPENDIX C

Project No.: 19684750 File: Indx1.xls

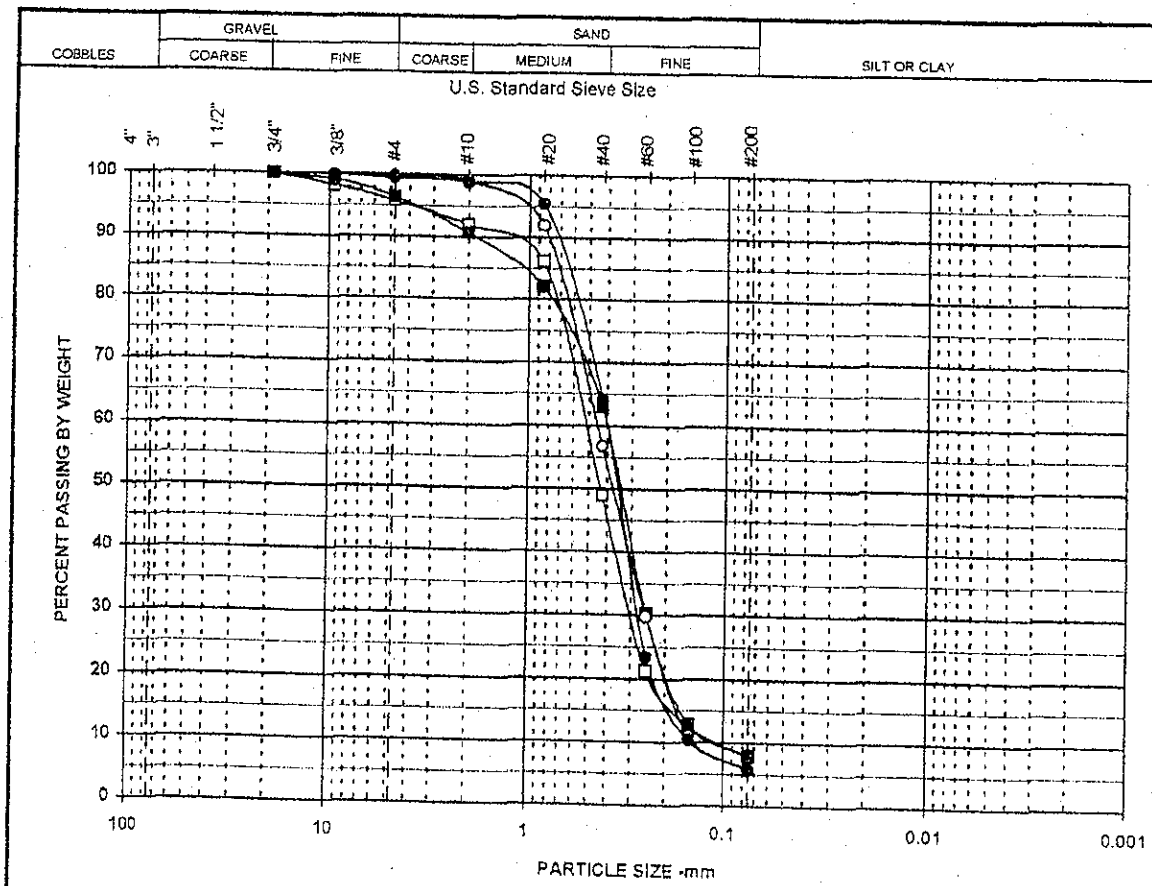
Myrtle Flatbush Ave.

LABORATORY TESTING DATA SUMMARY

BORING NO.	SAMPLE NO.	DEPTH (ft)	IDENTIFICATION TESTS						REMARKS
			WATER CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PLAS. IND.	USCS SYMB. (1)	SIEVE MINUS NO. 200 (%)	
B-3	S-5	20-22	8.6				SP-SM	7.8	TOWER
B-4	S-20	95-97	23.0	44	19	25	CL		TOWER
B-7	S-7	30-32	17.9				SP-SM	8.0	TOWER
B-10	S-17	80-82	18.5				SP-SM	5.7	
B-13	S-11	50-52	19.9				SP-SM	5.8	
B-14	S-4	15-17	21.1	26	17	9	CL		

Note: (1) USCS symbol based on visual observation unless Sieve and Atterberg limits reported.

Prepared by: RV Reviewed by: CMJ Date: 8/3/2005



SYMBOL	DESCRIPTION AND REMARKS
□	brown c-f SAND, trace f. gravel, silt.
■	brown c-f SAND, trace f. gravel, silt.
○	brown m-f SAND, trace silt.
●	brown m-f SAND, trace silt.

Symbol	□	■	○	●
Boring	B-3	B-7	B-10	B-13
Sample	S-5	S-7	S-17	S-11
Spec Depth	20-22	30-32	80-82	50-52
% +3"				
% Gravel	4.3	3.5	0.2	0.6
% SAND	87.9	88.5	94.1	93.6
% FINES	7.8	8.0	5.7	5.8
% -2u				
Cc	1.5	1.4	1.0	1.3
Cu	5.0	3.8	3.4	2.8
LL				
PL				
PI				
USCS	SP-SM	SP-SM	SP-SM	SP-SM
w (%)	8.6	17.9	18.5	19.9

Particle Size (Sieve #)	PERCENT FINER □	■	○	●
4"				
3"				
1 1/2"				
3/4"	100.0	100.0		
3/8"	98.2	99.1	100.0	100.0
4	95.7	96.5	99.8	99.4
10	92.1	90.7	99.1	98.9
20	86.1	82.1	92.0	95.5
40	49.0	63.0	56.8	64.1
60	21.3	30.3	29.8	23.5
100	12.5	12.8	11.1	10.4
200	7.8	8.0	5.7	5.8

PARTICLE SIZE DISTRIBUTION
Myrtle Flatbush Ave.

Project No.		
19684750	August 2005	Figure

URS Corporation

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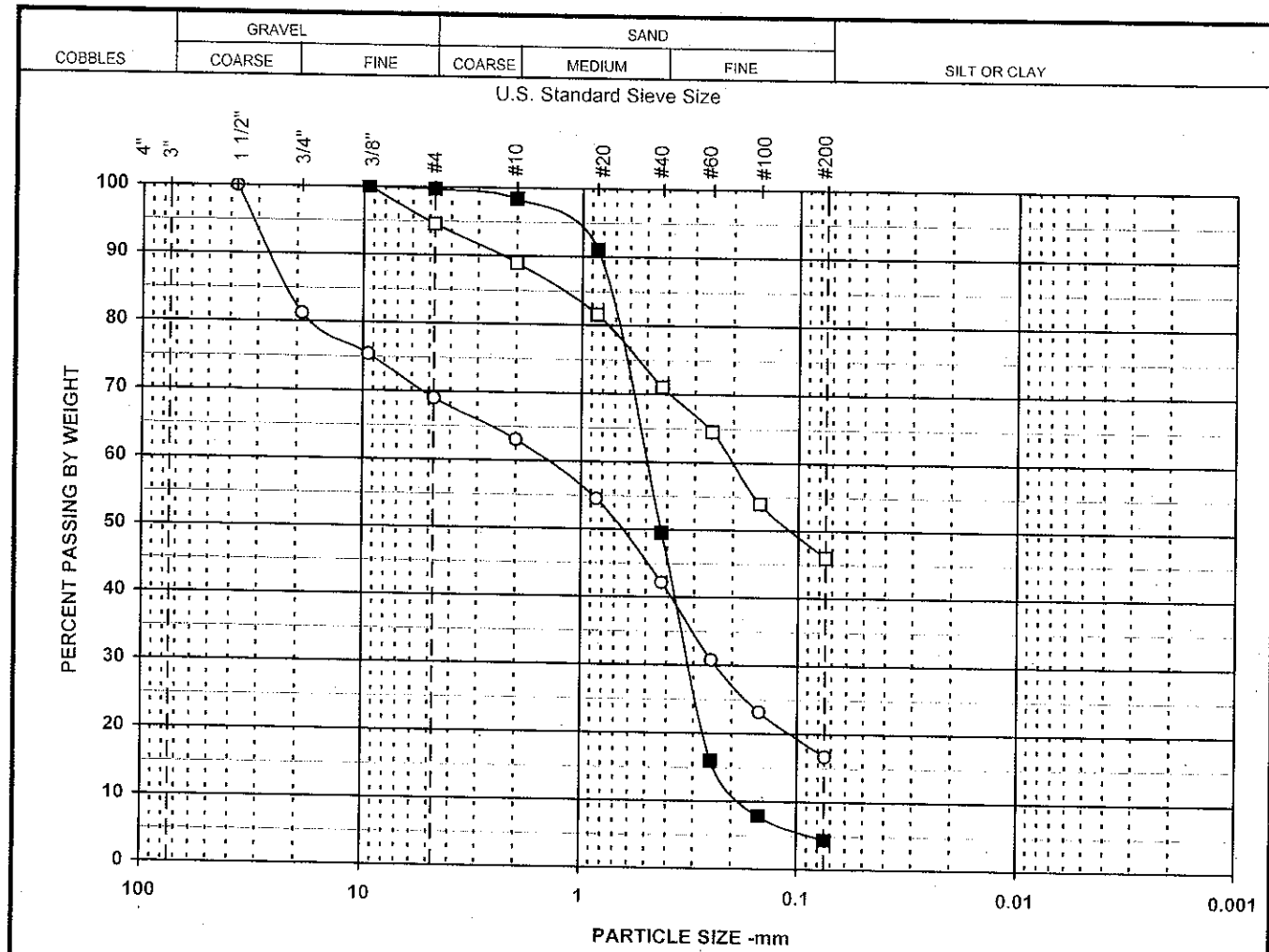
APPENDIX D

Langan #5762901
166-218 Myrtle Avenue
LABORATORY TESTING DATA SUMMARY

BORING NO.	SAMPLE NO.	DEPTH (ft)	IDENTIFICATION TESTS						REMARKS
			WATER CONTENT (%)	LIQUID LIMIT (-)	PLASTIC LIMIT (-)	PLAS. INDEX (-)	USCS SYMB. (1)	SIEVE MINUS NO. 200 (%)	
LEG-2	S-9	16-18	14.6	21	17	4	SC-SM	45.9	
LEG-3B	S-9,10	30-37	20.3				SP	4.3	
LEG-4	S-10,11	25-32	8.4				SM	16.7	
LEG-5	S-15	45-47	17.5				SP	3.8	
LEG-5	S-20	70-72	21.9				SP-SM	6.5	
LEG-7	S-14,15	35-42	20.3				SP	5.0	
LEG-7	S-21	70-72	21.6				SP-SM	6.5	
LEG-11	S-11,12,13	30-42	18.2				SP-SM	5.2	
LEG-11	S-20	75-77	19.7				SP-SM	5.3	
LEG-12	S-13,14	30-37	19.3				SP	4.6	
LEG-12	S-18,19	55-62	18.1				SP-SM	7.3	
LEG-13	S-14	45-47	21.0				SP-SM	10.5	
LEG-13	S-20	70-72	20.5				SM	20.0	
LEG-14	S-11,12	30-37	18.2				SP-SM	7.7	
LEG-14	S-16	55-57	18.0				SM	13.0	
LEG-15	S-20	70-72	21.4				SP-SM	10.6	
LEG-16	S-13	40-42	21.8				SP	4.7	
LEG-17	S-14,15	35-42	19.2				SP	4.4	
LEG-17	S-21	70-72	21.5				SP-SM	8.5	
LEG-18	S-11,12	25-32	15.6				SP	4.7	
LEG-20	S-11	40-42	26.5				SM	12.3	TOWER
LEG-20	S-16	65-67	17.0				SP-SM	9.4	TOWER
LEG-22A	S-15,16	35-42	18.3				SP-SM	5.5	TOWER
LEG-22A	S-22	70-72	19.8				SP-SM	5.2	TOWER
LEG-24	S-21	100-102	28.2	45	22	23	CL	92.6	TOWER
LEG-25	S-17	65-67	21.5				SP	4.7	TOWER
LG-3	S-14,15	55-62	20.6				SM	20.6	
LG-5C	S-16	70-72	19.1				SP-SM	6.1	
LG-7B	S-13	50-52	17.4				SP-SM	5.4	TOWER
LG-8	S-7,8	15-22	15.2				SM	18.2	TOWER

Note: (1) USCS symbol based on visual observation and Sieve and Atterberg limits reported.

Prepared by: JR Reviewed by: CM Date: 6/5/2007



SYMBOL	DESCRIPTION AND REMARKS
□	brown silty clayey c-f SAND, trace f. gravel.
■	brown m-f SAND, trace c. sand, silt.
○	brown gravelly c-f SAND, some silt.

Symbol	□	■	○
Boring	LEG-2	LEG-3B	LEG-4
Sample	S-9	S-9,10	S-10,11
Spec			
Depth	16-18	30-37	25-32
% +3"			
% Gravel	5.5	0.3	31.0
% SAND	48.6	95.4	52.3
% FINES	45.9	4.3	16.7
% -2μ			
Cc		1.1	
Cu		3.0	
LL	21		
PL	17		
PI	4		
USCS	SC-SM	SP	SM
w (%)	14.6	20.3	8.4

Particle Size	PERCENT FINER		
(Sieve #)	□	■	○
4"			
3"			
1 1/2"			100.0
3/4"			81.2
3/8"	100.0	100.0	75.4
4	94.5	99.7	69.0
10	89.0	98.4	63.1
20	81.6	91.0	54.5
40	71.0	49.5	42.1
60	64.5	15.9	30.8
100	53.9	7.9	23.2
200	45.9	4.3	16.7

PARTICLE SIZE DISTRIBUTION

Langan #5762901 - 166-218 Myrtle Ave.

Project No.		Figure
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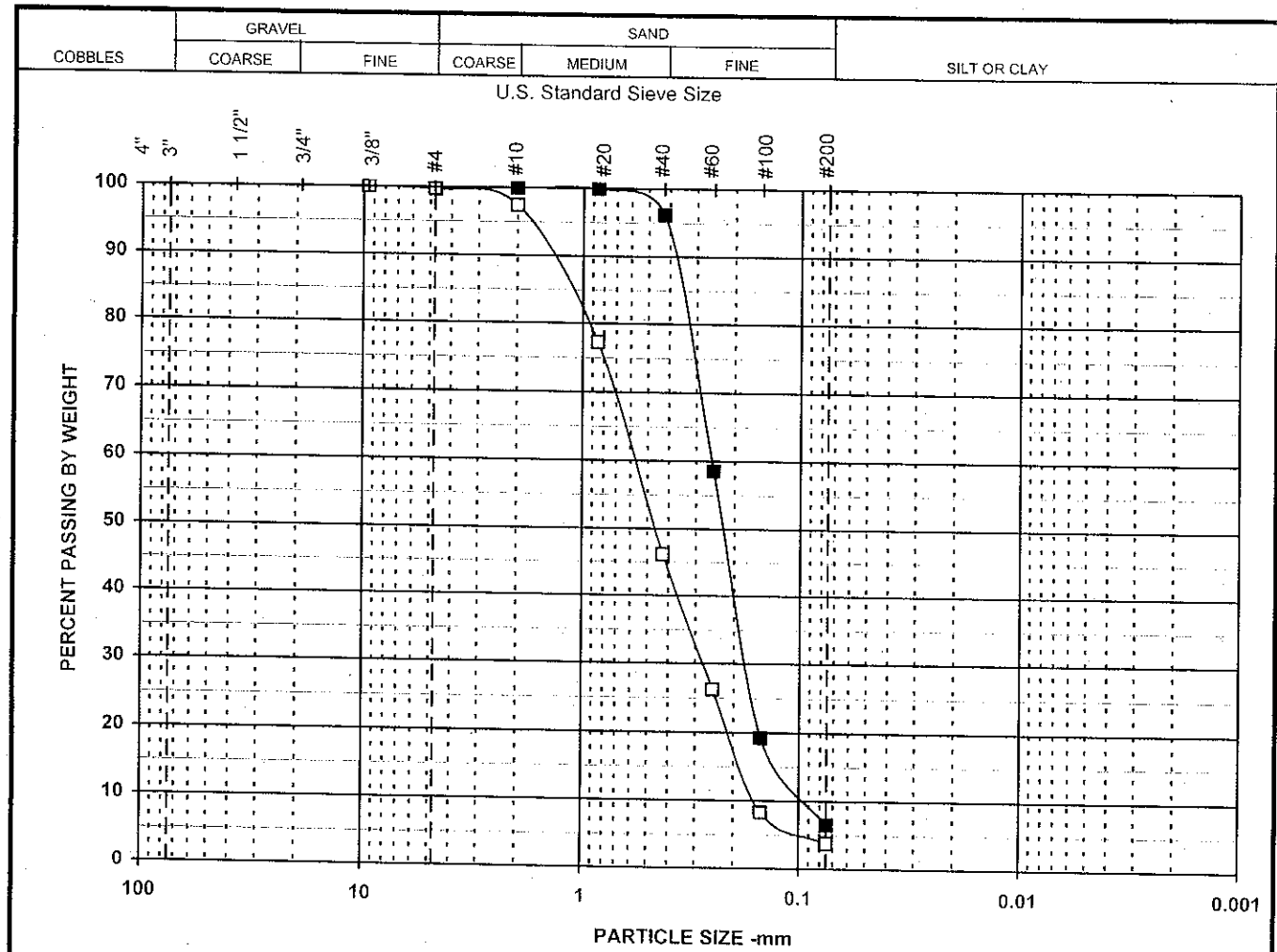

SYMBOL	DESCRIPTION AND REMARKS
□	brown m-f SAND, trace c. sand, silt.
■	light gray f. SAND, trace m. sand, silt.
○	

Symbol	□	■	○
Boring	LEG-5	LEG-5	
Sample	S-15	S-20	
Spec			
Depth	45-47	70-72	
% +3"			
% Gravel	0.3		
% SAND	95.9	93.5	
% FINES	3.8	6.5	
% -2μ			
Cc	0.8	1.3	
Cu	3.9	2.7	
LL			
PL			
PI			
USCS	SP	SP-SM	
w (%)	17.5	21.9	

Particle Size (Sieve #)	PERCENT FINER □	■	○
4"			
3"			
1 1/2"			
3/4"			
3/8"	100.0		
4	99.7		
10	97.5	100.0	
20	77.2	99.9	
40	46.1	96.2	
60	26.2	58.5	
100	8.3	19.2	
200	3.8	6.5	

PARTICLE SIZE DISTRIBUTION

Langan #5762901 - 166-218 Myrtle Ave.

Project No.		Figure
31737700-743	June 2007	

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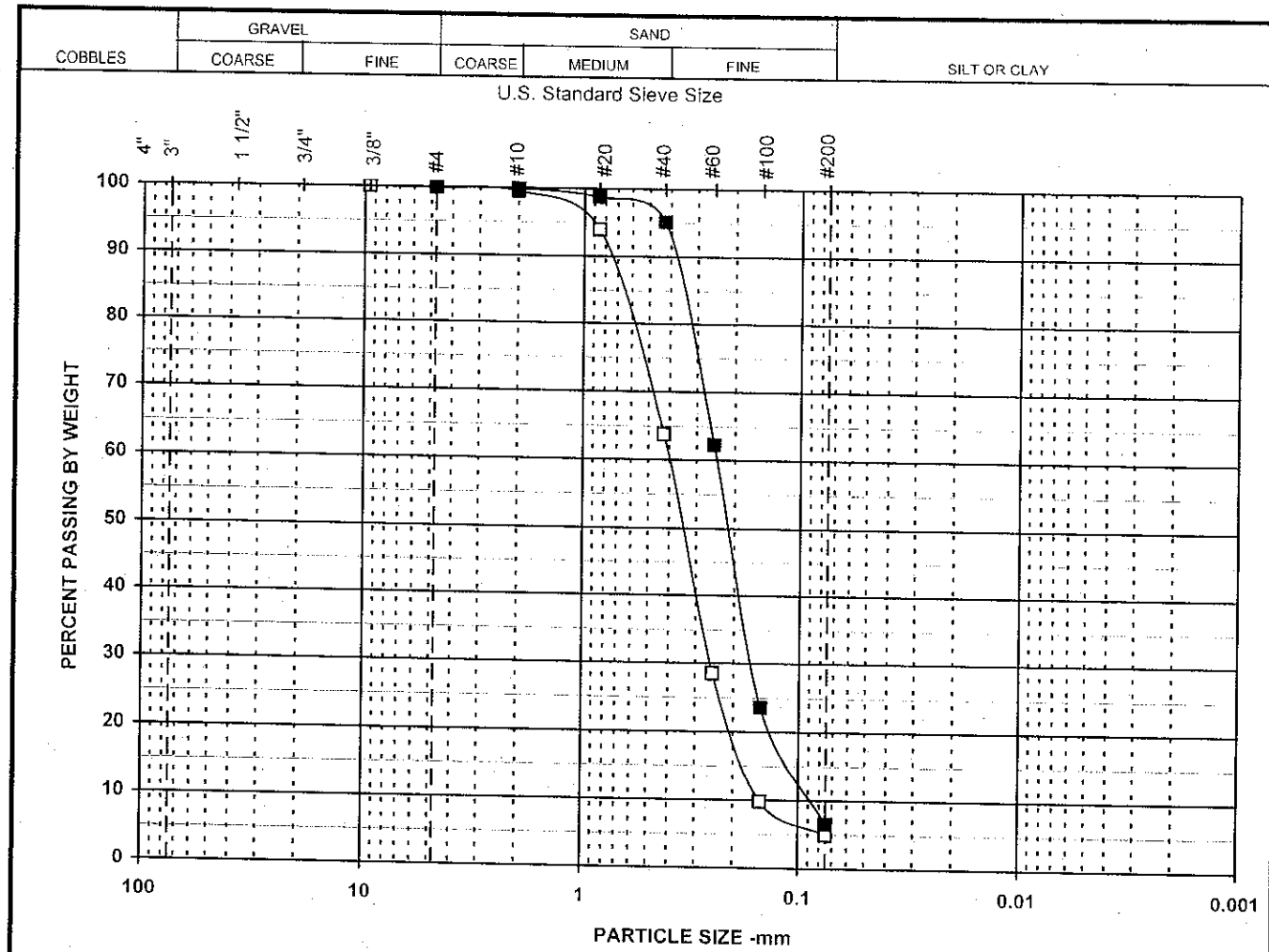

SYMBOL	DESCRIPTION AND REMARKS
□	brown m-f SAND, trace silt.
■	brown f. SAND, trace m. sand, silt.
○	

Symbol	□	■	○
Boring	LEG-7	LEG-7	
Sample	S-14,15	S-21	
Spec			
Depth	35-42	70-72	
% +3"			
% Gravel	0.1		
% SAND	94.9	93.5	
% FINES	5.0	6.5	
% -2μ			
Cc	1.1	1.3	
Cu	2.7	2.7	
LL			
PL			
PI			
USCS	SP	SP-SM	
w (%)	20.3	21.6	

Particle Size (Sieve #)	PERCENT FINER □	■	○
4"			
3"			
1 1/2"			
3/4"			
3/8"	100.0		
4	99.9	100.0	
10	99.5	99.9	
20	93.9	98.8	
40	63.8	95.1	
60	28.5	62.3	
100	9.8	23.5	
200	5.0	6.5	

PARTICLE SIZE DISTRIBUTION

Langan #5762901 - 166-218 Myrtle Ave.

Project No.		Figure
31737700-743	June 2007	

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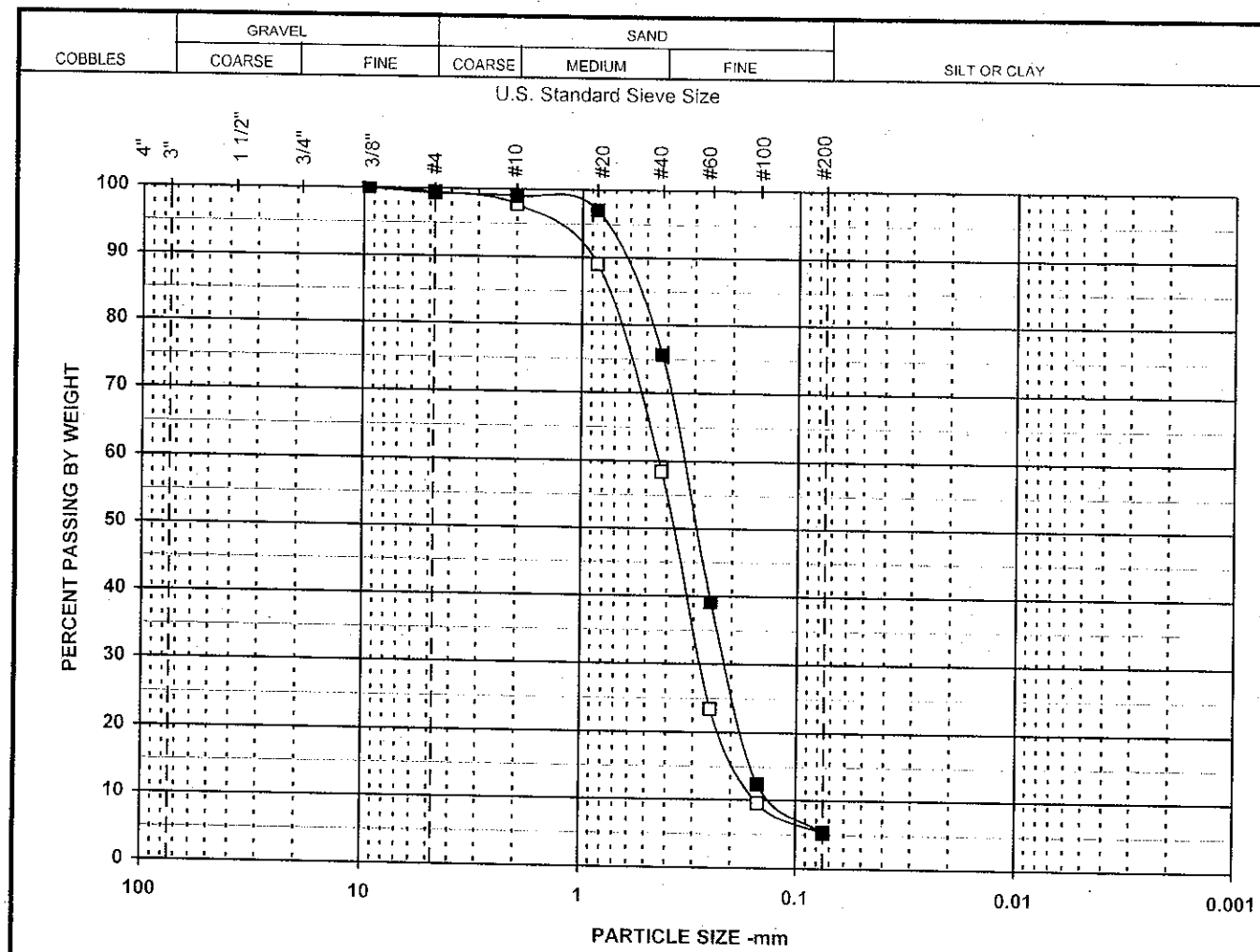

SYMBOL	DESCRIPTION AND REMARKS
□	brown m-f SAND, trace c. sand, silt.
■	dark gray m-f SAND, trace silt.
○	

Symbol	□	■	○
Boring	LEG-11	LEG-11	
Sample	S-11,12,13	S-20	
Spec			
Depth	30-42	75-77	
% +3"			
% Gravel	0.6	0.7	
% SAND	94.2	94.0	
% FINES	5.2	5.3	
% -2μ			
Cc	1.2	1.1	
Cu	2.9	2.8	
LL			
PL			
PI			
USCS	SP-SM	SP-SM	
w (%)	18.2	19.7	

Particle Size	PERCENT FINER		
(Sieve #)	□	■	○
4"			
3"			
1 1/2"			
3/4"			
3/8"	100.0	100.0	
4	99.4	99.3	
10	97.8	99.0	
20	89.0	97.0	
40	58.4	75.6	
60	23.4	39.1	
100	9.6	12.3	
200	5.2	5.3	

PARTICLE SIZE DISTRIBUTION

Langan #5762901 - 166-218 Myrtle Ave.

Project No.		Figure
31737700-743	June 2007	

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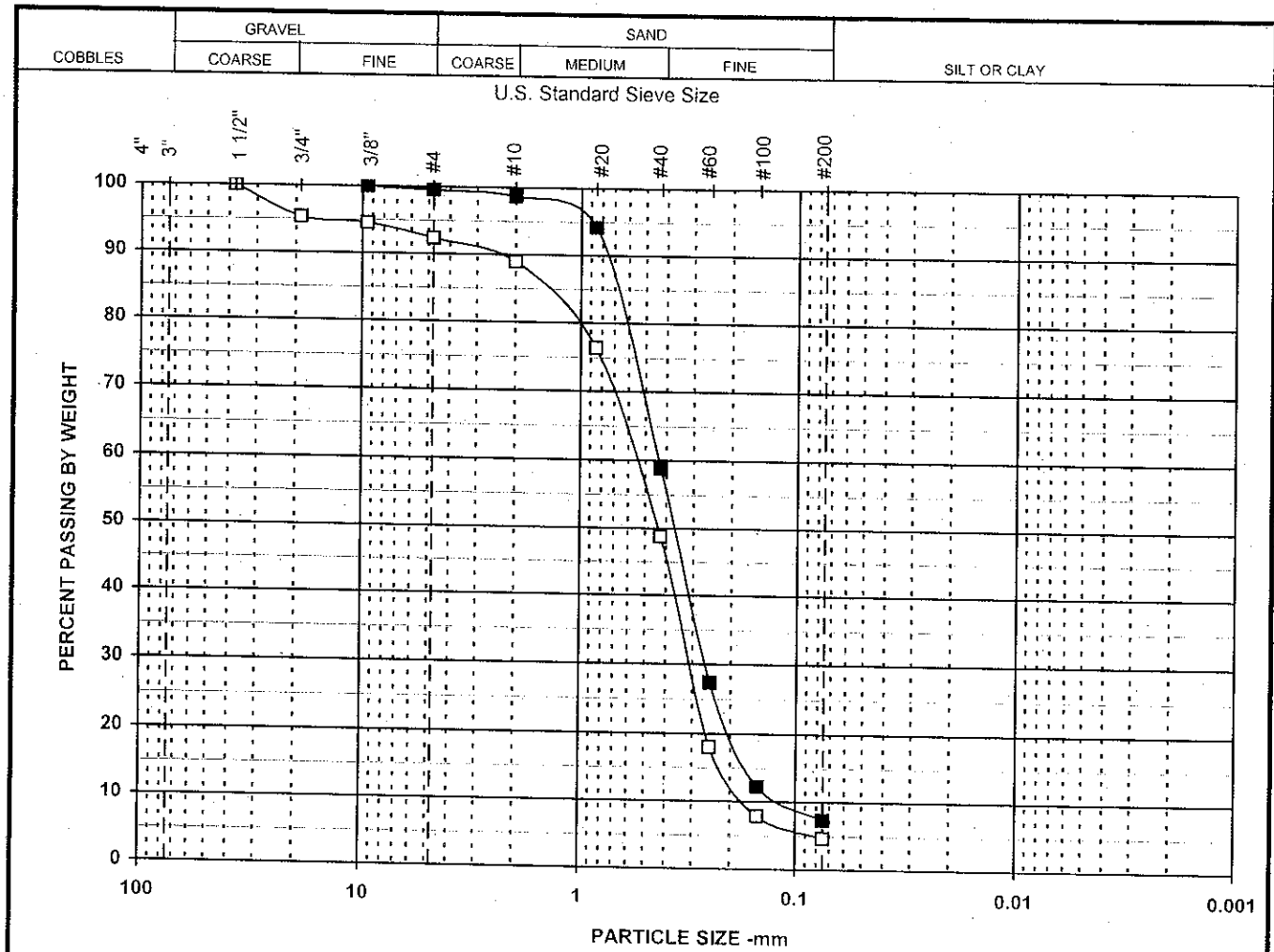

SYMBOL	DESCRIPTION AND REMARKS
□	brown c-f SAND, trace gravel, silt.
■	gray m-f SAND, trace c. sand, silt.
○	

Symbol	□	■	○
Boring	LEG-12	LEG-12	
Sample	S-13, 14	S-18, 19	
Spec Depth	30-37	55-62	
% +3"			
% Gravel	7.7	0.5	
% SAND	87.7	92.2	
% FINES	4.6	7.3	
% -2μ			
Cc	1.0	1.4	
Cu	3.5	3.8	
LL			
PL			
PI			
USCS	SP	SP-SM	
w (%)	19.3	18.1	

Particle Size (Sieve #)	PERCENT FINER □	■	○
4"			
3"			
1 1/2"	100.0		
3/4"	95.4		
3/8"	94.5	100.0	
4	92.3	99.5	
10	88.9	98.7	
20	76.4	94.2	
40	48.7	58.8	
60	18.1	27.4	
100	7.9	12.2	
200	4.6	7.3	

PARTICLE SIZE DISTRIBUTION

Langan #5762901 - 166-218 Myrtle Ave.

Project No.		Figure
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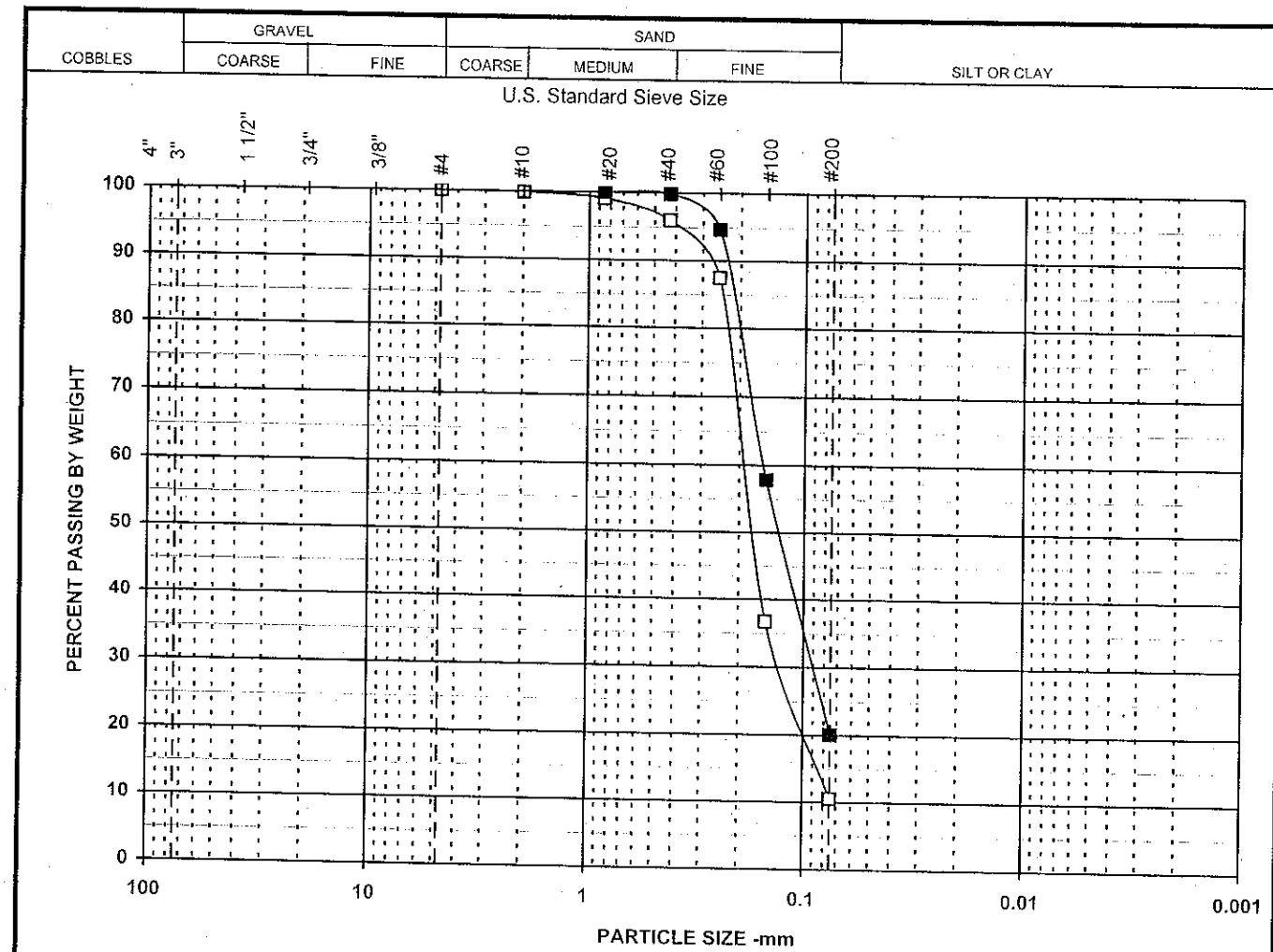

SYMBOL	DESCRIPTION AND REMARKS
□	brown f. SAND, trace m. sand, silt.
■	brown f. SAND, some silt.
○	

Symbol	□	■	○
Boring	LEG-13	LEG-13	
Sample	S-14	S-20	
Spec			
Depth	45-47	70-72	
% +3"			
% Gravel			
% SAND	89.5	80.0	
% FINES	10.5	20.0	
% -2μ			
Cc	1.2		
Cu	2.7		
LL			
PL			
PI			
USCS	SP-SM	SM	
w (%)	21.0	20.5	

Particle Size (Sieve #)	PERCENT FINER □	■	○
4"			
3"			
1 1/2"			
3/4"			
3/8"			
4	100.0		
10	99.9		
20	99.1	100.0	
40	96.0	99.8	
60	87.4	94.6	
100	36.7	57.8	
200	10.5	20.0	

PARTICLE SIZE DISTRIBUTION

Langan #5762901 - 166-218 Myrtle Ave.

Project No.		Figure
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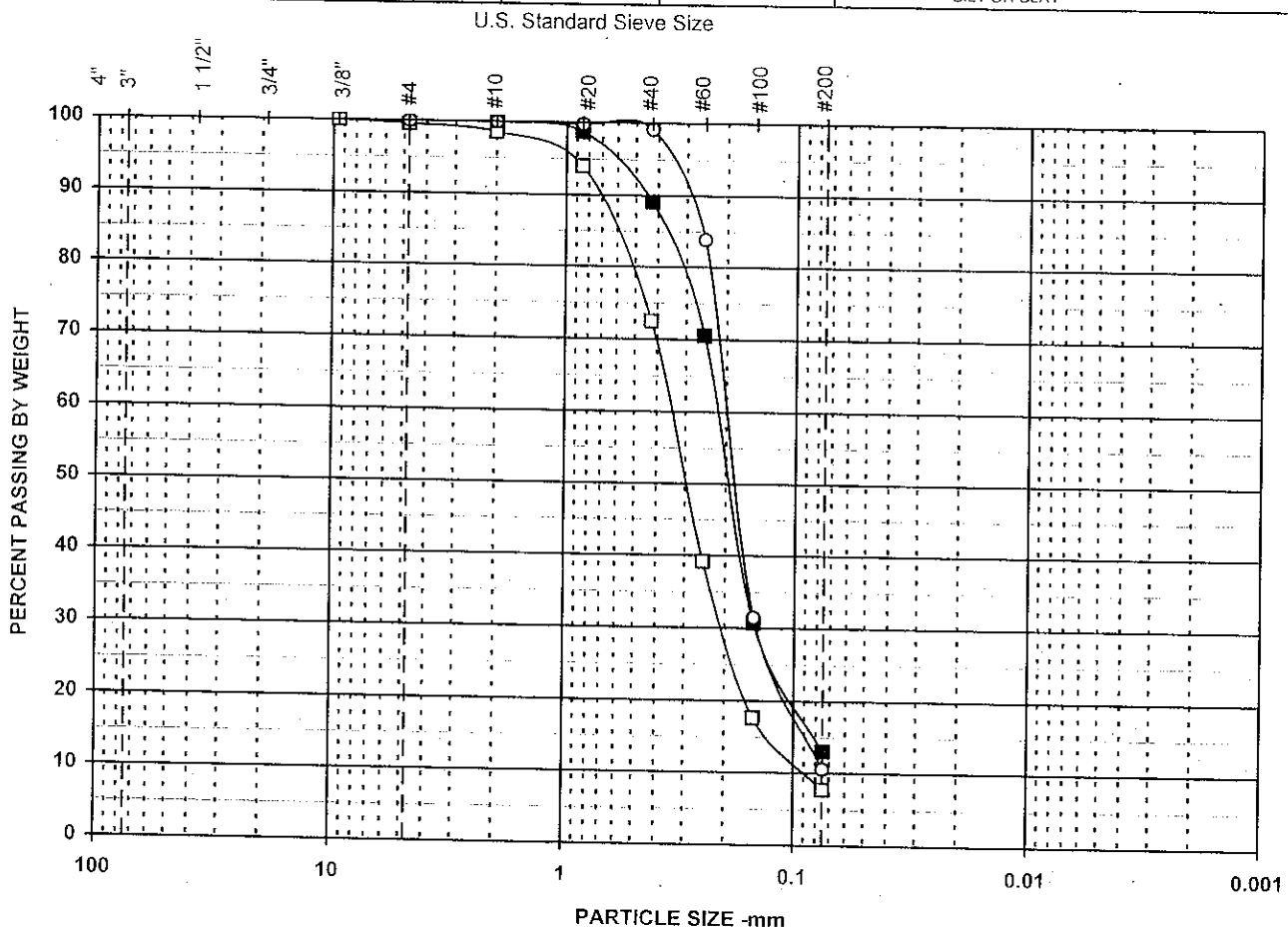

SYMBOL	DESCRIPTION AND REMARKS
□	brown c-f SAND, trace silt.
■	light brown m-f SAND, some silt.
○	light brown f. SAND, trace silt.

Symbol	□	■	○
Boring	LEG-14	LEG-14	LEG-15
Sample	S-11,12	S-16	S-20
Spec			
Depth	30-37	55-57	70-72
% +3"			
% Gravel	0.5		
% SAND	91.8	87.0	89.4
% FINES	7.7	13.0	10.6
% -2μ			
Cc	1.3		1.4
Cu	3.9		2.8
LL			
PL			
PI			
USCS	SP-SM	SM	SP-SM
w (%)	18.2	18.0	21.4

Particle Size	PERCENT FINER		
(Sieve #)	□	■	○
4"			
3"			
1 1/2"			
3/4"			
3/8"	100.0		
4	99.5		100.0
10	98.6	100.0	99.9
20	94.0	98.7	99.8
40	72.5	89.0	99.1
60	39.2	70.5	83.8
100	17.6	30.7	31.4
200	7.7	13.0	10.6

PARTICLE SIZE DISTRIBUTION

Langan #5762901 - 166-218 Myrtle Ave.

Project No.		Figure
31737700-743	June 2007	

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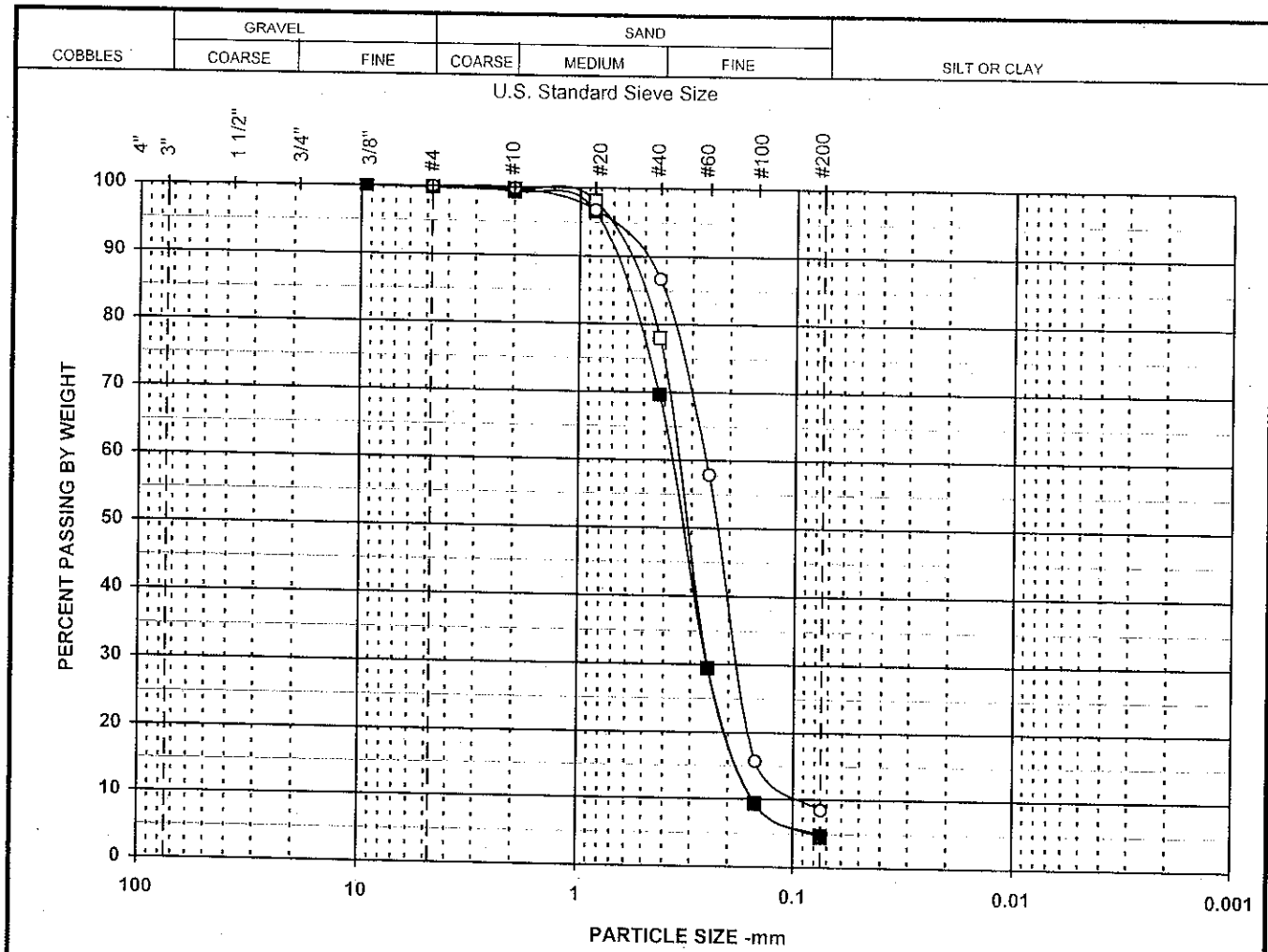

Symbol	□	■	○
Boring	LEG-16	LEG-17	LEG-17
Sample	S-13	S-14,15	S-21
Spec			
Depth	40-42	35-42	70-72
% +3"			
% Gravel		0.2	
% SAND	95.3	95.4	91.5
% FINES	4.7	4.4	8.5
% -2μ			
Cc	1.1	1.1	1.4
Cu	2.3	2.5	2.9
LL			
PL			
PI			
USCS	SP	SP	SP-SM
w (%)	21.8	19.2	21.5

Particle Size (Sieve #)	PERCENT FINER □	■	○
4"			
3"			
1 1/2"			
3/4"			
3/8"		100.0	
4	100.0	99.8	100.0
10	99.7	99.3	99.8
20	98.1	96.6	96.8
40	78.0	69.6	86.7
60	29.4	29.4	57.9
100	9.3	9.4	15.7
200	4.7	4.4	8.5

SYMBOL	DESCRIPTION AND REMARKS
□	brown m-f SAND, trace silt.
■	brown m-f SAND, trace silt.
○	light gray m-f SAND, trace silt.

PARTICLE SIZE DISTRIBUTION

Langan #5762901 - 166-218 Myrtle Ave.

Project No.		
31737700-743	June 2007	Figure

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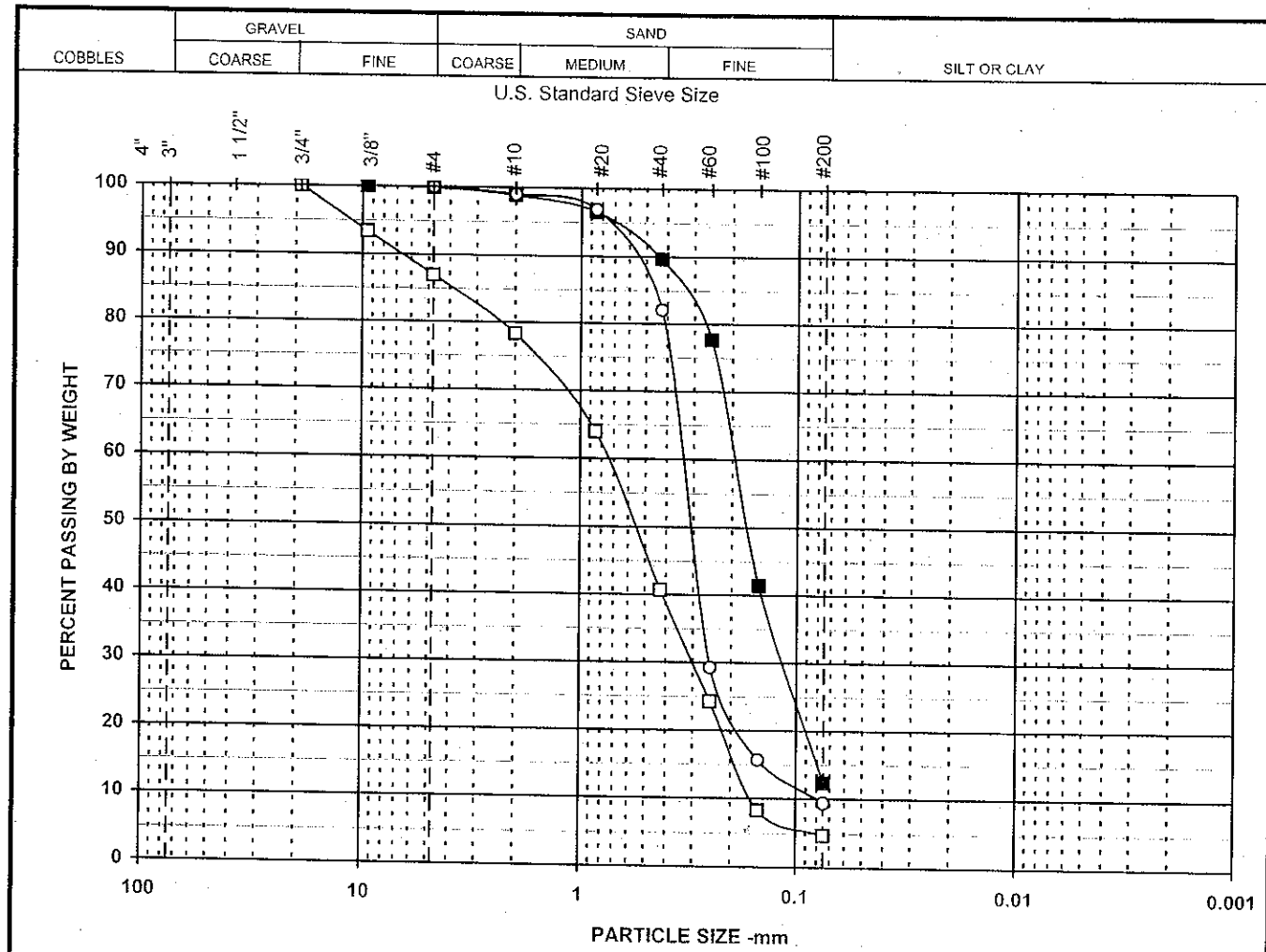

SYMBOL	DESCRIPTION AND REMARKS
□	brown c-f SAND, some f. gravel, trace silt.
■	reddish brown c-f SAND, some silt.
○	light brown c-f SAND, trace silt.

Symbol	□	■	○
Boring	LEG-18	LEG-20	LEG-20
Sample	S-11,12	S-11	S-16
Spec Depth	25-32	40-42	65-67
% +3"			
% Gravel	13.1	0.1	
% SAND	82.2	87.6	90.6
% FINES	4.7	12.3	9.4
% -2μ			
Cc	0.8		2.2
Cu	4.8		4.3
LL			
PL			
PI			
USCS	SP	SM	SP-SM
w (%)	15.6	26.5	17.0

Particle Size (Sieve #)	PERCENT FINER □	■	○
4"			
3"			
1 1/2"			
3/4"	100.0		
3/8"	93.4	100.0	
4	86.9	99.9	100.0
10	78.3	98.9	99.0
20	64.0	96.6	96.9
40	40.7	89.6	82.1
60	24.3	77.6	29.3
100	8.3	41.4	15.7
200	4.7	12.3	9.4

PARTICLE SIZE DISTRIBUTION

Langan #5762901 - 166-218 Myrtle Ave.

Project No.		Figure
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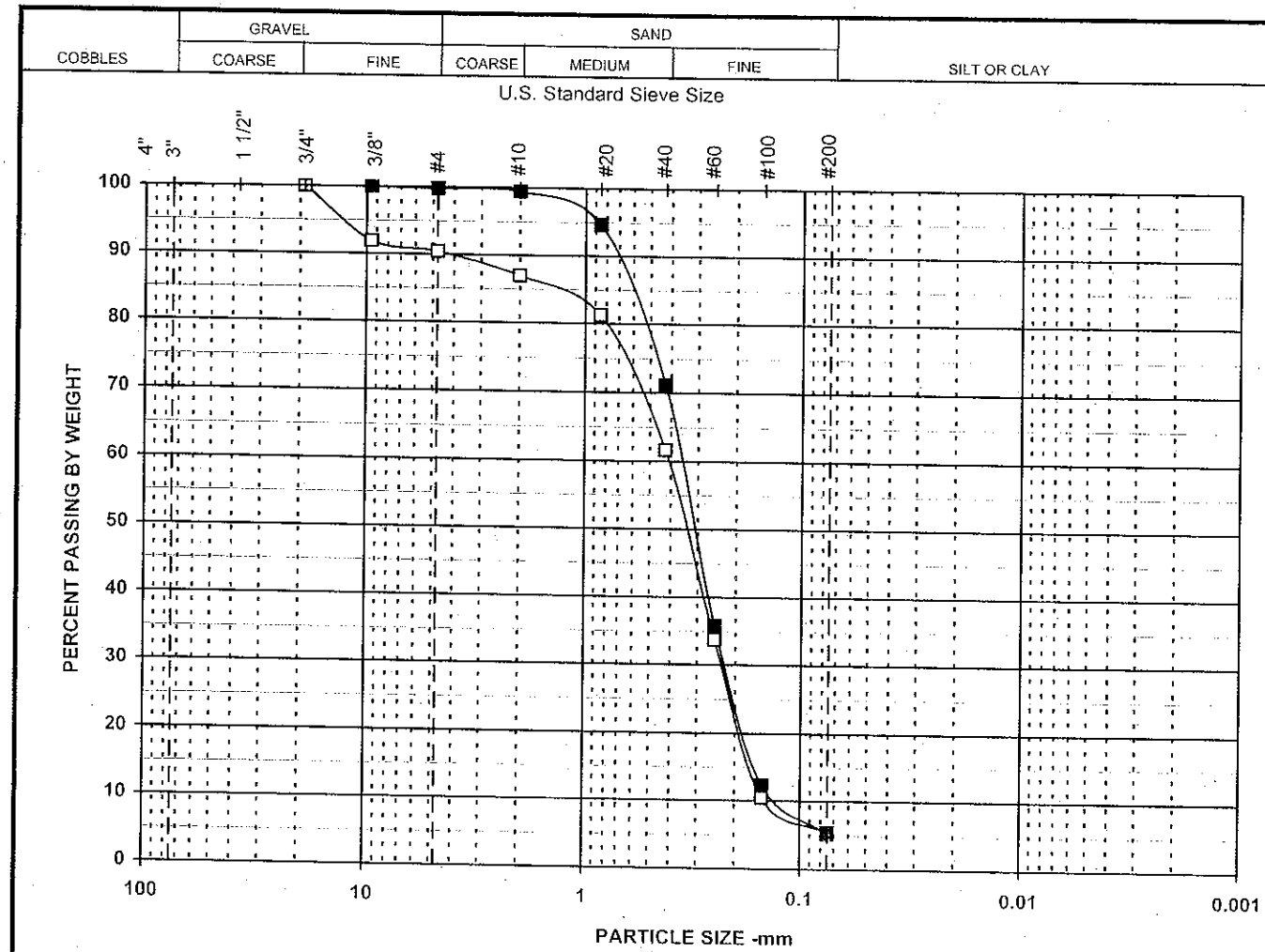

SYMBOL	DESCRIPTION AND REMARKS
□	brown c-f SAND, trace f. gravel, silt.
■	brown m-f SAND, trace silt.
○	

Symbol	□	■	○
Boring	LEG-22A	LEG-22A	
Sample	S-15,16	S-22	
Spec			
Depth	35-42	70-72	
% +3"			
% Gravel	9.6	0.3	
% SAND	84.9	94.5	
% FINES	5.5	5.2	
% -2μ			
Cc	0.9	1.1	
Cu	2.9	2.9	
LL			
PL			
PI			
USCS	SP-SM	SP-SM	
w (%)	18.3	19.8	

Particle Size (Sieve #)	PERCENT FINER □	■	○
4"			
3"			
1 1/2"			
3/4"	100.0		
3/8"	91.9	100.0	
4	90.4	99.7	
10	87.0	99.4	
20	81.2	94.6	
40	61.6	71.1	
60	33.7	35.7	
100	10.5	12.3	
200	5.5	5.2	

PARTICLE SIZE DISTRIBUTION

Langan #5762901 - 166-218 Myrtle Ave.

Project No.		Figure
31737700-743	June 2007	

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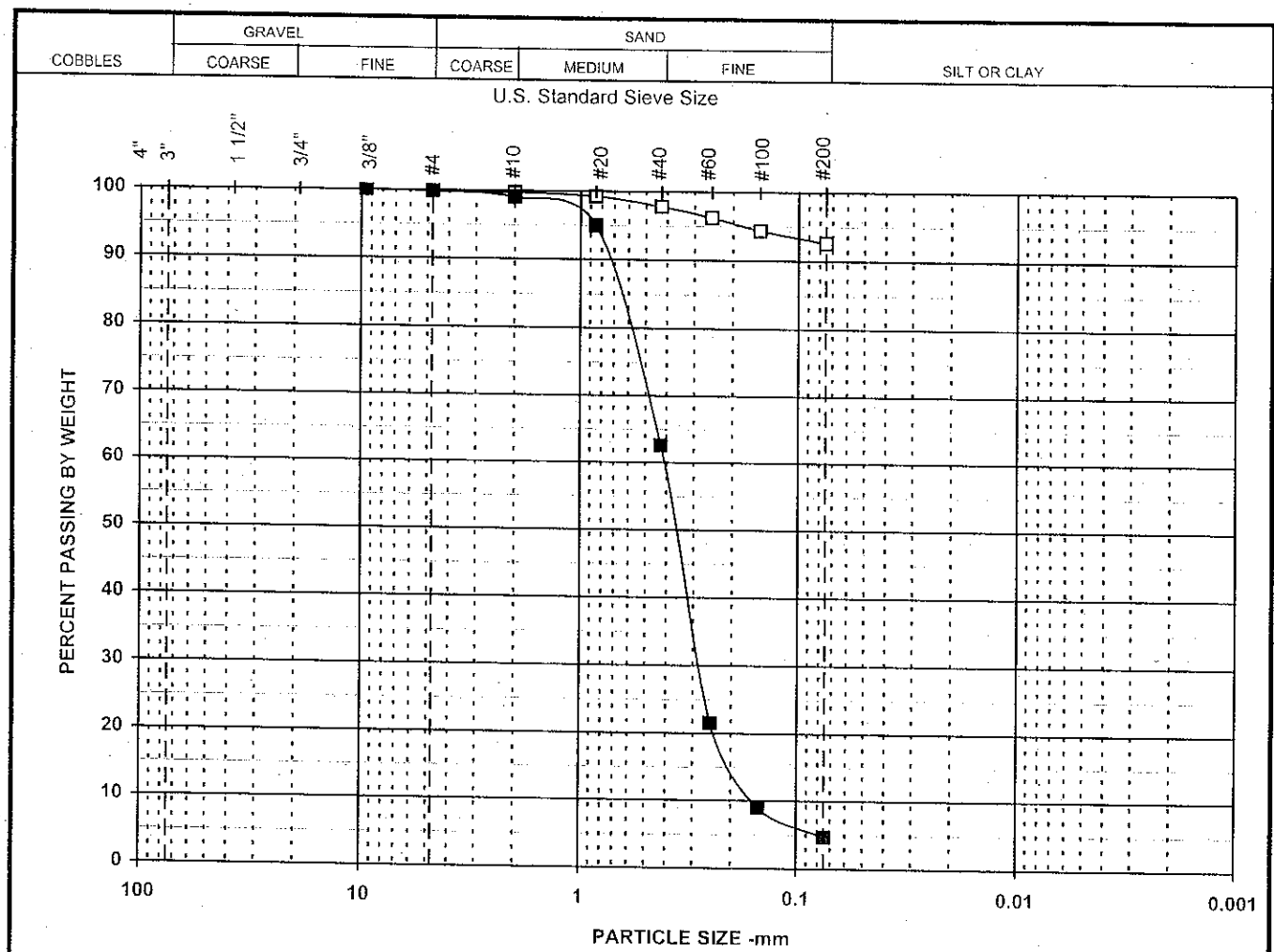

SYMBOL	DESCRIPTION AND REMARKS
□	dark gray CLAY, trace f. sand.
■	light gray m-f SAND, trace silt.
○	

Symbol	□	■	○
Boring	LEG-24	LEG-25	
Sample	S-21	S-17	
Spec			
Depth	100-102	65-67	
% +3"			
% Gravel		0.2	
% SAND	7.4	95.1	
% FINES	92.6	4.7	
% -2μ			
Cc		1.3	
Cu		2.6	
LL	45		
PL	22		
PI	23		
USCS	CL	SP	
w (%)	28.2	21.5	

Particle Size	PERCENT FINER		
(Sieve #)	□	■	○
4"			
3"			
1 1/2"			
3/4"			
3/8"		100.0	
4	100.0	99.8	
10	99.7	99.0	
20	99.3	94.9	
40	97.8	62.6	
60	96.2	21.5	
100	94.4	9.0	
200	92.6	4.7	

PARTICLE SIZE DISTRIBUTION

Langan #5762901 - 166-218 Myrtle Ave.

Project No.		Figure
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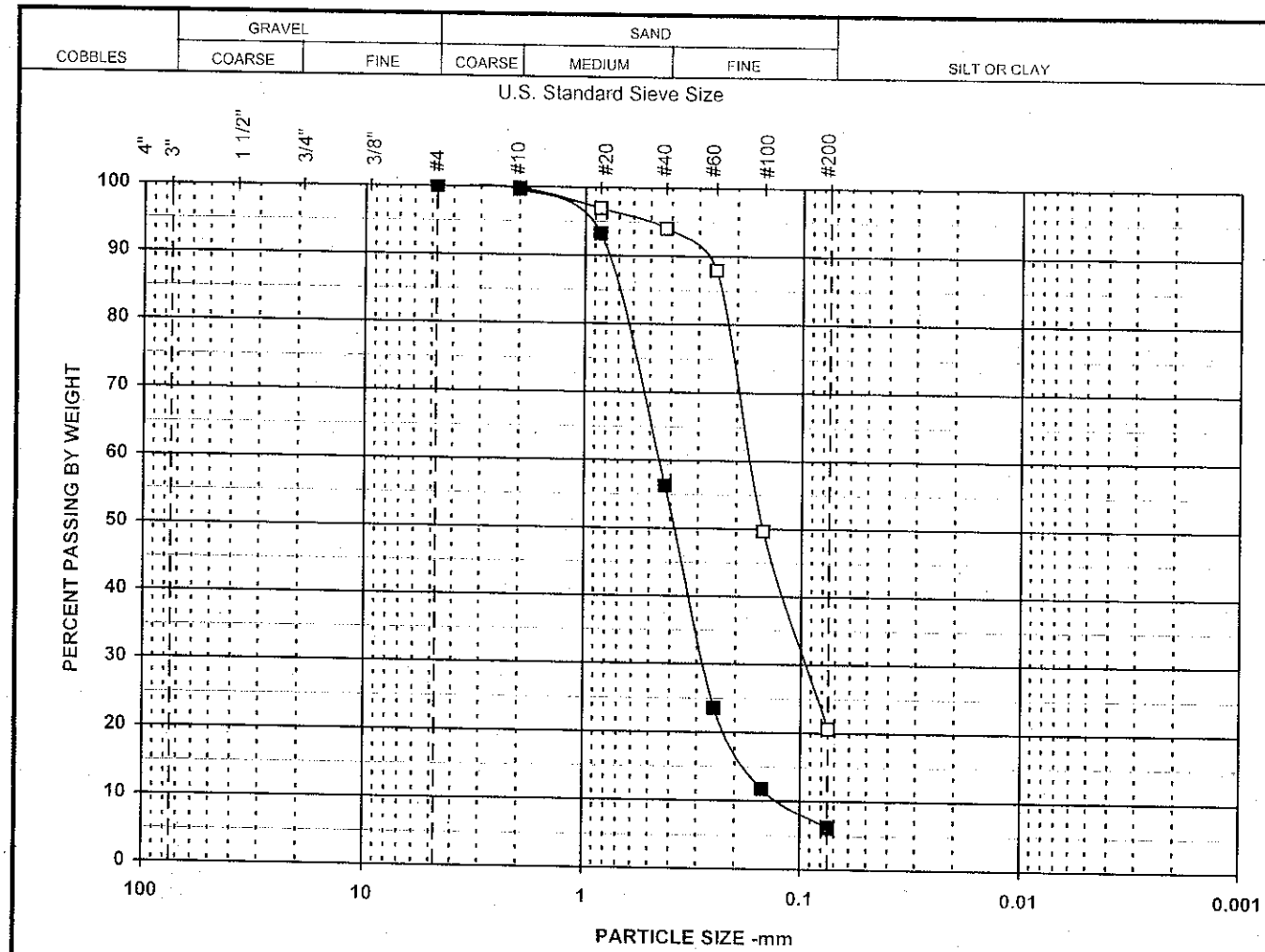


SYMBOL	DESCRIPTION AND REMARKS
□	reddish brown f. SAND, some silt, trace m. sand.
■	light brown m-f SAND, trace silt.
○	

Symbol	□	■	○
Boring	LG-3	LG-5C	
Sample	S-14,15	S-16	
Spec			
Depth	55-62	70-72	
% +3"			
% Gravel			
% SAND	79.4	93.9	
% FINES	20.6	6.1	
% -2μ			
Cc		1.4	
Cu		3.7	
LL			
PL			
PI			
USCS	SM	SP-SM	
w (%)	20.6	19.1	

Particle Size (Sieve #)	PERCENT FINER □	■	○
4"			
3"			
1 1/2"			
3/4"			
3/8"			
4	100.0	100.0	
10	99.8	99.6	
20	96.9	93.2	
40	94.0	56.2	
60	87.9	23.6	
100	49.6	11.8	
200	20.6	6.1	

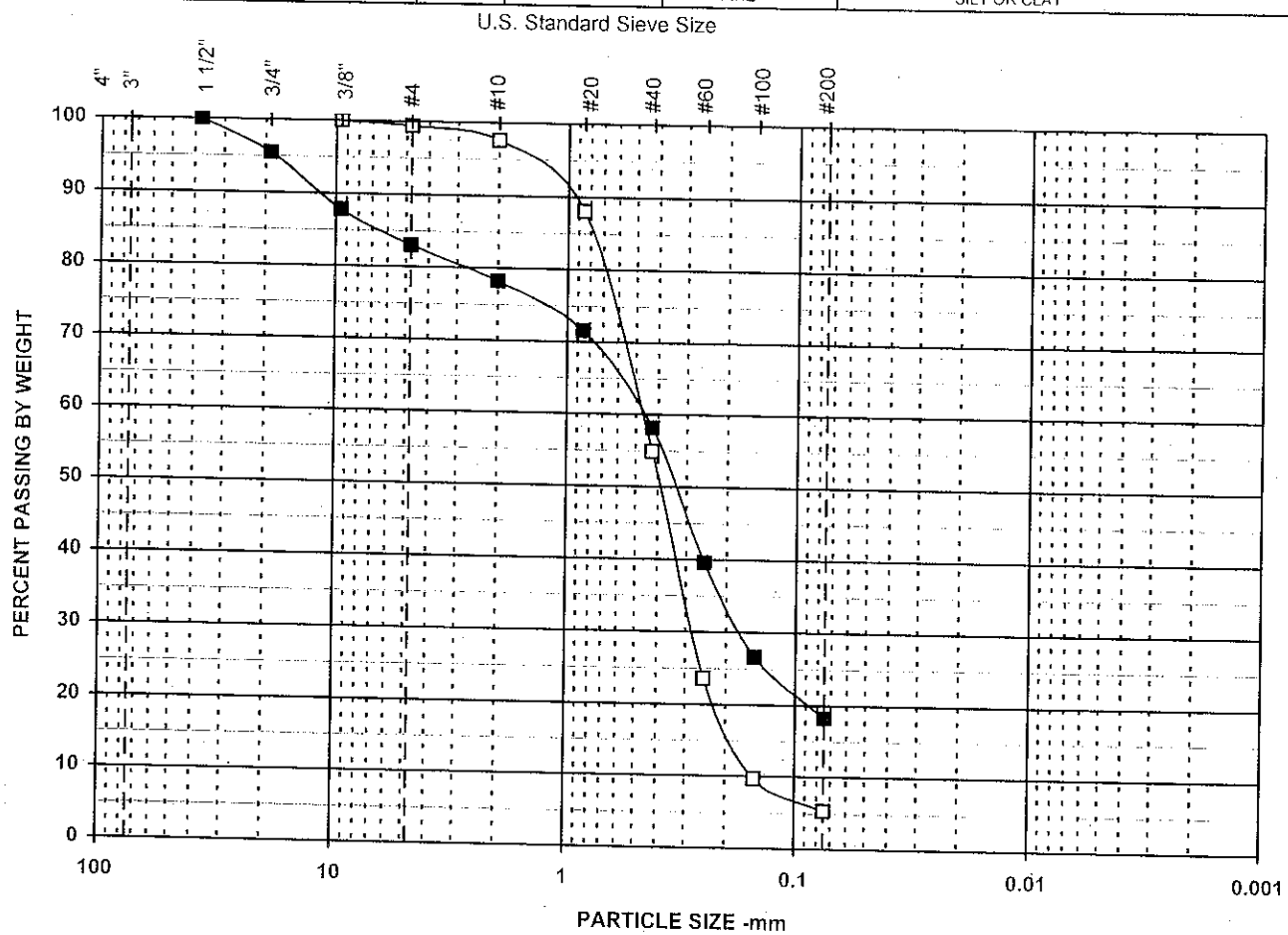
PARTICLE SIZE DISTRIBUTION

Langan #5762901 - 166-218 Myrtle Ave.

Project No.		Figure
31737700-743	June 2007	

Geotesting Services, Inc.

siev1l.xls 6/5/2007



SYMBOL	DESCRIPTION AND REMARKS
□	brown c-f SAND, trace silt.
■	brown c-f SAND, some gravel, silt.
○	

Symbol	□	■	○
Boring	LG-7B	LG-8	
Sample	S-13	S-7,8	
Spec			
Depth	50-52	15-22	
% +3"			
% Gravel	0.6	17.0	
% SAND	94.0	64.8	
% FINES	5.4	18.2	
% -2μ			
Cc	1.1		
Cu	3.2		
LL			
PL			
PI			
USCS	SP-SM	SM	
w (%)	17.4	15.2	

Particle Size	PERCENT FINER		
(Sieve #)	□	■	○
4"			
3"			
1 1/2"		100.0	
3/4"		95.5	
3/8"	100.0	87.8	
4	99.4	83.0	
10	97.6	78.2	
20	88.0	71.5	
40	54.9	58.2	
60	23.6	39.6	
100	9.8	26.6	
200	5.4	18.2	

PARTICLE SIZE DISTRIBUTION

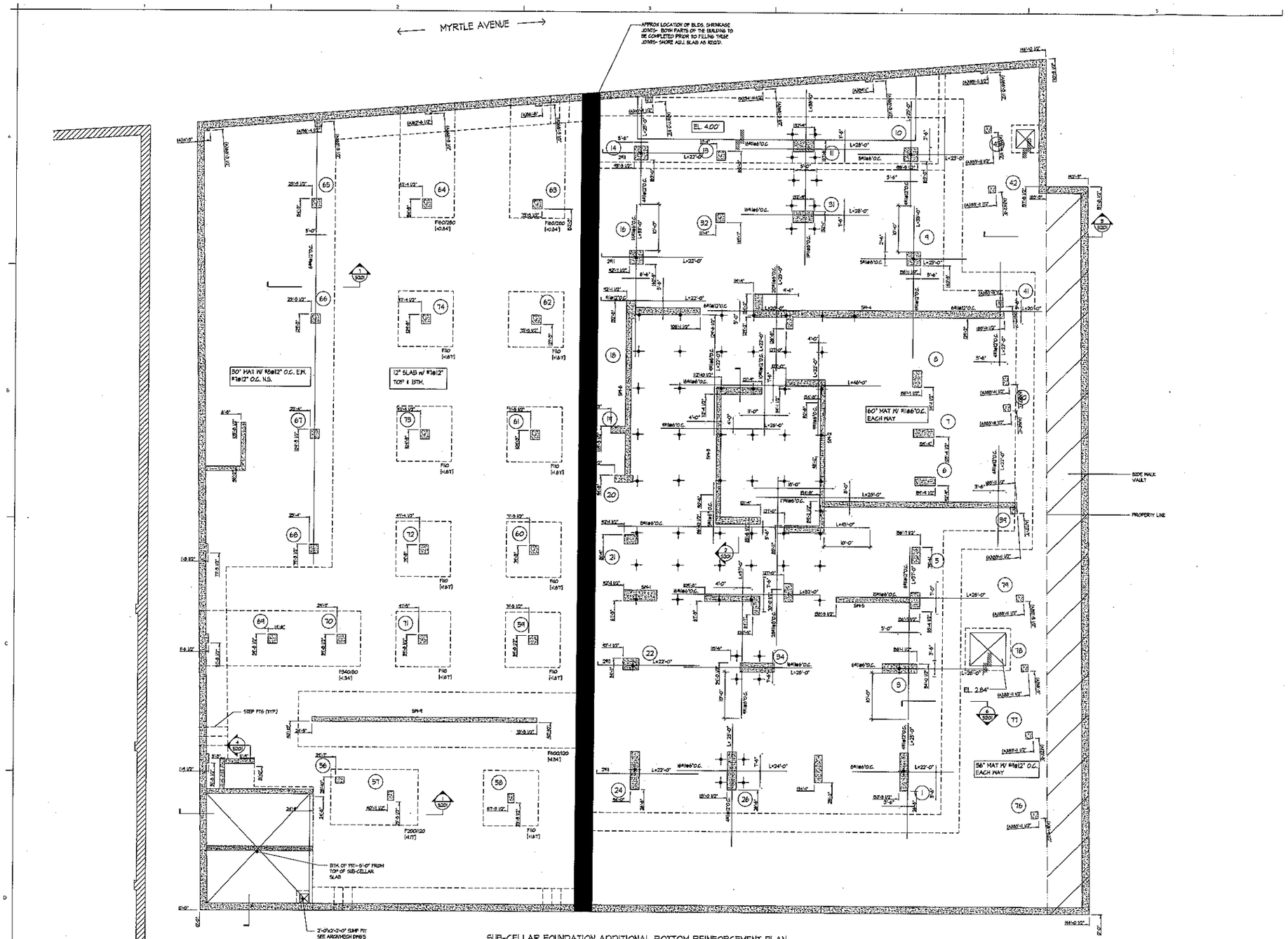
Langan #5762901 - 166-218 Myrtle Ave.

Project No.		Figure
31737700-743	June 2007	

Geotesting Services, Inc.

siev1m.xls 6/4/2007

APPENDIX E



SUB-CELLAR FOUNDATION ADDITIONAL BOTTOM REINFORCEMENT PLAN

1/8" = 1'-0"

NOTES:

1. TOP OF CONCRETE MAT/SLAB ELEVATION SHOWN THUS 5.34 / 10.0X MAT TO BEAR ON 6 TON PER SQ. FOOT SOIL - TO BE VERIFIED BY GEOTECHNICAL ENGINEER
2. (X.X) INDICATED MIN. THICKNESS OF MAT FOUNDATION/SLAB ON GRADE REQUIRED. AND TYPICAL CONCRETE MAT TOP REINFORCING.
3. [X.X] INDICATED TOP OF MAT FOUNDATION/SLAB ON GRADE.
4. REINFORCEMENT SHOWN IN ADDITION TO TYPICAL CONCRETE MAT REINFORCING EACH MAT CONTINUOUS, SEE TYP. DETAILS FOR DETAILING/PLACEMENT OF ALL REINFORCEMENT.
5. FOR CONCRETE PAD LOCATION SEE MECHANICAL DWG'S.
6. FOR CONCRETE PAD DIMENSIONS SEE MECHANICAL DWG'S
   1 DETAIL # 2b ON S-002.
7. DENOTES 25 TON DESIGNING TON ULTIMATE) 10'ø LOAD SUPPLEMENTAL COMPRESSION ELEMENT - SEE TYP DETAILS FOR BAL. OF INFORMATION.
8. SW-X DENOTES CONCRETE SHEARWALL- SEE S-401 THRU S-405 FOR BALANCE OF INFO.
9. SC/HS DENOTES STEEL FRAMING.
10. [X'-X"] INDICATES PROPOSED BOTTOM OF ISOLATED FOUNDATION ELEVATION. FOUNDATION TO BEAR ON 4 TON PER SQ. FOOT SOIL - TO BE VERIFIED BY GEOTECHNICAL ENGINEER
11. FOR ISOLATED FTG. SIZES & REINF. SEE SCHEDULE ON S002.
12. ADDITIONAL BOTTOM REINFORCEMENT IN 60" MAT TO BE PLACED IN SECOND LAYER.
13. PLACE EACH-WEST REINF. IN OUTER MOST LAYER.

86 Fleet Place

86 Fleet Place
Brooklyn, New York

Red Apple Myrtle Avenue Development, LLC
823 11th Avenue
New York, New York

DattnerArchitects
130 West 57th Street
New York, New York 10019
tel 212 247 2660
fax 212 245 7132
www.dattner.com

Structural Engineers
Goldstein Associates
31 West 27th Street
New York, NY 10001

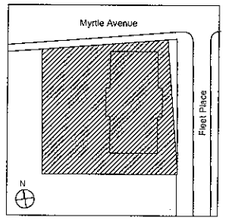
Mechanical/Electrical/Plumbing Engineers
Ettinger Engineering Associates
530 8th Avenue, 24th Floor
New York, NY 10018

Civil Engineers
Langan Engineering & Environmental Services
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001

NOT FOR CONSTRUCTION

08/31/07	FOR COORDINATION
10/10/07	FOR COORDINATION
10/19/07	PRELIMINARY BID SET
11/12/07	PROGRESS SET
11/16/07	90% CD SET
01/14/07	SUPER STRUCT. PRICING SET

Revisions



Key Plan

© 2007 Richard Dattner & Partners Architects P.C.

TOWER - SUB-CELLAR FDN BOTTOM REINF. PLAN

Date	July 10, 2007
Scale	1/8"=1'-0"
Drawn By	JPG
Checked By	MS
Project No.	A7061.00
Seal	

Sheet No. **S-101B**

P:\jobs\A7061.00 MYRTLE AVE...\TOWER...

APPENDIX D

APPENDIX D
CITIZEN PARTICIPATION PLAN

The NYC Office of Environmental Remediation and Red Apple 86 Fleet Place Development, LLC have established this Citizen Participation Plan because the opportunity for citizen participation is an important component of the NYC Brownfield Cleanup Program. This Citizen Participation Plan describes how information about the project will be disseminated to the Community during the remedial process. As part of its obligations under the NYC BCP, 86 Fleet Place will maintain a repository for project documents and provide public notice at specified times throughout the remedial program. This Plan also takes into account potential environmental justice concerns in the community that surrounds the project Site. Under this Citizen Participation Plan, project documents and work plans are made available to the public in a timely manner. Public comment on work plans is strongly encouraged during public comment periods. Work plans are not approved by the NYC Office of Environmental Remediation (OER) until public comment periods have expired and all comments are formally reviewed. An explanation of cleanup plans in the form of a public meeting or informational session is available upon request to OER's project manager assigned to this Site, Shana Holberten, who can be contacted about these issues or any others questions, comments or concerns that arise during the remedial process at (212) 788-8841

Project Contact List. OER has established a Site Contact List for this project to provide public notices in the form of fact sheets to interested members of the Community. Communications will include updates on important information relating to the progress of the cleanup program at the Site as well as to request public comments on the cleanup plan. The Project Contact List includes owners and occupants of adjacent buildings and homes, principal administrators of nearby schools, hospitals and day care centers, the public water supplier that serves the area, established document repositories, the representative Community Board, City Council members, other elected representatives and any local Brownfield Opportunity Area (BOA) grantee organizations. Any member of the public or organization will be added to the Site Contact List on request. A copy of the Site Contact List is maintained by OER's project manager. If you would like to be added to the Project Contact List, contact NYC OER at (212) 788-8841 or by email at brownfields@cityhall.nyc.gov.

Repositories. A document repository is maintained in the nearest public library that maintains evening and weekend hours. This document repository is intended to house, for community review, all principal documents generated during the cleanup program including Remedial Investigation plans and reports, Remedial Action work plans and reports, and all public notices and fact sheets produced during the lifetime of the remedial project. 86 Fleet Place will inspect the repositories to ensure that they are fully populated with project information. The repository for this project is:

Walt Whitman Branch Library

93 St Edwards Street, Brooklyn, NY

718-935-0244

Monday, Tuesday, Thursday and Friday: 10:00AM to 6:00PM,

Wednesday: 1:00PM to 8:00PM, and

Saturday and Sunday: closed

Digital Documentation. NYC OER strongly encourages the use of digital documents in repositories as a means of minimizing paper use while also increasing convenience in access and ease of use.

Public Notice and Public Comment. Public notice to all members of the Project Contact List is required at three major steps during the performance of the cleanup program (listed below) and at other points that may be required by OER. Notices will include Fact Sheets with descriptive project summaries, updates on recent and upcoming project activities, repository information, and important phone and email contact information. All notices will be prepared by 86 Fleet Place, reviewed and approved by OER prior to distribution and mailed by 86 Fleet Place. Public comment is solicited in public notices for all work plans developed under the NYC Brownfield Cleanup Program. Final review of all work plans by OER will consider all public comments. Approval will not be granted until the public comment period has been completed.

Citizen Participation Milestones. Public notice and public comment activities occur at several steps during a typical NYC BCP project. See flow chart on the following page, which identifies when during the NYC BCP public notices are issued: These steps include:

- **Public Notice of the availability of the Remedial Investigation Report and Remedial Action Work Plan and a 30-day public comment period on the Remedial Action Work Plan.**

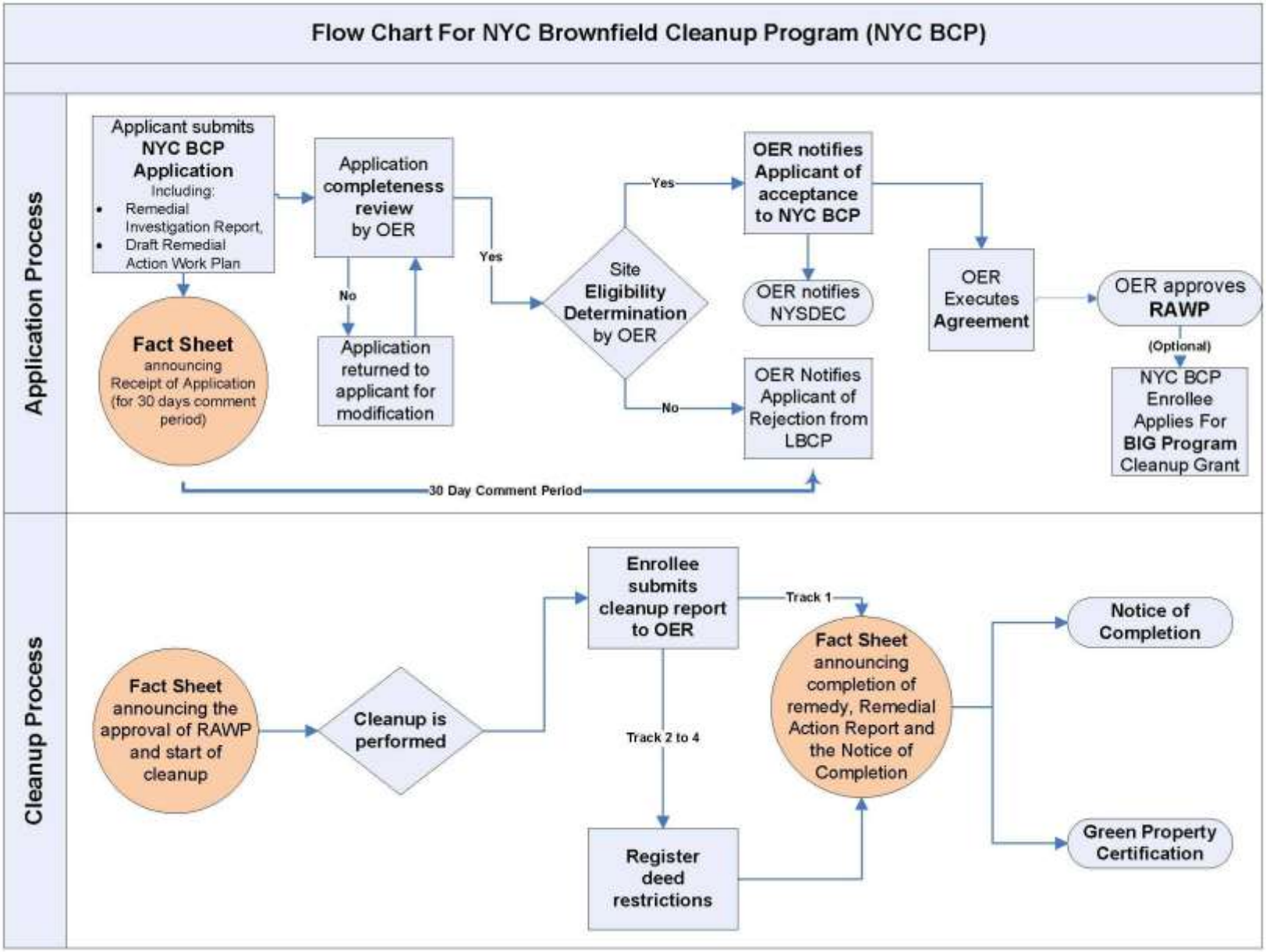
  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the availability of the Remedial Investigation Report and Remedial Action Work Plan and the initiation of a 30-day public comment period on the Remedial Action Work Plan. The Fact Sheet summarizes the findings of the RIR and provides details of the RAWP. The public comment period will be extended an additional 15 days upon public request. A public meeting or informational session will be conducted by OER upon request.

- **Public Notice announcing the approval of the RAWP and the start of remediation**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the approval of the RAWP and the start of remediation.

- **Public Notice announcing the completion of remediation, designation of Institutional and Engineering Controls and issuance of the Notice of Completion**

  Public notice in the form of a Fact Sheet is sent to all parties listed on the Site Contact List announcing the completion of remediation, providing a list of all Institutional and Engineering Controls implemented for to the Site and announcing the issuance of the Notice of Completion.


Flow Chart For NYC Brownfield Cleanup Program (NYC BCP)
Application Process
Applicant submits NYC BCP Application Including:
• Remedial Investigation Report,
• Draft Remedial Action Work Plan
Fact Sheet announcing Receipt of Application (for 30 days comment period)
Application completeness review by OER
No
Application returned to applicant for modification
Yes
Site Eligibility Determination by OER
Yes
OER notifies Applicant of acceptance to NYC BCP
OER notifies NYSDEC
No
OER Notifies Applicant of Rejection from LBCP
OER Executes Agreement
OER approves RAWP
(Optional)
NYC BCP Enrollee Applies For BIG Program Cleanup Grant
30 Day Comment Period
Cleanup Process
Fact Sheet announcing the approval of RAWP and start of cleanup
Cleanup is performed
Enrollee submits cleanup report to OER
Track 1
Track 2 to 4
Fact Sheet announcing completion of remedy, Remedial Action Report and the Notice of Completion
Register deed restrictions
Notice of Completion
Green Property Certification

APPENDIX E

APPENDIX E
SUSTAINABILITY STATEMENT

This Sustainability Statement documents sustainable activities and green remediation efforts planned under this remedial action.

Reuse of Clean, Recyclable Materials. Reuse of clean, locally-derived recyclable materials reduces consumption of non-renewable virgin resources and can provide energy savings and greenhouse gas reduction.

An estimate of the quantity (in tons) of clean, non-virgin materials (reported by type of material) reused under this plan will be quantified and reported in the RAR.

Reduce Consumption of Virgin and Non-Renewable Resources. Reduced consumption of virgin and non-renewable resources lowers the overall environmental impact of the project on the region by conserving these resources.

An estimate of the quantity (in tons) of virgin and non-renewable resources, the use of which will be avoided under this plan, will be quantified and reported in the RAR.

Reduced Energy Consumption and Promotion of Greater Energy Efficiency. Reduced energy consumption lowers greenhouse gas emissions, improves local air quality, lessens in-city power generation requirements, can lower traffic congestion, and provides substantial cost savings.

Best efforts will be made to quantify energy efficiencies achieved during the remediation and will be reported in the Remedial Action Report (RAR). Where energy savings cannot be easily quantified, a gross indicator of the amount of energy saved or the means by which energy savings was achieved will be reported.

Conversion to Clean Fuels. Use of clean fuel improves NYC's air quality by reducing harmful emissions.

An estimate of the volume of clean fuels used during remedial activities will be quantified and reported in the RAR.

Recontamination Control. Recontamination after cleanup and redevelopment is completed undermines the value of work performed, may result in a property that is less protective of public health or the environment, and may necessitate additional cleanup work later or impede future redevelopment. Recontamination can arise from future releases that occur within the property or by influx of contamination from off-Site.

An estimate of the area of the Site that utilizes recontamination controls under this plan will be reported in the RAR in square feet.

Storm-water Retention. Storm-water retention improves water quality by lowering the rate of combined storm-water and sewer discharges to NYC's sewage treatment plants during periods of precipitation, and reduces the volume of untreated influent to local surface waters.

An estimate of the enhanced storm-water retention capability of the redevelopment project will be included in the RAR.

Linkage with Green Building. Green buildings provide a multitude of benefits to the city across a broad range of areas, such as reduction of energy consumption, conservation of resources, and reduction in toxic materials use.

The number of Green Buildings that are associated with this brownfield redevelopment property will be reported in the RAR. The total square footage of green building space created as a function of this brownfield redevelopment will be quantified for residential, commercial and industrial/manufacturing uses.

Paperless Brownfield Cleanup Program. Red Apple 86 Fleet Place Development, LLC is participating in OER's Paperless Brownfield Cleanup Program. Under this program, submission of electronic documents will replace submission of hard copies for the review of project documents, communications and milestone reports.

Low-Energy Project Management Program. Red Apple 86 Fleet Place Development, LLC is participating in OER's low-energy project management program. Under this program, whenever possible, meetings are held using remote communication technologies, such as videoconferencing and teleconferencing to reduce energy consumption and traffic congestion associated with personal transportation.

Trees and Plantings. Trees and other plantings provide habitat and add to NYC's environmental quality in a wide variety of ways. Native plant species and native habitat provide optimal support to local fauna, promote local biodiversity, and require less maintenance.

An estimate of the land area that will be vegetated, including the number of trees planted or preserved, will be reported in square feet in the RAR.

APPENDIX F

Mark A. Franciosi
Technical Service Manager – North America

T 617-498-4303

mark.a.franciosi@grace.com

W. R. Grace & Co.-Conn.
62 Whittemore Avenue
Cambridge, MA 02140

July 31st, 2014

Mr. Brandon Nathe
Project Engineer
Langan Engineering, Environmental
21 Penn Plaza
360 West 31st Street, 8th Floor
New York, NY 10001-2727

Project: 86 Fleet Place, Brooklyn, NY - Block 2061, Lot 50 - OER#: 14EH-N496K

Mr. Nathe,

I have reviewed the following reports for the above referenced project:

- Table 4A – 2007 Phase II ESI Soil Analytical Results prepared by Langan, dated October 2007
- Table 4B – 2014 Remedial Investigation Report (RIR) Soil Analytical Results prepared by Langan, dated July 2014
- Table 5A – 2007 Phase II ESA Groundwater Analytical Results prepared by Langan, dated October 2007
- Table 5B – 2014 RI Groundwater Analytical Results prepared by Langan, dated July 2014
- Table 6A – 2007 Phase II ESI Soil Vapor Analytical Results prepared by Langan, dated October 2007
- Table 6B – 2014 RI Soil Vapor Analytical Results prepared by Langan, dated July 2014
- Figures 7, 7A, 7B and 7C - Vapor barrier design and details, prepared by Langan, dated June 2014

The identified contaminants at the levels reported will not have an adverse effect on the waterproofing or vapor barrier properties of Preprufe® 300R, Preprufe® 160R, Bituthene® 3000/4000 and all system accessories, provided standard design and application procedures are followed.

Standard installation instructions and details can be found on our website at www.graceconstruction.com. If you have any questions, please feel free to call me at the number above.

Sincerely,

Mark Franciosi

Mark Franciosi

Technical Services Manager – North America

cc: J. Ridgeway

APPENDIX G

GRACE

PREPRUFE® 300R & 160R

Pre-applied waterproofing membranes that bond integrally to poured concrete for use below slabs or behind basement walls on confined sites

Description

Preprufe® 300R & 160R membranes are unique composite sheets comprising a thick HDPE film, an aggressive pressure sensitive adhesive and a weather resistant protective coating.

Unlike conventional non-adhering membranes, which are vulnerable to water ingress tracking between the unbonded membrane and structure, the unique Preprufe bond to concrete prevents ingress or migration of water around the structure.

The Preprufe R System includes:

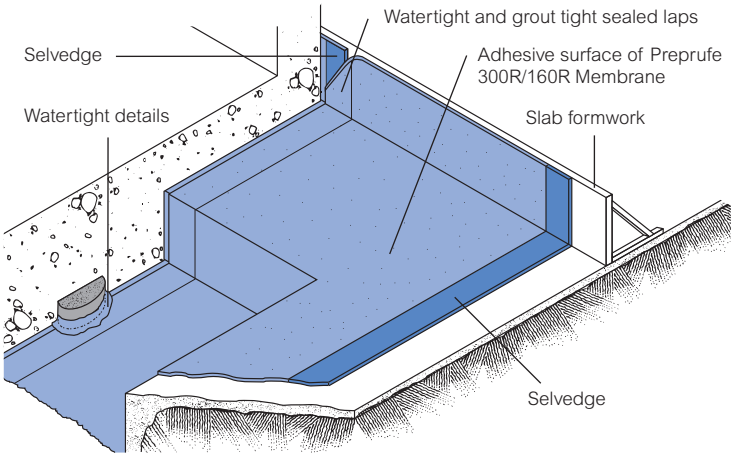
- **Preprufe 300R**—heavy-duty grade for use below slabs and on rafts (i.e. mud slabs). Designed to accept the placing of heavy reinforcement using conventional concrete spacers.
- **Preprufe 160R**—thinner grade for blindside, zero property line applications against soil retention systems.
- **Preprufe Tape LT**—for covering cut edges, roll ends, penetrations and detailing (temperatures between 25°F (-4°C) and 86°F (+30°C)).
- **Preprufe Tape HC**—as above for use in Hot Climates (minimum 50°F (10°C)).
- **Bituthene® Liquid Membrane**—for sealing around penetrations, etc.
- **Adcor™ ES**—waterstop for joints in concrete walls and floors
- **Preprufe Tieback Covers**—preformed cover for soil retention wall tieback heads
- **Preprufe Preformed Corners**—preformed inside and outside corners

Preprufe 300R & 160R membranes are applied either horizontally to smooth prepared concrete, carton forms or well rolled and compacted earth or crushed stone substrate; or vertically to permanent formwork or adjoining structures. Concrete is then cast directly against the adhesive side of the membranes. The specially developed Preprufe adhesive layers work together to form a continuous and integral seal to the structure.

Preprufe can be returned up the inside face of slab formwork but is not recommended for conventional twin-sided formwork on walls, etc. Use Bituthene self-adhesive membrane or Procor® fluid applied membrane to walls after removal of formwork for a fully bonded system to all structural surfaces.

Advantages

- **Forms a unique continuous adhesive bond to concrete poured against it**—prevents water migration and makes it unaffected by ground settlement beneath slabs
- **Fully-adhered watertight laps** and detailing
- **Provides a barrier to water, moisture and gas**—physically isolates the structure from the surrounding ground
- **BBA Certified** for basement Grades 2, 3, & 4 to BS 8102:1990
- **Zero permeance** to moisture
- **Solar reflective**—reduced temperature gain
- **Simple and quick to install**—requiring no priming or fillets
- **Can be applied to permanent formwork**—allows maximum use of confined sites
- **Self protecting**—can be trafficked immediately after application and ready for immediate placing of reinforcement
- **Unaffected by wet conditions**—cannot activate prematurely
- **Inherently waterproof, non-reactive system:**
  - not reliant on confining pressures or hydration
  - unaffected by freeze/thaw, wet/dry cycling
- **Chemical resistant**—effective in most types of soils and waters, protects structure from salt or sulphate attack



Drawings are for illustration purposes only.
Please refer to graceconstruction.com for specific application details.

BBA BRITISH BOARD OF AGREMENT CERTIFICATE No. 97/3325

Installation

The most current application instructions, detail drawings and technical letters can be viewed at graceconstruction.com. For other technical information contact your local Grace representative.

Preprufe 300R & 160R membranes are supplied in rolls 4 ft (1.2 m) wide, with a selvedge on one side to provide self-adhered laps for continuity between rolls. The rolls of Preprufe Membrane and Preprufe Tape are interwound with a disposable plastic release liner which must be removed before placing reinforcement and concrete.

Substrate Preparation

All surfaces—It is essential to create a sound and solid substrate to eliminate movement during the concrete pour. Substrates must be regular and smooth with no gaps or voids greater than 0.5 in. (12 mm). Grout around all penetrations such as utility conduits, etc. for stability (see Figure 1).

Horizontal—The substrate must be free of loose aggregate and sharp protrusions. Avoid curved or rounded substrates. When installing over earth or crushed stone, ensure substrate is well compacted to avoid displacement of substrate due to traffic or concrete pour. The surface does not need to be dry, but standing water must be removed.

Vertical—Use concrete, plywood, insulation or other approved facing to sheet piling to provide support to the membrane. Board systems such as timber lagging must be close butted to provide support and not more than 0.5 in. (12 mm) out of alignment.

Membrane Installation

Preprufe can be applied at temperatures of 25°F (-4°C) or above. When installing Preprufe in cold or marginal weather conditions 55°F (<13°C) the use of Preprufe Tape LT is recommended at all laps and detailing. Preprufe Tape LT should be applied to clean, dry surfaces and the release liner must be removed immediately after application. Alternatively, Preprufe Low Temperature (LT) is available for low temperature condition applications. Refer to Preprufe LT data sheet for more information.

Horizontal substrates—Place the membrane HDPE film side to the substrate with the clear plastic release liner facing towards the concrete pour. End laps should be staggered to avoid a build up of layers. Leave plastic release liner in position until overlap procedure is completed (see Figure 2).

Accurately position succeeding sheets to overlap the previous sheet 3 in. (75 mm) along the marked selvedge. Ensure the underside of the succeeding sheet is clean, dry and free from contamination before attempting to overlap. Peel back the plastic release liner from between the overlaps as the two layers are bonded together. Ensure a continuous bond is achieved without creases and roll firmly with a heavy roller. Completely remove the plastic liner to expose the protective coating. Any initial tack will quickly disappear.

Refer to Grace Tech Letter 15 for information on suitable rebar chairs for Preprufe.

Vertical substrates—Mechanically fasten the membrane vertically using fasteners appropriate to the substrate with the the clear plastic release liner facing towards the concrete pour. The membrane may be installed in any convenient length. Fastening can be made through the selvedge using a small and low profile head fastener so that the membrane lays flat and allows firmly rolled overlaps. Immediately remove the plastic release liner.

Ensure the underside of the succeeding sheet is clean, dry and free from contamination before attempting to overlap. Roll firmly to ensure a watertight seal.

Roll ends and cut edges—Overlap all roll ends and cut edges by a minimum 3 in. (75 mm) and ensure the area is clean and free from contamination, wiping with a damp cloth if necessary. Allow to dry and apply Preprufe Tape LT (or HC in hot climates) centered over the lap edges and roll firmly (see Figure 3). Immediately remove printed plastic release liner from the tape.

Details

Refer to Preprufe Field Application Manual, Section V Application Instructions or visit graceconstruction.com. This manual gives comprehensive guidance and standard details.

Membrane Repair

Inspect the membrane before installation of reinforcement steel, formwork and final placement of concrete. The membrane can be easily cleaned by power washing if required. Repair damage by wiping the area with a damp cloth to ensure the area is clean and free from dust, and allow to dry. Repair small punctures (0.5 in. (12 mm) or less) and slices by applying Preprufe Tape centered over the damaged area and roll firmly. Remove the release liner from the tape. Repair holes and large punctures by applying a patch of Preprufe membrane, which extends 6 in. (150 mm) beyond the damaged area. Seal all edges of the patch with Preprufe Tape, remove the release liner from the tape and roll firmly. Any areas of damaged adhesive should be covered with Preprufe Tape. Remove printed plastic release liner from tape. Where exposed selvedge has lost adhesion or laps have not been sealed, ensure the area is clean and dry and cover with fresh Preprufe Tape, rolling firmly. Alternatively, use a hot air gun or similar to activate adhesive and firmly roll lap to achieve continuity.

Pouring of Concrete

Ensure the plastic release liner is removed from all areas of Preprufe membrane and tape.

It is recommended that concrete be poured within 56 days (42 days in hot climates) of application of the membrane. Following proper ACI guidelines, concrete must be placed carefully and consolidated properly to avoid damage to the membrane. Never use a sharp object to consolidate the concrete.

Removal of Formwork

Preprufe membranes can be applied to removable formwork, such as slab perimeters, elevator and lift pits, etc. Once the concrete is poured the formwork must remain in place until the concrete has gained sufficient compressive strength to develop the surface bond. Preprufe membranes are not recommended for conventional twin-sided wall forming systems.

A minimum concrete compressive strength of 1500 psi (10 N/mm^2) is recommended prior to stripping formwork supporting Preprufe membranes. Premature stripping may result in displacement of the membrane and/or spalling of the concrete.

Refer to Grace Tech Letter 17 for information on removal of formwork for Preprufe.

Figure 1

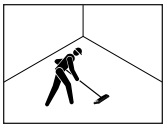


Figure 2

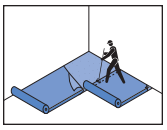
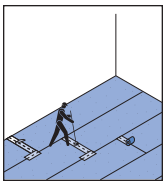
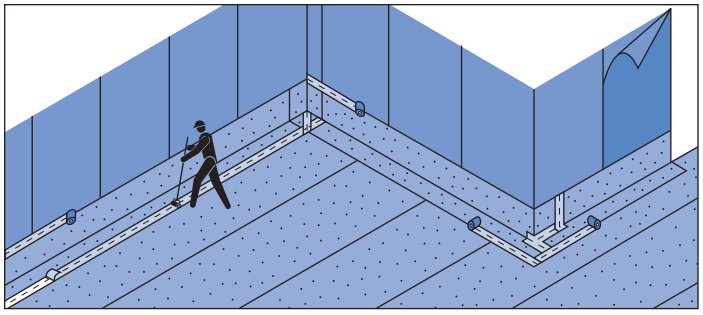


Figure 3

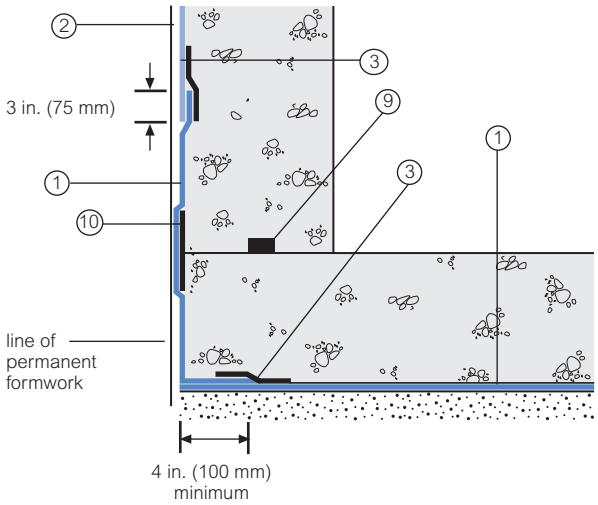




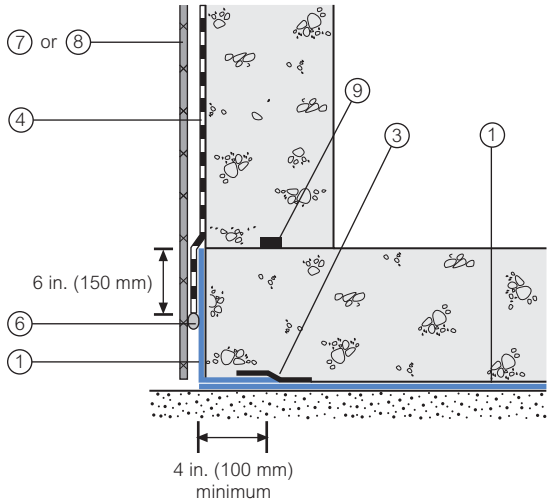
Detail Drawings

Details shown are typical illustrations and not working details. For a list of the most current details, visit us at graceconstruction.com. For technical assistance with detailing and problem solving please call toll free at 866-333-3SBM (3726).

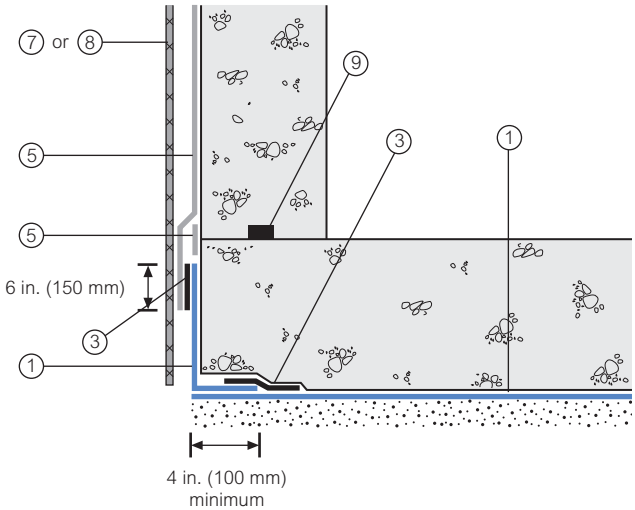
Wall base detail against permanent shutter



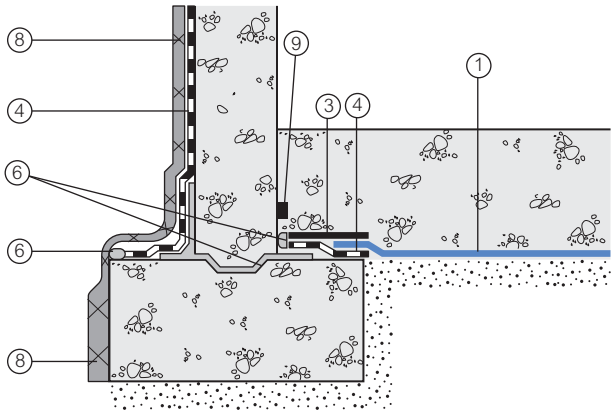
Bituthene wall base detail (Option 1)



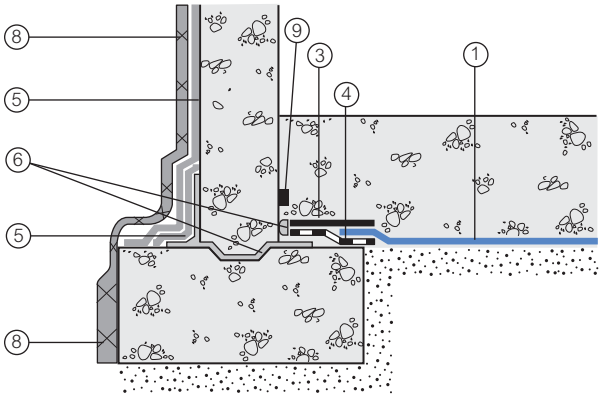
Procor wall base detail (Option 1)



Bituthene wall base detail (Option 2)



Procor wall base detail (Option 2)



1 **Preprufe 300R**
2 **Preprufe 160R**
3 **Preprufe Tape**
4 **Bituthene**
5 **Procor**
6 **Bituthene Liquid Membrane**
7 **Protection**
8 **Hydroduct®**
9 **Adcor ES**
10 **Preprufe CJ Tape**

Supply

Dimensions (Nominal)	Preprufe 300R Membrane	Preprufe 160R Membrane	Preprufe Tape (LT or HC*)
Thickness	0.046 in. (1.2 mm)	0.032 in. (0.8 mm)	
Roll size	4 ft x 98 ft (1.2 m x 30 m)	4 ft x 115 ft (1.2 m x 35 m)	4 in. x 49 ft (100 mm x 15 m)
Roll area	392 ft^2 (36 m^2)	460 ft^2 (42 m^2)	
Roll weight	108 lbs (50 kg)	92 lbs (42 kg)	4.3 lbs (2 kg)
Minimum side/end laps	3 in. (75 mm)	3 in. (75 mm)	3 in. (75 mm)
* LT denotes Low Temperature (between 25°F (-4°C) and 86°F (+30°C)) HC denotes Hot Climate (50°F (>+10°C))			
Ancillary Products			
Bituthene Liquid Membrane—1.5 US gal (5.7 liter) or 4 US gal (15.1 liter)			

Physical Properties

Property	Typical Value 300R	Typical Value 160R	Test Method
Color	white	white	
Thickness	0.046 in. (1.2 mm)	0.032 in. (0.8 mm)	ASTM D3767
Lateral Water Migration Resistance	Pass at 231 ft (71 m) of hydrostatic head pressure	Pass at 231 ft (71 m) of hydrostatic head pressure	ASTM D5385, modified[1]
Low temperature flexibility	Unaffected at -20°F (-29°C)	Unaffected at -20°F (-29°C)	ASTM D1970
Resistance to hydrostatic head	231 ft (71 m)	231 ft (71 m)	ASTM D5385, modified[2]
Elongation	660%	580%	ASTM D412, modified[3]
Tensile strength	4000 psi (27.6 MPa)	4000 psi (27.6 MPa)	ASTM D412
Crack cycling at -9.4°F (-23°C), 100 cycles	Unaffected, Pass	Unaffected, Pass	ASTM C836
Puncture resistance	221 lbs (990 N)	100 lbs (445 N)	ASTM E154
Peel adhesion to concrete	5 lbs/in. (880 N/m)	5 lbs/in. (880 N/m)	ASTM D903, modified[4]
Lap peel adhesion	5 lbs/in. (880 N/m)	5 lbs/in. (880 N/m)	ASTM D1876, modified[5]
Permeance to water vapor transmission	0.01 perms (0.6 ng/(Pa x s x m^2))	0.01 perms (0.6 ng/(Pa x s x m^2))	ASTM E96, method B
Water absorption	0.5%	0.5%	ASTM D570

Footnotes:

1. Lateral water migration resistance is tested by casting concrete against membrane with a hole and subjecting the membrane to hydrostatic head pressure with water. The test measures the resistance of lateral water migration between the concrete and the membrane.
2. Hydrostatic head tests of Preprufe Membranes are performed by casting concrete against the membrane with a lap. Before the concrete cures, a 0.125 in. (3 mm) spacer is inserted perpendicular to the membrane to create a gap. The cured block is placed in a chamber where water is introduced to the membrane surface up to the head indicated.
3. Elongation of membrane is run at a rate of 2 in. (50 mm) per minute.
4. Concrete is cast against the protective coating surface of the membrane and allowed to properly dry (7 days minimum). Peel adhesion of membrane to concrete is measured at a rate of 2 in. (50 mm) per minute at room temperature.
5. The test is conducted 15 minutes after the lap is formed (per Grace published recommendations) and run at a rate of 2 in. (50 mm) per minute.

Specification Clauses

Preprufe 300R or 160R shall be applied with its adhesive face presented to receive fresh concrete to which it will integrally bond. Only Grace Construction Products approved membranes shall be bonded to Preprufe 300R/160R. All Preprufe 300R/160R system materials shall be supplied by Grace Construction Products, and applied strictly in accordance with their instructions. Specimen performance and formatted clauses are also available.

NOTE: Use Preprufe Tape to tie-in Procor with Preprufe.

Health and Safety

Refer to relevant Material Safety data sheet. Complete rolls should be handled by a minimum of two persons.

www.graceconstruction.com

For technical assistance call toll free at 866-333-3SBM (3726)

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In Canada, Grace Canada, Inc., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

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GRACE
Construction Products

1. Product Name

Preprufe® 300R and 160R Waterproofing Systems

2. Manufacturer

Grace Construction Products
62 Whittemore Avenue
Cambridge, MA 02140
(866) 333-3SBM (3726)
Fax: (617) 498-4311
www.graceconstruction.com

3. Product Description

BASIC USE

Preprufe® 300R and Preprufe 160R membranes are used in blind side waterproofing applications where positive side waterproofing is desired but the positive side of the structure is not accessible once the concrete is poured.

Preprufe 300R Membrane is used primarily in under slab and below-grade split slab applications. Preprufe 300R Membrane is applied over properly prepared earth, stone or concrete. Concrete is cast against the adhesive side of the membrane. Preprufe 300R Membrane incorporates an exceptionally tough HDPE film and is designed to allow foot traffic directly on the membrane during construction.

Preprufe 160R Membrane is used in vertical applications. It is applied to properly prepared soil retention systems and concrete is cast against the membrane.

COMPOSITION & MATERIALS

Preprufe 300R and Preprufe 160R membranes are multilayered composite sheets consisting of an exceptionally tough HDPE film, a specially formulated synthetic pressure sensitive adhesive and a protective coating.

ACCESSORY COMPONENTS

- Preprufe Tape
- Preprufe Tieback Cover
- Bituthene® Liquid Membrane
- Preprufe CJ Tape

4. Technical Data

APPLICABLE STANDARDS

ASTM International

- ASTM C836 Standard Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course
- ASTM D412 Standard Test Methods for Vulcanized Rubber and Thermoplastic Rubbers and Thermoplastic Elastomers-Tension
- ASTM D570 Standard Test Method for Water Absorption of Plastics
- ASTM D882 Standard Test Method for Tensile Properties of Thin Plastic Sheeting
- ASTM D903 Standard Test Method for Peel or Stripping Strength of Adhesive Bonds
- ASTM D1876 Standard Test Method for Peel Resistance of Adhesives (T-Peel Test)
- ASTM D1970 Standard Specification for Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection
- ASTM D3767 Standard Practice for Rubber-Measurement of Dimensions
- ASTM D5385 Standard Test Method for Hydrostatic Pressure Resistance of Waterproofing Membranes
- ASTM E96 Standard Test Methods for Water Vapor Transmission of Materials
- ASTM E154 Standard Test Methods for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover

PHYSICAL PROPERTIES

For detailed information on the physical properties of Preprufe 300R and Preprufe 160R Membranes, see Table 1.

5. Installation

Apply membranes when ambient temperatures are 25 degrees F (-4 degrees C) or above. Substrates must be smooth and sound with no gaps or voids in excess of 1/2" (13 mm).

FORMING SYSTEMS

It is very important to specify a forming system that is compatible with the Preprufe system. One-sided wall forming systems are clearly the best choice since there are no form ties used in this system. Therefore, there are no penetrations to the waterproofing layer. Other compatible systems include gang forms with load gathering form ties. These systems minimize the number of penetrations.

Hand set forming systems or, more specifically, use of form ties with ultimate load capabilities of less than 10,000 lb (44,500 N) per tie are not recommended. These systems have many form ties that penetrate the waterproofing.

Formwork

On vertical applications, use one-sided wall forming systems to minimize punctures in the membrane after the membrane is installed. Review Technical Letter "Forming Systems for use with Preprufe 160R Membrane."

APPLICATION

Vertical Applications

Apply the membrane with the thick white HDPE film side facing the prepared substrate and the protective coating side facing the concrete to be poured. The membrane may be installed in any convenient length vertically. For lengths of membrane greater than 8' (2.4 m), mechanically fasten the membrane at 2' (0.6 m) intervals centered in the self-adhesive selvedge prior to making the side lap, using small head nails or staples.

Using the lap line as a guide, apply subsequent sheets overlapping the in-place sheet 3" (75 mm) along the self-adhesive selvedge of the membrane. Avoid overlapping membrane beyond the guideline to prevent fishmouths. Should they occur, apply Preprufe Tape centered over the fishmouth, roll firmly to form a tight seal and remove release liner.

It is important that all nail heads be covered with the overlapping sheets of membrane. Side laps must be immediately rolled firmly to ensure a tight seal. A metal seam roller is recommended. To maximize adhesion in colder temperatures or in damp conditions, apply gentle heat to the lap area using a hot air gun (see Technical Letters). Overlap the ends of the membrane a minimum of 3" (75 mm). Remove and discard the release liner from both sheets. Apply Preprufe Tape centered over the end lap and edges of membrane not sealed by selvedge. Roll firmly to form a tight seal. Remove release liner from tape and discard.

For additional protection, Hydroduct® Tape may be applied between the sheets in the end lap area prior to application of the Preprufe Tape. Secure the top termination of the membrane with a termination bar and fasteners.

If the top termination is to be covered by the concrete pour, a strip of Preprufe CJ Tape must be placed over the termination bar and fasteners. Place the termination bar 2" (50 mm)

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below the top edge of the membrane. If the membrane will tie into subsequent sheets of Preprufe, Bituthene Membrane or other waterproofing, leave an additional 12" (300 mm) length of Preprufe 160R membrane. Protect this length from damage and do not remove the release liner. This length of clean membrane will be used to complete the appropriate waterproofing details after the concrete or lift is poured.

Horizontal Applications

Roll out the membrane with the thick white HDPE film side facing the prepared substrate and the protective coating side facing the concrete to be poured. Remove the clear release liner at the time of installation. Using the lap line as a guide, align and roll out subsequent sheets overlapping the in-place sheet 3" (75 mm) along the self-adhesive selvedge of the membrane. Side laps must be immediately rolled firmly to ensure a tight seal. A heavy metal seam roller is recommended.

Avoid overlapping membrane beyond the guideline to prevent fishmouths. Should this occur, apply Preprufe Tape centered over the fishmouth, roll firmly to form a tight seal and remove release liner. To maximize adhesion in cooler temperatures or in damp conditions, apply gentle heat to the lap area using a hot air gun (see Technical Letters section of website). The membrane may be installed in any convenient length. Overlap the ends of the membrane 3" (75 mm) and remove and discard the release liner from both sheets. Apply Preprufe Tape centered over the end lap and edges of membrane not sealed by selvedge. Roll firmly to form a tight seal. Remove release liner from tape and discard.

For additional protection, Hydroduct Tape may be applied between the sheets in the end lap area prior to application of the Preprufe Tape.

Internal & External Corners

Install the Preprufe Membrane according to standard application instructions detailed for vertical and horizontal applications above. Internal and external corners should be formed as shown in the Detail Drawings returning the membrane a minimum of 4" (100 mm).

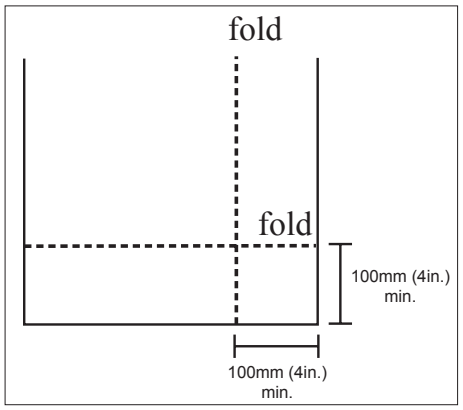

Figure 1

Internal Corners

Fold the membrane as indicated in Figure 1. Crease the fold with nominal hand pressure to ensure a close fit to the substrate profile and avoid hollows. With the white coating facing toward the concrete, ensure that the apex of the corner is covered and sealed with Preprufe Tape. Remove release liner and roll firmly.

External Corners

Fold the membrane as indicated in Figure 1. Crease the fold with nominal hand pressure to

TABLE 1 PHYSICAL PROPERTIES OF PREPRUFE 160R AND PREPRUFE 300R MEMBRANES

	Typical values	
Property & test method	Preprufe 160R Membrane	Preprufe 300R Membrane
Color	White	White
Thickness, ASTM D3767, Method A	0.032" (0.8 mm) nominal	0.046" (1.2 mm) nominal
Low temperature flexibility, ASTM D1970	Unaffected at -10°F (-23°C)	Unaffected at -10°F (-23°C)
Resistance to hydrostatic head, minimum, ASTM D5385, Modified [1]	231' (70 m)	231' (70 m)
Elongation, minimum, ASTM D412, Modified [2]	300%	300%
Tensile strength, film, minimum, ASTM D882	4000 psi (27.6 MPa)	4000 psi (27.6 MPa)
Crack cycling, at -10°F (-23°C), 100 cycles, ASTM C836	Unaffected	Unaffected
Puncture resistance, minimum, ASTM E154	100 lb (445 N)	221 lb (990 N)
Peel adhesion to concrete, minimum, ASTM D903, Modified [3]	5.0 lb/in width (880 N/m)	5.0 lb/in width (880 N/m)
Lap peel adhesion, ASTM D1876, Modified [4]	2.5 lb/in width (440 N/m)	2.5 lb/in width (440 N/m)
Permeance to water vapor transmission, maximum, ASTM D96, Method B	0.01 perms (0.6 ng/(Pa × s × m^2))	0.01 perms (0.6 ng/(Pa × s × m^2))
Water absorption, maximum, ASTM D570	0.5%	0.5%

[1] Hydrostatic head tests of Preprufe Membranes are performed by casting concrete against the membrane with a lap. Before the concrete cures, a 0.125" (3 mm) spacer is inserted perpendicular to the membrane to create a gap. The cured block is placed in a chamber where water is introduced to the membrane surface up to the head indicated.

[2] Elongation of membrane is run at a rate of 2" (51 mm) per minute.

[3] Concrete is cast against the protective coating surface of the membrane and allowed to properly dry (7 days minimum). Peel adhesion of membrane to concrete is measured at a rate of 2" (51 mm) per minute at room temperature.

[4] The test is conducted 15 minutes after the lap is formed (per Grace published recommendations) and run at a rate of 2" (51 mm) per minute at 25°F (-4°C).

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ensure a close fit to the substrate profile and avoid hollows. Cut the Preprufe membrane in order to wrap around corner. With the white coating facing toward the concrete, ensure that the apex of the corner is covered and sealed with Preprufe Tape. Remove release liner and roll firmly.

Round Penetrations

For Service Pipes, Lighting Conduit, Piles, etc. - Follow these steps to seal around penetrations:

1. All penetrations must be firmly secured and stable. Grout around all penetrations that are not stable. Clean loose dust or dirt from the penetration surface using a clean, dry cloth or brush. Remove rust, if applicable, with a wire brush and wipe clean.
2. Cut the field membrane tight to the penetration and remove release liner. If membrane is not within 1/2" (12 mm) of penetration and not more than 2" (50 mm) from penetration, apply Preprufe Tape to cover the gap. Roll firmly into place and remove release liner. If the membrane is greater than 2" (51 mm) from penetration, install more Preprufe Membrane to cover the gap, repeating these instructions until Preprufe Membrane/Tape is within 1/2" (12 mm).
3. Mix and apply Bituthene Liquid Membrane around the penetration. Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane/Tape and the base of the penetration.
4. Cut a patch of Preprufe Membrane that is a minimum of 12" (300 mm) larger than the diameter or width of the penetration so that the patch extends 6" (150 mm) beyond the penetration in all directions. Remove the release liner and center the patch over penetration and trace/draw the penetration profile onto the patch. Using sheers or a utility knife, make relief cuts through the membrane. Triangles formed by making a relief cut are not to exceed 2" (50 mm) in height when placed over penetration. In other words, penetration diameters greater than 4" (100 mm) need to be trimmed. Remove and discard release liner.
5. Slide the patch over penetration and press into the partially cured Liquid Membrane. Ensure that the patch is pressed firmly into the Liquid Membrane and is positioned directly onto the Preprufe Field Membrane/Tape below. Using a trowel, smooth out any Liquid Membrane that has flowed out of the relief cut.
6. Apply Preprufe Tape centered over the edges of the patch and roll firmly to form a tight seal. Remove release liner from tape and discard.
7. Wrap the penetration with Preprufe Tape, positioning the tape at the base of the patch. Remove enough release liner to overlap Tape onto itself and roll/press firmly into place. Remove remaining release liner and discard.

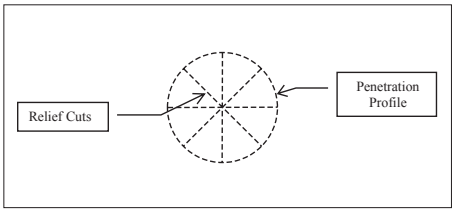

Figure 2

Straight Edge Penetrations

For square piles, steel columns, walers, rakers, etc. - Follow these steps to seal around

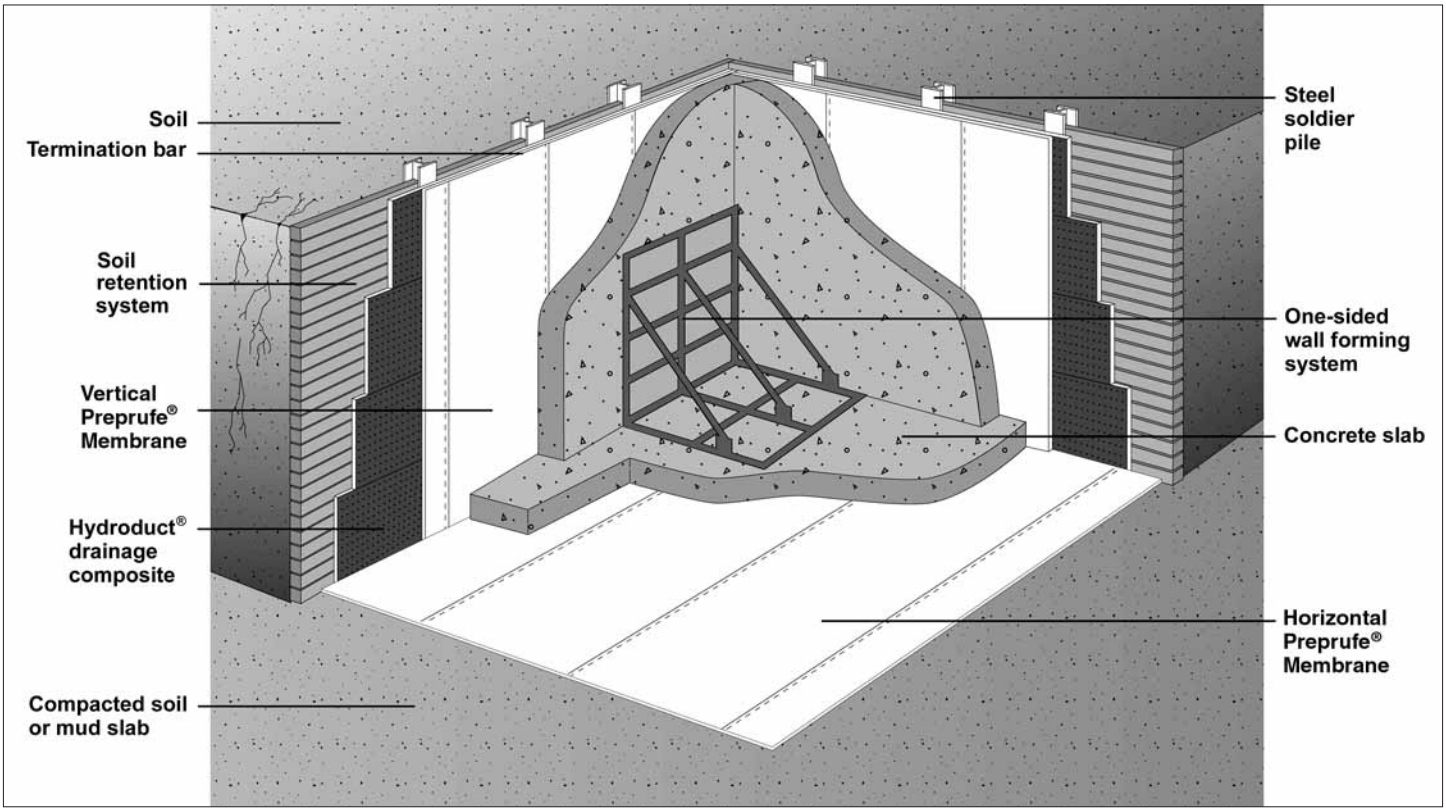

Figure 3 Preprufe® Waterproofing Systems

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penetrations:

1. All penetrations must be firmly secured and stable. Grout around all penetrations that are not stable. Clean loose dust or dirt from the penetration surface using a clean, dry cloth or brush. Remove rust, if applicable, with a wire brush and wipe clean.
2. Cut the field membrane tight to the penetration and remove release liner. If membrane is not within 1/2" (12 mm) of penetration and not more than 2" (51 mm) from penetration, apply Preprufe Tape to cover the gap. Roll firmly into place and remove release liner. If the membrane is greater than 2" (51 mm) from penetration, install more Preprufe Membrane to cover the gap repeating these instructions until Preprufe Membrane/Tape is within 1/2" (12 mm).
3. Mix and apply Bituthene Liquid Membrane around the penetration. Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane/Tape and the base of the penetration. Apply a 90 mil (2.2 mm) continuous coating overlapping a minimum of 3" (75 mm) onto the surface of the Preprufe Membrane and the penetration.
4. Install a minimum 12" (300 mm) strip of Bituthene Membrane centered over the Preprufe Membrane and the penetration intersection.
5. Install Preprufe Tape to cover the strip of Bituthene Membrane by overlapping a minimum of 1" (25.4 mm) until a minimum of 2" (51 mm) overlap onto the Preprufe Membrane is achieved.
6. Terminate the top edge of the strip of Bituthene Membrane and Preprufe Tape along the penetration with a bead of Bituthene Liquid Membrane.

Wall Penetrations

For Rebar, All-Thread, Metal Dowels, etc. - Follow these steps to seal around penetrations:

1. Clean loose dust or dirt from the penetration and the surrounding substrate surface using a clean, dry cloth or brush. Remove rust, if applicable, with a wire brush and wipe clean.
2. Mix and apply Bituthene Liquid Membrane around the penetration. Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet between the substrate and the base of the penetration.
3. Cut the field membrane tight to the penetration and remove release liner. If membrane is not within 1/2" (12 mm) of penetration and not more than 2" (51 mm) from penetration, apply Preprufe Tape to cover the gap. Roll firmly into place and remove release. If the membrane is greater than 2" (51 mm) from penetration, install more Preprufe Membrane to cover the gap repeating these instructions until Preprufe Membrane/Tape is within 1/2" (12 mm).
4. Position the field membrane snug to the penetration so that it is a maximum of 1/2" (12 mm) from the base of the penetration and press firmly into the partially cured Liquid Membrane.
5. Apply Liquid Membrane to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane and the base of the penetration. Extend a 90 mil (2.2 mm) continuous coating of Liquid Membrane overlapping a minimum of 3" (75 mm) onto the surface of the Preprufe Membrane and 6" (150 mm) onto the penetration.
6. Wrap the penetration with Preprufe Tape, positioning the tape at the base of the penetration. Remove enough release liner to overlap tape onto itself and roll/press firmly into place. Remove remaining release liner and discard.

Tiebacks

The Preprufe Tieback Cover is a specially designed, two-part cover used to maintain waterproofing integrity at soil retention tieback heads. The Preprufe Tieback Cover consists of a rigid ABS plastic base and prefabricated Preprufe membrane cover.

1. Install Preprufe Membrane within 2" of tieback as per standard installation instructions.
2. Center the base over tieback head and secure base to soil retention system using appropriate fasteners. Fasteners should have a low profile head.
3. Apply Preprufe Tape centered over the edge of the base flange and roll firmly to form a tight seal. Remove release liner and discard.
4. Position the membrane cover over the base taking care to ensure the cover flange sits flat onto the Preprufe Membrane.
5. Apply Preprufe Tape centered over the edge of the cover flange and roll firmly to form a tight seal. Remove release liner and discard.

Note: All Preprufe Tape should overlap onto surfaces of tape, membrane, base, cover, etc., a minimum of 50 mm (2").

Columns

There are 2 common methods to create a waterproof seal under columns.

- Column Option 1 - Preprufe Membrane is placed over the column footing and directly under the column. Tie-in penetrations such as rebar and threaded rod that penetrate the membrane should be sealed with Bituthene Liquid Membrane. Cut the membrane tight to the penetration. If membrane is not within 1/2" (12 mm) of penetration, apply Preprufe Tape to cover the gap. Mix and apply Bituthene Liquid Membrane around the penetration. Bituthene Liquid Membrane should be placed to form a minimum 1" (25.4 mm) continuous fillet around the penetration at the point of penetration. Bituthene Liquid Membrane should be applied as a 90 mil (2.2 mm) continuous coating overlapping a minimum of 3" (75 mm) onto the surface of the Preprufe membrane.
- Column Option 2 - Preprufe Membrane is placed below the column footing before it is poured. The membrane is installed following the vertical and horizontal application instructions described earlier in this section. When placing the membrane, it is important to leave sufficient length of Preprufe 300R beyond the footing to allow for tie-in to the Preprufe Membrane that will be laid to waterproof the general slab area. The release liner must not be removed from this extra length, and it should be protected from damage until the tie-in details are completed.

Grade Beam Pile Caps

The preferred methods to waterproof pile caps are to either "tank" or "cover" the pile cap.

- Pile Cap Option 1 (Tanking Option) - Install Preprufe Membrane over the prepared substrate as instructed in horizontal applications above. Preprufe Membrane is placed in the area formed for the pile cap before the concrete is poured. When placing the membrane, it is important to leave sufficient length of Preprufe beyond the pile cap area to allow for tie-in to the Preprufe Membrane that will be laid to waterproof the general slab area. Cut membrane tight to each pile and complete detail around each pile as instructed earlier in this section for a Penetration Detail.
- Pile Cap Option 2 (Covering Option) - For mud slabs, clean loose dust or dirt from the

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pile cap and mud slab surface using a clean, dry cloth or brush. Apply a continuous 90 mil (2.2 mm) coating of Bituthene Liquid Membrane or Procor over the top of the pile cap. Place a 1" (25.4 mm) bead of Liquid Membrane or Procor around all penetrations at the point of penetration through the pile cap. Prime along the edge of the mud slab a minimum of 6" (150 mm) from the edge of pile cap with a Bituthene Primer and allow to dry. Align a 9" (225 mm) strip of Bituthene Membrane centered over the edge of the pile cap. Remove release liner and roll firmly onto the Liquid Membrane and primed mud slab. Install Preprufe Membrane over the prepared substrate and terminate it 2" (51 mm) onto the pile cap. Apply Preprufe Tape centered over the Preprufe Membrane termination. Remove the release liner and roll firmly. Seal Bituthene Membrane and Preprufe Tape edge with a termination bead of Liquid Membrane.

Pile Cap Option 2 for Compacted Earth

Apply a continuous 90 mil (2.2 mm) coating of Bituthene Liquid Membrane or Procor over the top of the pile cap. Place a 1" (25.4 mm) bead of Liquid Membrane or Procor around all penetrations at the point of penetration through the pile cap. Remove compacted earth away from the sides of pile cap. Clean loose dust or dirt from the pile cap surface using a clean, dry cloth or brush.

Prime the sides of the pile cap a minimum of 6" (150 mm) from the top of pile cap with a Bituthene Primer and allow to dry. Align a 9" (225 mm) strip of Bituthene Membrane centered over the outside edge (outside corner) of the pile cap. Remove release liner and roll firmly onto the Liquid Membrane and primed sides of pile cap. Align a 12" (300 mm) strip of Bituthene Membrane centered over the outside edge (outside corner) of the pile cap. Remove half of release liner by scoring release liner along the center of the strip.

Roll firmly onto the sides of pile cap with the 9" (225 mm) strip of Bituthene Membrane and the remaining primed pile cap. Leave the other half of the 12" (300 mm) strip with the release liner still intact in order to receive the Preprufe Membrane. Replace earth/fill and compact per standard back-filling instructions being careful not to damage the Bituthene strip including the non-bonded portion. Invert the Bituthene strip, and remove the remaining release liner to expose the adhesive portion of the Bituthene.

Install Preprufe Membrane over the prepared substrate and terminate it 2" (51 mm) onto the pile cap. Roll firmly onto the inverted Bituthene strip. Apply Preprufe Tape centered over the Preprufe Membrane termination. Remove the release liner and roll firmly. Seal Bituthene Membrane and Preprufe Tape edge with a termination bead of Liquid Membrane.

Pile Cap Option 2 for Non-Continuous Covering

If the Structural Engineer or the design does not allow for the waterproofing to "cover" the pile cap, there must be a minimum 6" (150 mm) continuous shoulder along the perimeter of the pile cap to allow for a proper termination. Apply a continuous 90 mil (2.2 mm) coating of Bituthene Liquid Membrane or Procor onto the top of the pile cap along the outside edge.

Apply a 6" (150 mm) strip of Bituthene Membrane onto the Bituthene Liquid Membrane or Procor along the edge of the pile cap. Install Preprufe Membrane over the prepared substrate and terminate it 2" (51 mm) onto the pile cap. Apply Preprufe Tape centered over the Preprufe Membrane termination. Remove the release liner and roll firmly. Seal Bituthene Membrane and Preprufe Tape edge with a termination bead of Liquid Membrane.

Construction Joints

Install the Preprufe membrane according to standard horizontal and vertical application instructions detailed above. Preprufe CJ Tape should be applied to the surface of the Preprufe membrane and centered along the line of all concrete joints. Remove release liner and roll firmly.

Tie-Ins

Preprufe 160R to Preprufe 300R Sub Slab Waterproofing - Install Preprufe 300R Membrane over the prepared substrate as detailed in horizontal and vertical applications above. Continue onto the vertical surface of the prepared soil retention system a minimum of 18" (450 mm) above the finished elevation of the structural floor slab.

Secure the top of the membrane to temporarily hold it in place on the vertical substrate. Care should be taken to prevent damage to this exposed membrane from concrete back-splash as well as slag from rebar welding in wall forms. The exposed membrane on the vertical surface can be protected with protection board, plywood or other materials.

Following the vertical application instructions detailed above, install Preprufe 160R Membrane over the prepared vertical soil retention system. Unfasten the vertical length of the Preprufe 300R Membrane and tuck the Preprufe 160R behind the 18" (450 mm) length of Preprufe 300R, ensuring a minimum 3" (75 mm) lap. Complete the detail by installing Preprufe Tape centered over the lap being careful to seal any holes from fasteners. Roll firmly and remove the release liner.

Preprufe 300R to Post-Applied Wall Waterproofing - There are 2 options available to tie Preprufe 300R Membrane into wall waterproofing. In Option 1, the Preprufe 300R Membrane is installed under the concrete slab and the footing. Option 2 is intended for applications where the Preprufe 300R Membrane and wall waterproofing are connected through the wall and footing junction.

- Option 1 - Install Preprufe 300R Membrane over the prepared horizontal substrate and extend it up the vertical surface of the slab formwork. Terminate the membrane 6" (150 mm) above the top elevation of the structural floor slab or wall footing. Once the slab or footing is poured and cured for 7 days, remove the forms and trim the excess membrane above the slab (see Technical Letters). Install the wall membrane according to standard application procedures of the post-applied waterproofing manufacturer. Ensure that the wall membrane overlaps onto the surface of the Preprufe 300R by a minimum of 6" (150 mm).
- Option 2 - Prior to the pouring of the wall, apply a 90 mil (2.2 mm) coating of Bituthene Liquid Membrane on top of the footing area using standard application procedures. Extend the Bituthene Liquid Membrane 3" (75 mm) beyond the proposed wall width in each direction. Install the wall membrane according to standard application procedures of the post-applied waterproofing manufacturer. Ensure that the wall membrane overlaps onto the surface of the Preprufe 300R by a minimum of 6" (150 mm). On the inside of the wall, install a minimum 9" (225 mm) strip of Bituthene sheet membrane over the Bituthene Liquid Membrane that extends beyond the footing area. Install Bituthene Membrane by removing the release liner and firmly rolling the product in place. Install Preprufe 300R Membrane over the prepared substrate and terminate it at the center of the Bituthene sheet membrane strip. Apply Preprufe CJ Tape centered over the Preprufe

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300R Membrane termination. Remove the release liner and roll firmly.

Preprufe 160R to Plaza Deck Waterproofing - Install Preprufe 160R over the prepared vertical surface following the standard vertical application instructions above. Terminate the Preprufe 160R Membrane 6" (150 mm) above the proposed height of the finished wall. Once the wall is poured and properly cured, remove temporary forming and trim the excess Preprufe 160R remaining above the wall. Install the plaza deck waterproofing according to the manufacturer's standard installation procedures. Ensure that the plaza deck waterproofing overlaps the 160R membrane a minimum of 9" (225 mm) and terminate it onto the Preprufe 160R using a bead of Bituthene Liquid Membrane.

Preprufe 160R to Post-Applied Wall Waterproofing - Install Preprufe 160R over the prepared vertical surface following the standard vertical application instructions above. Extend the Preprufe 160R Membrane 12" (300 mm) beyond the end of the blind-side wall. As the foundation wall formwork is installed, fold the 12" (300 mm) piece of Preprufe 160R Membrane to form a sharp corner. Secure it to the inside face of the exterior form panel. Once the wall is poured and cured for seven days, remove the formwork and install the post-applied waterproofing according to the manufacturer's standard installation procedures.

Preprufe 300R Membrane Wall Termination

- Option 1 (Liquid Membrane Detail) - Install Preprufe 300R Membrane over a mud slab as detailed in horizontal applications above. For compacted earth, contact a local Grace representative. Install Preprufe 300R Membrane tight to all vertical and horizontal intersections. At the termination of the membrane, place a 1" (25.4 mm) fillet of Bituthene liquid membrane and trowel a 90 mil (2.2 mm) coating a minimum of 3" (75 mm) onto vertical and horizontal surfaces. Remove the release liner and install a minimum 12" (300 mm) strip of Bituthene Membrane centered over the horizontal termination. Install Preprufe Tape to cover the strip of Bituthene Membrane by overlapping a minimum of 1" (25.4 mm) until a minimum of 2" (51 mm) overlap onto the Preprufe Membrane is achieved. Terminate the top edge of the strip of Bituthene Membrane and Preprufe Tape along the wall with a bead of Bituthene Liquid Membrane.
- Option 2 (Sheet Membrane Detail) - Install Preprufe 300R Membrane over the prepared substrate as detailed in horizontal applications above. Install Preprufe 300R Membrane tight to all vertical and horizontal intersections. Install a minimum 6" (150 mm) strip of Bituthene Membrane on the vertical surface along the joint. Mix and apply Bituthene Liquid Membrane to form a minimum 1" (25.4 mm) continuous fillet between the Preprufe Membrane and the wall. Install Preprufe CJ Tape 6" (150 mm) from the edge of the wall onto the Preprufe Membrane and terminate 2" (51 mm) onto the strip of Bituthene Membrane. Install Preprufe CJ Tape onto the strip of Bituthene Membrane and overlap onto the previous Preprufe CJ Tape a minimum of 2" (51 mm). Terminate the top edge of the strip of Bituthene Membrane and Preprufe Tape along the wall with a bead of Bituthene Liquid Membrane.

Membrane Repair

Inspect the membrane for damage before placement of reinforcing steel, formwork and concrete. Repair small punctures 1/2" (12 mm), or less, and slices by applying Preprufe Tape centered over the damaged area and roll firmly. Remove the release liner from the tape. Repair holes and large punctures by applying a patch of Preprufe membrane, which extends 6" (150 mm) beyond the damaged area. Seal all edges of the patch with Preprufe Tape, remove the release liner from the tape and roll firmly.

CONCRETE PLACEMENT

Lightly soiled membrane should be cleaned with air blower and heavily soiled membrane should be cleaned with a power-washer. Cast concrete within 56 days (42 days in hot climates) of application of the membrane. Concrete must be placed carefully to avoid damage to the membrane. Never use a sharp object to consolidate concrete.

REMOVAL OF FORMWORK

Preprufe Membranes can be applied to removable formwork, such as slab perimeters, elevator and lift pits, etc. Once the concrete is poured, the formwork must remain in place until the concrete has gained sufficient compressive strength to develop the surface bond. Preprufe Membranes are not recommended for conventional twin-sided wall forming systems.

A minimum concrete compressive strength of 1500 psi (10 N/mm^2) is recommended prior to stripping formwork supporting Preprufe Membranes. Premature stripping may result in displacement of the membrane and/or spalling of the concrete.

As a guide, to reach the minimum compressive strength stated above, a structural concrete mix with an ultimate strength of 6000 psi (40 N/mm^2) will typically require a cure time of approximately 6 days at an average ambient temperature of 25 degrees F (-4 degrees C) or 2 days at 70 degrees F (21 degrees C).

6. Availability & Cost

AVAILABILITY

A network of distributors carries Preprufe and Bituthene products for prompt delivery to project sites.

COST

For specific information, contact a local distributor or a Grace Construction Products representative.

7. Warranty

A 5 year material warranty for Preprufe and Bituthene membrane products is available from the manufacturer upon request.

8. Maintenance

Preprufe 300R and Preprufe 160R membranes will not require maintenance when installed in accordance with Grace's recommendations.

9. Technical Services

Support is provided by full-time, technically trained Grace field sales representatives and technical service personnel, backed by a central research and development staff.

10. Filing Systems

- Reed First Source
- Additional product information is available from the manufacturer.

W. R. Grace & Co. -Conn. hopes the information here will be helpful. It is based upon data and knowledge considered to be true and accurate and is offered for the users' consideration, investigation and verification, but we do not warrant the results to be obtained. Please read all statements, recommendations and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation or suggestion is intended for any use which would infringe any patent or copyright. W. R. Grace & Co. -Conn., 62 Whittemore Avenue, Cambridge, MA 02140. In Canada, W. R. Grace & Co. Canada, Ltd., 294 Clements Road, West, Ajax, Ontario, Canada L1S 3C6.

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HEALTH AND SAFETY PLAN
86 FLEET PLACE

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TABLE OF CONTENTS

Page No.

1.0 INTRODUCTION 1

1.1 General 1
1.2 Site Location and Background 1
1.3 Summary of Work Tasks 2

2.0 IDENTIFICATION OF KEY PERSONNEL/HEALTH AND SAFETY PERSONNEL 2

2.1 Langan Project Manager (PM) 2
2.2 Langan Corporate Health and Safety Manager (HSM) 3
2.3 Langan Site Health & Safety Officer (HSO) 3
2.4 Subcontractor Responsibilities 4

3.0 TASK/OPERATION SAFETY AND HEALTH RISK ANALYSES 4

3.1 Chemical Exposure Hazards 4
3.2 Physical Hazards 4
3.3 Task-By-Task Risk Analysis 4
3.4 Job Safety Analysis 4

4.0 PERSONNEL TRAINING 5

4.1 Basic Training 5
4.2 Initial Site-Specific Training 5
4.3 Tailgate Safety Briefings 5

5.0 MEDICAL SURVEILLANCE 6

5.1 Fitness for Duty 6

6.0 AIR MONITORING 6

6.1 General 6
6.2 Action Levels 6

7.0 PERSONAL PROTECTIVE EQUIPMENT (PPE) 7

7.1 Levels of Protection 7
7.2 Respirator Fit-Test 8

8.0 SITE CONTROL 9

8.1 Site Communications Plan 9
8.2 Work Zones 9
8.3 The Buddy System 9
8.4 Nearest Medical Assistance 10
8.5 Standing Orders/Safe Work Practices 10
8.6 Site Security 10
8.7 Underground Utilities 10
8.8 Site Safety Inspection 11
8.9 Hand and Power Tools 11

9.0 DECONTAMINATION PLAN 11

9.1 General 11
9.2 Decontamination Procedures 12
9.3 Disposal of Decontamination Wastes 12

10.0 EMERGENCY RESPONSE 12

10.1 General 12
10.2 Responsibilities 12
10.3 Evacuation 12
10.4 Emergency Contacts/Notification System 13
10.5 Emergency Medical Treatment 13
10.6 Fire or Explosion 14
10.7 Spills/Leaks 14
10.8 Adverse Weather Conditions 14
10.9 Underground Utilities 15
10.10 Documentation 15

11.0 CONFINED SPACE ENTRY 15

12.0 HASP ACKNOWLEDGEMENT FORM 16

LIST OF TABLES

Table 1 Task Risk Analysis
Table 2 Summary of Monitoring Equipment
Table 3 Instrumentation Action Levels
Table 4 Emergency Notification List*****

LIST OF FIGURES

Figure 1 Site Location Map
Figure 2 Site Plan
Figure 3 Route to Hospital (map with directions)*****

LIST OF APPENDICES

Appendix A Standing Orders*
Appendix B Decontamination Procedures
Appendix C Employee Exposure/Injury Incident Report
Appendix D Calibration Log
Appendix E Material Data Safety Sheets (MSDS)*
Appendix F Jobsite Safety Inspection Checklist
Appendix G Job Safety Analysis Forms
Appendix H Tailgate Safety Briefing

***** Items to be posted prominently on site, or made readily available to personnel.

1.0 INTRODUCTION

1.1 General

This Health and Safety Plan (HASP) has been developed by Langan to comply with Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1910.120(b)(4), *Hazardous Waste Operations and Emergency Response*. This HASP addresses all of the foreseeable activities to be conducted at 86 Fleet Place, Brooklyn, NY. This HASP will be implemented by Langan personnel while on site. Compliance with this HASP is required of all Langan personnel.

The management of the day-to-day site activities and implementation of this HASP in the field is the responsibility of the site Health and Safety Officer (HSO). Assistance in the implementation of this HASP can also be obtained from the Langan Health and Safety Manager (HSM). The content of this HASP may change or undergo revision based upon additional information made available to health and safety personnel, monitoring results, or changes in the scope of work.

1.2 Site Location and Background

The site is bound by Myrtle Avenue on the north, Fair Street on the south, a 37-story high-rise structure on the west, and the extension of Fleet Place on the east in downtown Brooklyn, New York. The site is an about 33,000 square-feet trapezoidal lot and it was previously occupied by on-grade parking and one-story retail buildings that were demolished to make way for the new development. Site grades slope from about el 37.5 (Brooklyn President Borough Datum) at the southwest corner of the site to about el 28 at the northeast corner of the site.

According to schematic designs, the proposed structure will be a 400-feet-tall L-shape high rise resting on a podium, which will cover the entire site. At this time, one cellar level is contemplated for the new development; however, a second cellar for additional parking maybe included below a portion or the entire site.

1.3 Summary of Work Tasks

The general categories of work tasks being performed by Langan include:

1.3.1 Oversee soil borings

Task involves overseeing the Contractor's drilling of two soil borings.

1.3.2 Oversee soil vapor installation

Task involves overseeing the Contractor's installation of three soil vapor points.

1.3.3 Oversee well installation

Task involves overseeing the Contractor's installation of two monitoring wells.

1.3.4 Collection of soil, groundwater, and soil vapor samples in accordance with the RIWP

Task involves the collection of soil samples for laboratory analysis as specified in the RIWP.

2.0 IDENTIFICATION OF KEY PERSONNEL/HEALTH AND SAFETY PERSONNEL

The following briefly describes the health and safety (H&S) designations and general responsibilities that may be employed for this site. The titles have been established to accommodate the project needs and requirements and insure the safe conduct of site activities. The H&S personnel requirements for a given work location are based upon the proposed site activities.

2.1 Langan Project Manager (PM)

The Langan Project Manager (PM) is Brandon Nathe. His responsibilities include:

- Ensuring that this HASP is developed and approved prior to on-site activities.
- Ensuring that all the tasks in the project are performed in a manner consistent with Langan's comprehensive *Health and Safety Program for Hazardous Waste Operations* and this HASP.

2.2 Langan Corporate Health and Safety Manager (HSM)

The Langan Corporate Health and Safety Manager (HSM) is Tony Moffa. His responsibilities include:

- Updating the *Health and Safety Program for Hazardous Waste Operations*.
- Assisting the site Health and Safety Officer (HSO) with development of the HASP, updating HASP as dictated by changing conditions, jobsite inspection results, etc. and approving changes to this HASP.
- Assisting the HSO in the implementation of this HASP and conducting Jobsite Safety Inspections and assisting with communication of results and correction of shortcomings found.
- Maintaining records on personnel (medical evaluation results, training and certifications, accident investigation results, etc.).

2.3 Langan Site Health & Safety Officer (HSO)

The Langan site Health and Safety Officer (HSO) is Alan Mason. The Site HSO responsibilities include:

- Participating in the development and implementation of this HASP.
- The management of the day-to-day site activities and implementation of this HASP in the field
- Conducting Tailgate Safety Meetings and Jobsite Safety Inspections and correcting any shortcomings in a timely manner.
- Ensuring that proper PPE is available, worn by employees and properly stored and maintained.
- Controlling entry into and exit from the site contaminated areas or zones.
- Monitoring employees for signs of stress, such as heat stress, fatigue, and cold exposure.
- Monitoring site hazards and conditions.
- Knowing (and ensuring that all site personnel also know) emergency procedures, evacuation routes, and the telephone numbers of the ambulance, local hospital, poison control center, fire department, and police department.
- Resolving conflicts that may arise concerning safety requirements and working conditions.

- Reporting all incidents, injuries and near misses to the Langan Incident/Injury Hotline immediately and the client representative.

2.4 Subcontractor Responsibilities

- Langan Subcontractors are being used on this site.

3.0 TASK/OPERATION SAFETY AND HEALTH RISK ANALYSES

This section provides an assessment of the general hazards that may be encountered during field work activities at the site through a task-by-task risk analysis. Potential hazards, generally categorized as chemical exposure and physical hazards are addressed below.

3.1 Chemical Exposure Hazards

Known and suspected chemical contaminant hazards that could be encountered during site operations are detailed in Table 1, Part A. A complete inventory of material safety data sheets (MSDS) for chemical products used on site can be found in Appendix E.

3.2 Physical Hazards

Physical hazards, which may be encountered during site operations for this project, are detailed in Table 1, Part B.

3.3 Task-By-Task Risk Analysis

Through information gathering, inspection, and monitoring, hazards that are potentially present have been determined for each specific task described in Table 1. This table provides a summary of chemical exposure and physical hazards that could potentially be encountered by personnel during each task effort.

3.4 Job Safety Analysis

A Job Safety Analysis (JSA) is a process to identify existing and potential hazards associated with each job or task so these hazards can be eliminated, controlled or minimized. A JSA will be performed at the beginning of each work day, and additionally whenever an employee begins a new task or moves to a new location. All JSA must be developed and reviewed by all parties involved. A blank JSA form and documentation of

completed JSAs are in Appendix G.

4.0 PERSONNEL TRAINING

4.1 Basic Training

Completion of an initial 40-hour Hazardous Waste Operations and Emergency Response (HAZWOPER) training program as detailed in OSHA's 29 CFR 1910.120(e) is required for all Langan and Langan-subcontractor employees who will perform work in areas where the potential for a toxic exposure exists. Annual eight-hour refresher training is also required to maintain competencies to ensure a safe work environment. In addition to these training requirements, supervisory personnel must also receive eight additional hours of specialized management training. Training records are maintained by the HSM.

4.2 Initial Site-Specific Training

Training will be provided to specifically address the activities, procedures, monitoring, and equipment for site operations at the beginning of each field mobilization and the beginning of each discrete phase of work. The training will include the site and facility layout, hazards, and emergency services at the site, and will detail all the provisions contained within this HASP. Specific issues that will be addressed include the hazards described in Section 3.0.

4.3 Tailgate Safety Briefings

Before starting work each day or as needed, the Langan HSO will conduct a brief tailgate safety briefing meeting to assist site personnel in conducting their activities safely. Tailgate meetings will be documented using the Tailgate Safety Briefing template in Appendix H. Briefings will include the following:

- Scope of work for the day,
- Review of safety information relevant to planned tasks and environmental conditions
- New activities/task being conducted;
- Results of Jobsite Safety Inspection Checklist;
- Changes in work practices;
- Safe work practices; and

- Discussion and remedies for noted or observed deficiencies.

5.0 MEDICAL SURVEILLANCE

5.1 Fitness for Duty

All personnel who will be performing field work involving potential exposure to toxic and hazardous substances will be required to have passed an initial baseline medical examination, with follow-up medical exams thereafter, consistent with 29 CFR 1910.120(f). Medical evaluations will be performed by, or under the direction of, a physician board-certified in occupational medicine.

Additionally, personnel who may be required to perform work while wearing a respirator must receive medical clearance as required under CFR 1910.134(e), *Respiratory Protection*. Again, medical evaluations will be performed by, or under the direction of, a physician board-certified in occupational medicine. Results of medical evaluations are maintained by the HSM.

6.0 AIR MONITORING

6.1 General

In many instances, it will be necessary to monitor the atmospheric conditions during on-site work activities to identify and quantify airborne contaminants; to assist in defining work zones; and, to determine the level of work protection needed. Air monitoring will be performed wherever the possibility of worker exposure to hazardous substances exists. Air monitoring will be performed at the worker's breathing zone. Upgrades/downgrades to personal protective equipment (PPE) will be made based on air monitoring results in the breathing zone. The Air monitoring device will be calibrated daily and readings will be recorded in the field log or in Appendix D.

6.2 Action Levels

Photoionization detectors (PIDs) and particulate (dust) monitors will be used to evaluate action levels during investigation activities. Table 2 provides a summary explanation of available monitoring equipment.

Breathing zone readings should be taken at the start of work in all areas each day, as well as during the excavation, and frequently whenever strong odors are detected. Before any field activities commence, the background levels of the site will be monitored and recorded away from the areas of potential contamination to representative conditions. Action levels for monitored gases based on PID readings are provided in Table 3.

Work will be stopped immediately and crews will remove themselves to fresh air if workers are experiencing potential acute physical symptoms of exposure such as irritation, nausea, drowsiness or headache. Work will not recommence in the area until reasoning for irritation is determined and appropriate control measures have been taken.

7.0 PERSONAL PROTECTIVE EQUIPMENT (PPE)

7.1 Levels of Protection

Langan will provide PPE to workers to protect them from the specific hazards they are likely to encounter on-site. Selection of the appropriate PPE must take into consideration: (1) identification of the hazards or suspected hazards; (2) potential exposure routes; and, (3) the performance of the PPE construction (materials and seams) in providing a barrier to these hazards.

Based on anticipated site conditions and the proposed work activities to be performed at the site, Level D Protection will be used. The upgrading/downgrading of the level of protection will be based on continuous air monitoring results as described in Section 6.0. The decision to modify standard PPE will be made by the site HSO after conferring with the PM. The levels of protection are described below.

Level D Protection (as needed)

- Safety glasses with side shields or chemical splash goggles.
- Safety boots/shoes
- Coveralls (Tyvek® or equivalent)
- Hard hat
- Long sleeve work shirt and work pants
- Nitrile gloves
- Hearing protection
- Reflective safety vest

Level C Protection (as needed)

- Full or Half face, air-purifying respirator, with NIOSH approved HEPA filter
- Inner (latex) and outer (nitrile) chemical-resistant gloves.
- Safety glasses with side shields or chemical splash goggles.
- Chemical-resistant safety boots/shoes
- Hard hat
- Long sleeve work shirt and work pants
- Coveralls (Tyvek® or equivalent)
- Hearing protection (as needed)
- Reflective safety vest

The action levels used in determining the necessary levels of respiratory protection and upgrading to Level C are summarized in Table 3. The written Respiratory Protection Program is maintained by the HSM and is available if needed. The monitoring procedures and equipment are outlined in Section 6.0.

7.2 Respirator Fit-Test

All Langan employees who may be exposed to hazardous substances at the work site are in possession of a full or half face-piece, air-purifying respirator and have been successfully fit-tested within the past year. Fit-test records are maintained by the HSM.

8.0 SITE CONTROL

8.1 Site Communications Plan

Verbal communications will be the primary method of communication used at the site during the remedial action/remedial investigation and routine groundwater monitoring work. Cell phones shall be used to the extent practical. In the instances where verbal communication cannot be used, such as when working in respiratory protective equipment, hand signals will be used. Hand signals will be covered during site-specific training. Hand signals and their messages:

Hand Signal	Meaning
Hand gripping throat	Out of air; cannot breathe
Grip partners wrists or place both hands around waist	Leave immediately without debate
Hands on top of head	Need assistance
Thumbs up	OK; I'm alright; I understand
Thumbs down	No; negative
Simulated "stick" break with fists	Take a break; stop work

8.2 Work Zones

The need to formally establish specific work zones (Support, Contamination Reduction, and Exclusion Zones) during site activities will be determined by the HSO. A general description of these work zones is provided in Figure 2. It is important for the safety of all concerned that appropriate barriers (cones, wooden horses, plastic fencing etc.) are in place to keep vehicles and pedestrians away from the Work Zone.

8.3 The Buddy System

When working in teams of two or more, workers will use the "buddy system" for all work activities to ensure that rapid assistance can be provided in the event of an emergency. This requires work groups to be organized such that workers can remain close together and maintain visual contact with one another. Workers using the "buddy system" have the following responsibilities:

- Provide his/her partner with assistance.
- Observe his/her partner for signs of chemical or heat exposure.
- Periodically check the integrity of his/her partner's PPE.

- Notify the HSO or other site personnel if emergency service is needed.

8.4 Nearest Medical Assistance

The address and telephone number of the nearest hospital:

The Brooklyn Hospital Center
121 Dekalb Ave
New York, NY 11205
Information Line: (718) 250-8000

Map with directions to the hospital are shown in Figure 3. This information will either be posted prominently at the site or will be available to all personnel all of the time. Further, all field personnel, including the HSO, will know the directions to the hospital.

8.5 Standing Orders/Safe Work Practices

The standing orders, which consist of a description of safe work practices that must always be followed while on-site by Langan employees and subcontractors, are shown in Appendix A. The site HSO has the responsibility for enforcing these practices. The standing orders will be posted prominently at the site, or are made available to all personnel at all times. Those who do not abide by these safe work practices will be removed from the site.

8.6 Site Security

No unauthorized personnel shall be permitted access to the work areas,

8.7 Underground Utilities

As provided in Langan's Underground Utility Clearance Guidelines, the following safe work practices should be followed by Langan personnel before and during subsurface work:

- Obtain available utility drawings from the property owner/client or operator.
- Provide utility drawings to the subcontractors.
- In the field, mark the proposed area of subsurface disturbance (when possible).
- Ensure that the one-call (811) system has been notified.

- Ensure that utilities are marked before beginning subsurface work.
- Discuss subsurface work locations with the owner/client and subcontractor.
- Obtain approval from the owner/client and operators for proposed subsurface work locations.
- Use safe digging procedures when applicable.
- Stay at least 10 feet from all equipment performing subsurface work.

8.8 Site Safety Inspection

The Langan HSO or alternate will check the work area daily, at the beginning and end of each work shift or more frequently to ensure safe work conditions. The HSO or alternate must complete the Jobsite Safety Inspection Checklist, found in Appendix F, at least weekly or before completion of work, whichever is shorter. Any deficiencies shall be shared with the HSM and PM and will be discussed at the daily tailgate meeting.

8.9 Hand and Power Tools

All hand- and electric-power tools and similar equipment shall be maintained in a safe operating condition. All electric-power tools must be inspected before initial use. Damaged tools shall be removed immediately from service or repaired. Tools shall be used only for the purpose for which they were designed. All users must be properly trained in their safe operation

9.0 DECONTAMINATION PLAN

9.1 General

All personnel, equipment, and samples leaving the contaminated area of the site must be decontaminated. Decontamination for this operation is achieved through physical removal and chemical detoxification/disinfection/sterilization. The first step in decontamination, however, is prevention and standard operating procedures have been established meant to minimize contact with wastes:

- Work habits that minimize contact with wastes are stressed.
- Disposable equipment, where appropriate, will be used.

9.2 Decontamination Procedures

Standard decontamination procedures will be used as described in Appendix B.

9.3 Disposal of Decontamination Wastes

Waste solutions generated during decontamination procedures shall be contained, collected, and stored in drums or other appropriate containers and labeled for proper off-site disposal.

10.0 EMERGENCY RESPONSE

10.1 General

Because of the hazards that may be present at the site and the conditions under which operations are conducted, it is possible that an emergency situation may develop. Emergency situations can be characterized as injury or acute chemical exposure to personnel, fire or explosion, environmental release, or hazardous weather conditions.

10.2 Responsibilities

Site Emergency Coordinator - The HSO, or his/her alternate, will serve as the Site Emergency Coordinator and shall implement emergency procedures whenever conditions warrant such action. The Site Emergency Coordinator will be responsible for assuring the evacuation, emergency treatment, emergency transport of site personnel, and notification of emergency units and the appropriate management staff. Emergency response instructions will be provided by the HSO as part of every employee's training prior to the start of work.

Employees - All employees at the site will be familiar with emergency response procedures for this work location.

10.3 Evacuation

In the event of an emergency situation, an air horn or vehicle horn will be sounded three times indicating the initiation of evacuation procedures. Loud voice command, if appropriate, can be used. All personnel will evacuate and assemble at the site entrance.

No one, except the emergency responders, will be allowed to proceed into the area once the emergency signal has been given. The Site Emergency Coordinator will ensure that access for emergency equipment is provided and that all sources of combustion (e.g., operating machinery, etc.) have been shut down once the alarm has been sounded. Wind direction will be taken into consideration for evacuation plans. Evacuation plans will be discussed at the initial Site-Specific Training and as needed at the regular safety briefings.

In all situations, when an on-site emergency results in an evacuation, personnel shall not re-enter until:

- The conditions resulting in the emergency have been corrected.
- The hazards have been reassessed.
- This HASP has been reviewed.
- Site personnel have been briefed on any changes to this HASP.

10.4 Emergency Contacts/Notification System

The fire department and other emergency response groups will be notified by telephone of the emergency as soon as possible. An emergency telephone numbers list is presented as Table 4 in this HASP. This list will either be posted prominently at the site or will be made readily available to all personnel all of the time.

10.5 Emergency Medical Treatment

Personnel Injury - In case of injury to personnel, the HSO will immediately administer emergency first aid. The ambulance/rescue squad will also be contacted as necessary. Some situations may require transport of the injured parties by automobile. Therefore, maps/directions to the nearest hospital are provided as Figure 3. Figure 3 will either be posted at the site, or will be made readily available to all personnel all of the time.

Personnel Exposure – Emergency first aid procedures to be followed are:

Skin Contact: Use copious amounts of soap and water. Wash/rinse affected areas thoroughly, and then provide appropriate medical attention. Rinse eyes with water

for at least 15 minutes.

Inhalation: Move to fresh air and/or, if necessary decontaminate and transport to emergency medical facility.

Ingestion: Decontaminate and transport to emergency medical facility.

Puncture/Laceration: Decontaminate, if possible, and transport to emergency medical facility.

10.6 Fire or Explosion

Appropriate fire extinguishers will be made available at the site for trained personnel to use on insipient stage fires without endangering the safety and health of those nearby. If the use of fire extinguishers will not extinguish the fire, immediately notify the fire department, sound the evacuation signal, and then evacuate the area, assembling at the site entrance to be accounted for and to receive further instruction.

10.7 Spills/Leaks

Control or stop the spread of minor chemical spills or contamination by utilizing the appropriate materials (absorbents, etc.), if possible. If the release is significant, or highly hazardous, immediately notify the appropriate response groups, sound the evacuation signal, evacuate the area, and assemble at the site entrance to be accounted for and to receive further instruction.

10.8 Adverse Weather Conditions

In the event of severe weather (rain, snow, sleet, heat, etc.), conditions will be assessed on site to determine if the work can proceed safely. If it is determined that the weather poses a significant hazard, site operations will be stopped and rescheduled. Some of the items to be considered prior to determining if work should continue include:

- Potential for heat stress and heat-related injuries.
- Potential for cold stress and cold-related injuries.
- Treacherous weather-related working conditions.

- Limited visibility.

10.9 Underground Utilities

In the event a utility is encountered or disturbed during subsurface work, follow these procedures:

- Immediately stop work;
- Leave the work area and retreat to a safe area;
- Call 911, if necessary;
- Contact the client representative and owner and operator of the property; and
- Immediately notify the Langan PM, HSO and Langan Incident/Injury Hotline.

10.10 Documentation

Immediately following an incident or near miss, unless emergency medical treatment is required, either the employee or a coworker must contact the Langan Incident/Injury Hotline at 201-398-4699 and the client representative to report the incident or near miss. For emergencies involving personnel injury and/or exposure, the HSO and affected employee will complete and submit an Employee Exposure/Injury Incident Report (Appendix C) to the Langan Corporate Health and Safety Manager as soon as possible following the incident.

11.0 CONFINED SPACE ENTRY

Confined spaces **will not** be entered by Langan personnel.

12.0 HASP ACKNOWLEDGEMENT FORM

All Langan field personnel and subcontractors will sign this HASP Compliance Agreement indicating that they have become familiar with this HASP and that they understand it and agree to abide by it.

Printed Name	Signature	Company	Date

TABLES

TABLE 1

TASK RISK ANALYSES

A. CONTAMINANT HAZARDS OF CONCERN

Task	Contaminant	Monitoring Device	PEL/IDLH	Source of Concentration on Site	Route(s) of Exposure	Symptoms	First Aid
1.3.1, 1.3.2, 1.3.3, 1.3.4	Iron	NA	5 ppm/NA	Soil	Inh, Abs, Ing, Con	Irrit eyes, nose; throat, lungs	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Do not induce vomiting, get medical attention.
1.3.1, 1.3.2, 1.3.3, 1.3.4	Mercury (Hg)	NA	0.01 ppm/ 1.22 ppm	Soil	Inh, Ing, Con	Irrit eyes, nose, mouth, throat, respiratory track, skin (itching, scaling, reddening or blistering). Skin contact may produce burns	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Do not induce vomiting, get medical attention.
1.3.1, 1.3.2, 1.3.3, 1.3.4	Nickel (Ni)	NA	1 ppm/10 ppm	Soil	Inh, Ing, Con	Irrit eyes, nose; throat, lungs	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Do not induce vomiting, get medical attention.
1.3.1, 1.3.2, 1.3.3, 1.3.4	Zinc (Zn)	NA	5 ppm/50 ppm	Soil	Inh, Ing, Con	Irrit eyes, skin	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Do not induce vomiting, get medical attention.
1.3.1, 1.3.2, 1.3.3, 1.3.4	Barium	NA	NA/NA	Soil	Inh, Ing, Con	Irrit eyes, skin, digestive track (nausea, vomiting, colic, and diarrhea), Chronic lung damage	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Do not induce vomiting, get medical attention.
1.3.1, 1.3.2, 1.3.3, 1.3.4	Cadmium	NA	0.001 ppm/ 50 ppm	Soil	Inh, Ing, Con	Irrit skin	Skin: Soap wash promptly. Breath: Resp. support Swallow: Do not induce vomiting, get medical attention.
1.3.1, 1.3.2, 1.3.3, 1.3.4	Lead (Pb)	NA	0.006 ppm/82 ppm	Soil	Inh, Ing, Con	Irrit eye	Eyes: irrigate, Skin: soap flush promptly, Breathing: Respiratory support, Swallow: Medical attention

Task	Contaminant	Monitoring Device	PEL/IDLH	Source of Concentration on Site	Route(s) of Exposure	Symptoms	First Aid
							immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4	Manganese	NA	5 ppm/10 ppm	Soil	Inh, Ing	Irrit: throat breathing, Ing: vomiting, lassitude	Breathing – respiratory support, swallow: medical attention immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4	Magnesium	NA	10 ppm/NA	Soil	Inh, Ing, Con	Irrit: eyes, nose, throat, skin	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support
1.3.1, 1.3.2, 1.3.3, 1.3.4	Methyl Tertiary Butyl Ether (MTBE)	PID	NA/NA	Groundwater Soil	Inh, Ing, Con	Irrit: eyes, nose, throat, skin; Ing: abdominal pain, nausea, vomiting, headache	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: medical attention, do not induce vomiting
1.3.1, 1.3.2, 1.3.3, 1.3.4	Benzene	PID	1 ppm/500 ppm Ca	Groundwater, Soil	Inh, Abs, Ing, Con	Irrit eyes, skin, nose; resp. sys.; gidd; head, nau, staggered gait; ftg, anor, lass; derm; bone marrow depres; [carc]	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4	Ethylbenzene	PID	100 ppm/800 ppm [10% LEL]	Groundwater Soil	Inh,, Ing, Con	Irrit eyes, skin, muc memb; head; derm; narco, coma	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately.
1.3.1, 1.3.2, 1.3.3, 1.3.4	Toluene	PID	200 ppm/500 ppm	Groundwater Soil	Inh, Abs, Ing, Con	Irrit eyes, nose; lass; conf; euphoria; dizz; head.; dilated pupils; lacrimation; anxiety; muscle fatigue; insomnia; pares; derm.; liver, kidney damage	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4	Xylenes	PID	100 ppm/900 ppm	Groundwater Soil	Inh, Abs, Ing, Con	Irrit eyes, skin. nose, throat; dizz, excitement, drow, inco, staggering gait; com vacuolization; anor, nau, vomit, abdom pain; derm	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4	Arsenic	NA	0.01 ppm/5 ppm	Soil	Inh, Ing, Con	Irrit eyes and skin;	Eyes: Irrigate immediately Skin: Soap wash promptly. Swallow: Medical attention immediately.

Task	Contaminant	Monitoring Device	PEL/IDLH	Source of Concentration on Site	Route(s) of Exposure	Symptoms	First Aid
1.3.1, 1.3.2, 1.3.3, 1.3.4	PCBs (Aroclor 1248 & 1254)	NA	1 ppm/5 ppm	Soil	Inh, Ing, Con	Irrit eyes	Eyes: Irrigate immediately Skin: Soap wash promptly. Swallow: Medical attention immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4	Chlordane	NA	0.5 ppm/ 100 ppm	Soil	Inh, Ing, Con	Irrit eyes and skin, fatal or cause blindness if ingested	Eyes: Irrigate immediately Skin: Soap wash promptly. Inhalation – removed to fresh air, Swallow: Medical attention immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4	Benzo(a)anthracene	NA	NA/NA	Soil	Inh, Ing, Con	Irrit eyes, skin; CNS; depress; naus; vom; liver inj; kidney inj; drow; dizz; inco; [carc]	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Induce vomiting, medical attention immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4	Benzo(a)pyrene	NA	0.2 ppm/700 ppm	Soil	Inh, Ing, Con, Abs	Irrit eyes, skin, digestive track, respiratory track	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately. Do not induce vomiting
1.3.1, 1.3.2, 1.3.3, 1.3.4	Benzo(b)fluoranthene	NA	NA/NA	Soil	Inh, Abs, Ing, Con	Irrit eyes, skin,	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4	Benzo(k)fluoranthene	NA	NA/NA	Groundwater Soil	Inh, Abs, Ing, Con	Irrit eyes, skin; irritation to gastrointestinal (nausea, vomiting, diarrhea)	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately. Do not induce vomiting
1.3.1, 1.3.2, 1.3.3, 1.3.4	Dibenzo(a,h)anthracene	NA	NA/NA	Soil	Inh, Ing, Con	Irrit eyes, skin, digestive track, respiratory track	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately. Do not induce vomiting
1.3.1, 1.3.2, 1.3.3, 1.3.4	sec-Butylbenzene	PID	NA/NA	Groundwater, Soil	Inh, Ing, Con	Irrit eyes, skin, digestive track, respiratory track	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support

Task	Contaminant	Monitoring Device	PEL/IDLH	Source of Concentration on Site	Route(s) of Exposure	Symptoms	First Aid
							Swallow: Medical attention immediately. Do not induce vomiting
1.3.1, 1.3.2, 1.3.3, 1.3.4	Naphthalene	PID	10 ppm/500 ppm	Groundwater Soil	Inh, Ing, Con	Irrit eyes, skin, digestive track, respiratory track	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately. Do not induce vomiting.
1.3.1, 1.3.2, 1.3.3, 1.3.4	n-Propylbenzene	PID	NA/NA	Groundwater Soil	Inh, Ing, Abs, Con	Irrit eyes, skin, respiratory tract; kidney, liver damage	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately. Do not induce vomiting.
1.3.1, 1.3.2, 1.3.3, 1.3.4	1,3,5-Trimethylbenzene	PID	NA/NA	Groundwater Soil	Inh, Ing, Con	Irrit eyes, skin, nose, throat, respiratory system; headache, drowsiness, lassitude (weakness, exhaustion), dizziness, nausea, incoordination; vomiting, confusion;	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately
1.3.1, 1.3.2, 1.3.3, 1.3.4	1,2,4-Trimethylbenzene	PID	NA/NA	Groundwater Soil	Inh, Ing, Con	Irrit eyes, skin, nose, throat, respiratory system; headache, drowsiness, lassitude (weakness, exhaustion), dizziness, nausea, incoordination; vomiting, confusion;	Eyes: Irrigate immediately Skin: Soap wash promptly. Breath: Resp. support Swallow: Medical attention immediately

EXPLANATION OF ABBREVIATIONS

PID = Photoionization Detector
Inh = Inhalation
Abs = Skin absorption
Ing = Ingestion
Con = Skin and/or eye contact
PEL = Permissible Exposure Limit (8-hour Time Weighted Average)
IDLH = Immediately Dangerous to Life and Health
LEL = Lower Explosive Limit
ppm = part per million
TLV = Threshold Limit Value
abdom = abdominal
anor = anorexia
arrhy = arrhythmia
card = cardiac
Ca = Considered by NIOSH to be potential occupational carcinogen
[carc] = potential occupational carcinogen
CNS = central nervous system
depres = depressant/depression
derm= dermatitis
dizz = dizziness
drow = drowsiness
ftg = fatigue
gidd = giddiness
inco = incoordination
inj = injury
lass = lassitude (weakness, exhaustion)
muc memb = mucous membrane
nau = nausea
pares = paresthesia
som = somnolence (sleepiness, unnatural drowsiness)
verti = vertigo
vis dist = visual disturbance

B. PHYSICAL HAZARDS OF CONCERN

Task	Hazard	Description	Control Measures	First Aid
1.3.1, 1.3.2, 1.3.3, 1.3.4	Skin contact	Development water spills on skin; splashes in eyes. Contact with contaminated soil during subsurface investigations /activities.	Wear proper PPE; follow safe practices	See "A" above
1.3.1, 1.3.2, 1.3.3, 1.3.4	Lacerations, abrasions, punctures	Cutting bailer twine, pump tubing, acetate liners, etc. with knife. Using tools in tight spaces, etc.	Wear proper PPE; follow safe practices	See pages 48-51, NSC "First Aid a CPR Standard" manual
1.3.1, 1.3.2, 1.3.3, 1.3.4	Inhalation	Opening wells and well development, vapor extrusion of excavated soil, dust	Follow air monitoring plan; have quick access to respirator	See "A" above.
1.3.1, 1.3.2, 1.3.3, 1.3.4	Lifting	Improper lifting/carrying of equipment and materials causing strains	Follow safe lifting techniques	Follow the RICE procedures (p.99 in NSC manual)
1.3.1, 1.3.2, 1.3.3, 1.3.4	Slips, trips, and falls	Any number of injuries could occur from slips, trips, and falls in carrying out these tasks	Good housekeeping at site, constant awareness and focus on the task	
1.3.1, 1.3.2, 1.3.3, 1.3.4	Noise	Excavation equipment, hand tools, drilling equipment.	Wear hearing protection	-
1.3.1, 1.3.2, 1.3.3, 1.3.4	Falling objects	Soil material, tools, etc. dropping from drill rigs, front-end loaders, etc.	Hard hats to be worn at all times while in work zones	-
1.3.1, 1.3.2, 1.3.3, 1.3.4	Underground/over head utilities	Excavation equipment, drill rig auger makes contact with underground object; boom touches	"One Call" before dig; follow safe practices; confirm utility locations with subcontractor	-
1.3.1, 1.3.2, 1.3.3, 1.3.4	Insects (bees, wasps, hornet, mosquitoes, and spider)	Sings, Bites	Insect Repellent, proper protective clothing (work boots, socks and light colored pants)	Field personnel who may have insect allergies (e.g., bee sting) should provide this information to the HSO or FSO prior to commencing work, and will have allergy medication on Site.

TABLE 2
Summary of Monitoring Equipment

Instrument	Operation Parameters
Photoionization Detector (PID)	**Hazard Monitored:** Many organic and some inorganic gases and vapors. **Application:** Detects total concentration of many organic and some inorganic gases and vapors. Some identification of compounds is possible if more than one probe is measured. **Detection Method:** Ionizes molecules using UV radiation; produces a current that is proportional to the number of ions. **General Care/Maintenance:** Recharge or replace battery. Regularly clean lamp window. Regularly clean and maintain the instrument and accessories. **Typical Operating Time:** 10 hours. 5 hours with strip chart recorder.
Additional equipment (if needed, based on site conditions)	
Oxygen Meter	**Hazard Monitored:** Oxygen (O_2). **Application:** Measures the percentage of O_2 in the air. **Detection Method:** Uses an electrochemical sensor to measure the partial pressure of O_2 in the air, and converts the reading to O_2 concentration. **General Care/Maintenance:** Replace detector cell according to manufacturer's recommendations. Recharge or replace batteries prior to explanation of the specified interval. If the ambient air is less than 0.5% C O_2, replace the detector cell frequently. **Typical Operating Time:** 8 – 12 hours.
Combustible Gas Indicator (CGI)	**Hazard Monitored:** Combustible gases and vapors. **Application:** Measures the concentration of combustible gas or vapor. **Detection Method:** A filament, usually made of platinum, is heated by burning the combustible gas or vapor. The increase in heat is measured. Gases and vapors are ionized in a flame. A current is produced in proportion to the number of carbon atoms present. **General Care/Maintenance:** Recharge or replace battery. Calibrate immediately before use. **Typical Operating Time:** Can be used for as long as the battery lasts, or for the recommended interval between calibrations, whichever is less.
Flame Ionization Detector (FID) with Gas Chromatography Option *(i.e., Foxboro Organic Vapor Analyzer (OVA))*	**Hazard Monitored:** Many organic gases and vapors (approved areas only). **Application:** In survey mode, detects the concentration of many organic gases and vapors. In gas chromatography (GC) mode, identifies and measures specific compounds. In survey mode, all the organic compounds are ionized and detected at the same time. In GC mode, volatile species are separated. **General Care/Maintenance:** Recharge or replace battery. Monitor fuel and/or combustion air supply gauges. Perform routine maintenance as described in the manual. Check for leaks. **Typical Operating Time:** 8 hours; 3 hours with strip chart recorder.
Potable Infrared (IR)	**Hazard Monitored:** Many gases and vapors.

Instrument	Operation Parameters
Spectrophotometer	**Application:** Measures concentration of many gases and vapors in air. Designed to quantify one or two component mixtures. **Detection Method:** Passes different frequencies of IR through the sample. The frequencies absorbed are specific for each compound. **General Care/Maintenance:** As specified by the manufacturer.
Direct Reading Colorimetric Indicator Tube	**Hazard Monitored:** Specific gas and vapors. **Application:** Measures concentration of specific gases and vapors. **Detection Method:** The compound reacts with the indicator chemical in the tube, producing a stain whose length or color change is proportional to the compound's concentration. **General Care/Maintenance:** Do not use a previously opened tube even if the indicator chemical is not stained. Check pump for leaks before and after use. Refrigerate before use to maintain a shelf life of about 2 years. Check expiration dates of tubes. Calibrate pump volume at least quarterly. Avoid rough handling which may cause channeling.
Aerosol Monitor	**Hazard Monitored:** Airborne particulate (dust, mist, fume) concentrations **Application:** Measures total concentration of semi-volatile organic compounds, PCBs, and metals. **Detection Method:** Based on light-scattering properties of particulate matter. Using an internal pump, air sample is drawn into the sensing volume where near infrared light scattering is used to detect particles. **General Care/Maintenance:** As specified by the mfr. Also, the instrument must be calibrated with particulates of a size and refractive index similar to those to be measured in the ambient air.
Monitox	**Hazard Monitored:** Gases and vapors. **Application:** Measures specific gases and vapors. **Detection Method:** Electrochemical sensor relatively specific for the chemical species in question. **General Care/Maintenance:** Moisten sponge before use; check the function switch; change the battery when needed.
Gamma Radiation Survey Instrument	**Hazard Monitored:** Gamma Radiation. **Application:** Environmental radiation monitor. **Detection Method:** Scintillation detector. **General Care/Maintenance:** Must be calibrated annually at a specialized facility. **Typical Operating Time:** Can be used for as long as the battery lasts, or for the recommended interval between calibrations, whichever is less.

TABLE 3

INSTRUMENTATION ACTION LEVELS

Photoionization Detector Action Levels	**Action Required**
Background to 5 ppm	No respirator; no further action required
> 1 ppm but < 5 ppm for > 5 minutes	1. Temporarily discontinue all activities and evaluate potential causes of the excessive readings. If these levels persist and cannot be mitigated (i.e., by slowing drilling or excavation activities), contact HSO to review conditions and determine source and appropriate response action. 2. If PID readings remain above 1 ppm, temporarily discontinue work and measure benzene concentrations. 3. If benzene concentrations below 1 ppm, continue work, if above 1 ppm, upgrade to Level C protection. 4. If sustained PID readings fall below 1 ppm, downgrading to Level D protection may be permitted.
> 5 ppm but < 150 ppm for > 5 minutes	1. Discontinue all work; all workers shall move to an area upwind of the jobsite. 2. Evaluate potential causes of the excessive readings, test for benzene concentrations, and allow work area to vent until VOC concentrations fall below 5 ppm. 3. Level C protection will continue to be used until benzene concentrations fall below 1 ppm or PID readings fall below 10 ppm.
> 150 ppm	Evacuate the work area.

Notes:
1. Parts per million (ppm)
2. ppm level based on OSHA Permissible Exposure Limit (PEL) for benzene.
3. 5 ppm level based on OSHA Short-Term Exposure Limit (STEL) maximum exposure for benzene for any 15 minute period.
4. 150 ppm level based on NIOSH Immediately Dangerous to Life and Health (IDLH) for tetrachloroethene.

Particulate (Dust) Monitoring	**Action Required**
Background to 5 ppm	No respirator; no further action required
> Between 5 mg/m^3 and 125 mg/m^3	1. Temporarily discontinue all activities and evaluate potential causes of the excessive readings. Apply dust suppression measures. If these levels persist and cannot be mitigated contact HSO to review conditions and determine source and appropriate response action. 2. If readings remain above 5 mg/m^3, temporarily discontinue work and upgrade to Level C protection. 3. If sustained readings fall below 2.5 mg/m^3, downgrading to Level D protection may be permitted.
Above 125 mg/m^3	1. Discontinue all work; all workers shall move to an area upwind of the jobsite. Apply additional dust suppression measures. 2. Evaluate potential causes of the excessive readings and allow work area to vent until concentrations fall below 125 ppm mg/m^3. 3. Level C protection will continue to be used until particulate readings fall below 2.5 mg/m^3.

Notes: 1. Milligram per cubic meter (mg/m^3)

TABLE 4
EMERGENCY NOTIFICATION LIST

Organization	Contact	Telephone
Local Police Department		911
Local Fire Department		911
Ambulance/Rescue Squad		911
Hospital		911
Langan Incident / Injury Hotline		201-398-4699
Langan Project Manager	Gerald Nicholls	609-933-5330 (cell)
Langan Health and Safety Manager (HSM)	Tony Moffa	215-756-2523 (cell)
Langan Site Health & Safety Officer (HSO)	Alan Mason	845-741-5421 (cell)
Client	John Catsimatidis	212-397-5070
National Response Center (NRC)		800-424-8802
Chemical Transportation Emergency Center (Chemtrec)		800-424-9300
Center for Disease Control (CDC)		404-639-3534
EPA (RCRA Superfund Hotline)		800-424-9346
TSCA Hotline		202-554-1404
Poison Control Center		800-222-1222

Immediately following an incident or near miss, unless emergency medical treatment is required, either the employee or a coworker must contact the Langan Incident/Injury Hotline at 201-398-4699.

FIGURES

FIGURE 1

Site Location Map

REFERENCE: THE U.S.G.S BROOKLYN AND JERSEY CITY TOPOGRAPHIC QUADRANGLE MAPS, DATED 1967, AND PHOTOREVISED IN 1979 AND 1981, RESPECTIVELY.

LANGAN

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Langan Engineering, Environmental, Surveying and Landscape Architecture, D.P.C.
Langan Engineering and Environmental Services, Inc.
Langan CT, Inc.
Langan International LLC
Collectively known as Langan

Project	Drawing Title	Project No.	Drawing No.
86 FLEET PLACE	**SITE LOCATION MAP**	170303101	**1**
		Date 5/13/2014	
		Scale NTS	
		Drawn By AM / Checked By	
BROOKLYN NEW YORK		Submission Date	

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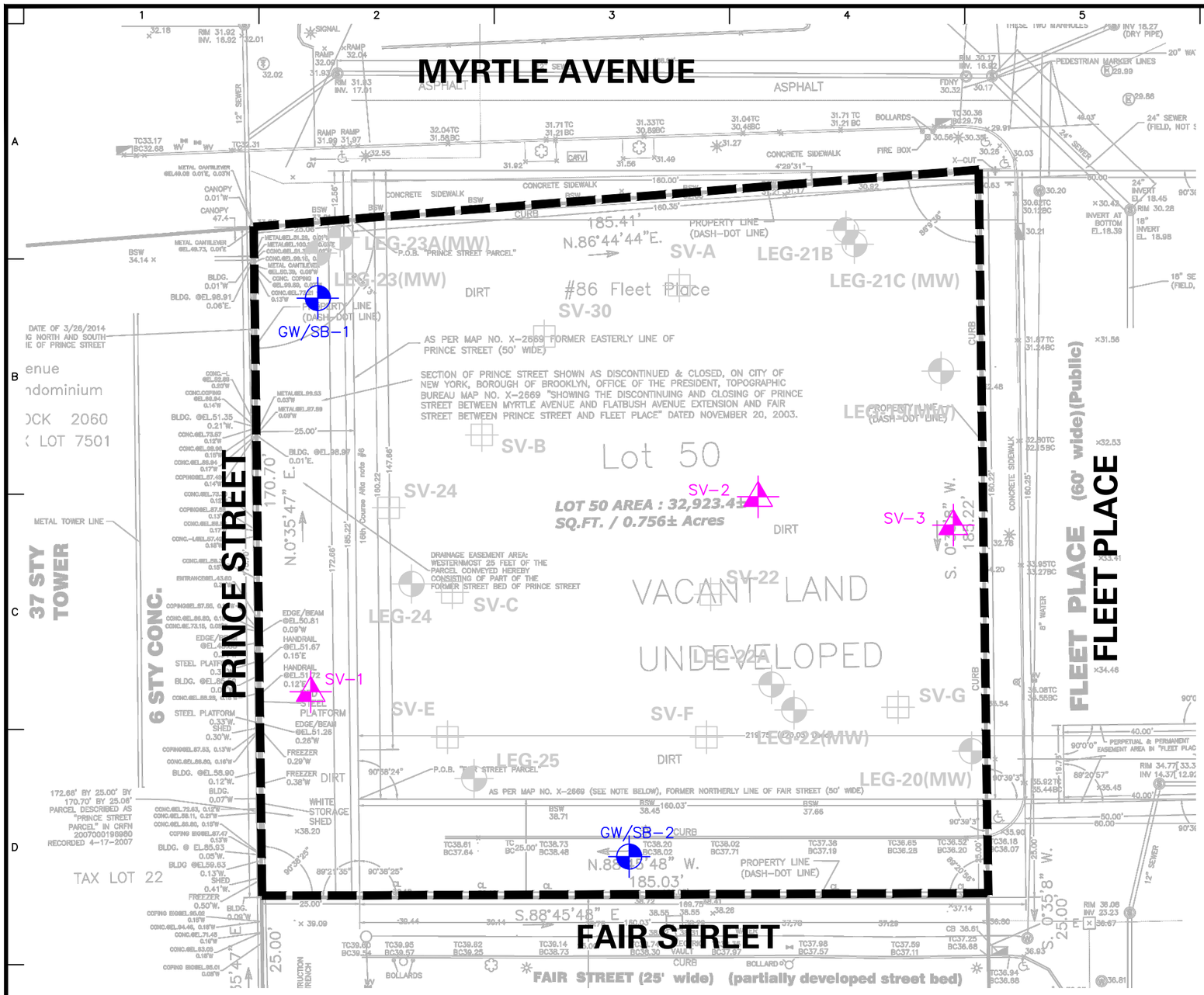
Filename: \\langan.com\data\NY\data1\170303101\Cadd Data - 170303101\2D-DesignFiles\Environmental\RI\Figure 1 - Site Location Map.dwg Date: 5/13/2014 Time: 08:58 User: amason Style Table: Langan.stb Layout: ANSIA-BP

FIGURE 2

Site Plan (N-101 – Excavation Plan)



LEGEND:

- APPROXIMATE SITE BOUNDARY
- LEG-# — APPROXIMATE LOCATION OF FORMER SOIL BORING
- LEG-#(MW) — APPROXIMATE LOCATION OF FORMER MONITORING WELL
- SV-# — APPROXIMATE LOCATION OF FORMER SUB-SLAB VAPOR OR SOIL GAS PROBE
- SV-# — PROPOSED SOIL VAPOR SAMPLING POINT
- GW/SB-# — PROPOSED SOIL BORING AND GROUNDWATER MONITORING WELL

NOTE:

BASE MAP BY TRUE NORTH SURVEYORS, P.C. (JULY 2012)

WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.

30 0 15 30
SCALE IN FEET

LANGAN
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Langan International LLC
Collectively known as Langan

Project: 86 FLEET STREET
BLOCK No. 2061, LOT No. 50
BROOKLYN
KINGS NEW YORK

Drawing Title: PROPOSED REMEDIAL INVESTIGATION LOCATION MAP

Project No. 170303101	Drawing No. 1
Date 04/30/2014	
Scale 1" = 30'	
Drawn By KMS / Checked By	
Submission Date	Sheet 1 of 1

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Filename: \\langan.com\data\NY\data1\170303101\Cadd Data - 170303101\2D-DesignFiles\FIG 1 PROPOSED REM INV LOCATIONS.dwg Date: 5/1/2014 Time: 14:21 User: ksimmons Style Table: Autodesk-MONO.stb Layout: ANSIB-BL

FIGURE 3

HOSPITAL ROUTE PLAN (The Brooklyn Hospital Center in Brooklyn, NY)

Hospital Location: 121 Dekalb Ave, Brooklyn, NY
Information Line (212) 312-5070

Route to Hospital
From 86 Fleet Place, Brooklyn, NY to The Brooklyn Hospital Center, located at 121 Dekalb Ave, Brooklyn, NY**.**

1: Head north on Fleet Pl toward Willoughby St

2: Take the 1st left onto Willoughby St

3: Take the 1st left onto Flatbush Avenue Extension

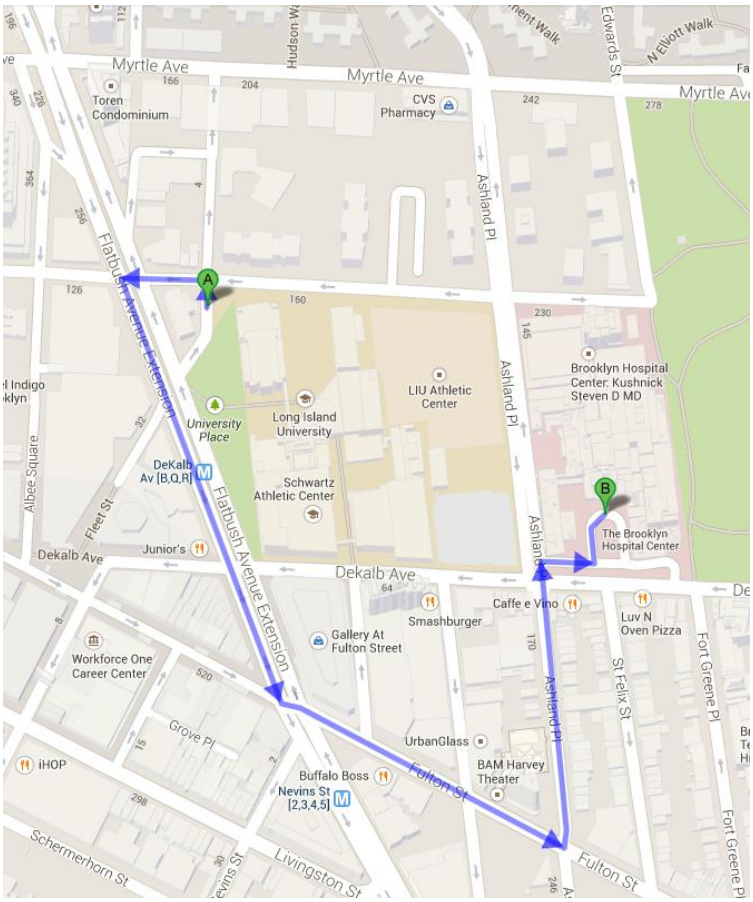
4: Turn left onto Fulton St

5: Turn left onto Ashland Pl

6: Turn right toward Brooklyn Hospital

7: Take the 1st left onto Brooklyn Hospital

Total Est. Time: **3 minutes** Total Est. Distance: **0.6 miles**



APPENDIX A

STANDING ORDERS

STANDING ORDERS

GENERAL

- No smoking, eating, or drinking in this work zone.
- Upon leaving the work zone, personnel will thoroughly wash their hands and face.
- Minimize contact with contaminated materials through proper planning of work areas and decontamination areas, and by following proper procedures. Do not place equipment on the ground. Do not sit on contaminated materials.
- No open flames in the work zone.
- Only properly trained and equipped personnel are permitted to work in potentially contaminated areas.
- Always use the appropriate level of personal protective equipment (PPE).
- Maintain close contact with your buddy in the work zone
- Contaminated material will be contained in the Exclusion Zone (EZ).
- Report any unusual conditions.
- Work areas will be kept clear and uncluttered. Debris and other slip, trip, and fall hazards will be removed as frequently as possible.
- The number of personnel and equipment in the work zone will be kept to an essential minimum.
- Be alert to the symptoms of fatigue and heat/cold stress, and their effects on the normal caution and judgment of personnel.
- Conflicting situations which may arise concerning safety requirements and working conditions must be addressed and resolved quickly by the site HSO.

TOOLS AND HEAVY EQUIPMENT

- Do not, under any circumstances, enter or ride in or on any backhoe bucket, materials hoist, or any other device not specifically designed to carrying passengers.
- Loose-fitting clothing or loose long hair is prohibited around moving machinery.
- Ensure that heavy equipment operators and all other personnel in the work zone are using the same hand signals to communicate.
- Drilling/excavating within 10 feet in any direction of overhead power lines is prohibited.
- The locations of all underground utilities must be identified and marked out prior to initiating any subsurface activities.
- Check to insure that the equipment operator has lowered all blades and buckets to the ground before shutting off the vehicle.
- If the equipment has an emergency stop device, have the operator show all personnel its location and how to activate it.
- Help the operator ensure adequate clearances when the equipment must negotiate in tight quarters; serve as a signalman to direct backing as necessary.
- Ensure that all heavy equipment that is used in the Exclusion Zone is kept in that zone until the job is done, and that such equipment is completely decontaminated before moving it into the clean area of the work zone.
- Samplers must not reach into or get near rotating equipment such as the drill rig. If personnel must work near any tools that could rotate, the equipment operator must completely shut down the rig prior to initiating such work. It may be necessary to use a remote sampling device.

APPENDIX B

DECONTAMINATION PROCEDURES

PERSONNEL DECONTAMINATION

LEVEL C DECONTAMINATION

Station 1:	Equipment Drop	1. Deposit equipment used on-site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths. Segregation at the drop reduces the probability of cross contamination. During hot weather operations, cool down stations may be set up within this area.
Station 2:	Outer Garment, Boots, and Gloves Wash and Rinse	2. Scrub outer boots, outer gloves and chemical-resistant splash suit with decon solution or detergent and water. Rinse off using copious amounts of water.
Station 3:	Outer Boot and Glove Removal	3. Remove outer boots and gloves. Deposit in container with plastic liner.
Station 4:	Canister or Mask Change	4. If worker leaves Exclusion Zone to change canister (or mask), this is the last step in the decontamination procedure. Worker's canister is exchanged, new outer gloves and boot covers donned, joints taped, and worker returns to duty.
Station 5:	Boot, Gloves and Outer Garment Removal	5. Boots, chemical-resistant splash suit, inner gloves removed and deposited in separate containers lined with plastic.
Station 6:	Facepiece Removal	6. Facepiece is removed (avoid touching face with fingers). Facepiece deposited on plastic sheets.
Station 7:	Field Wash	7. Hands and face are thoroughly washed. Shower as soon as possible.

LEVEL D DECONTAMINATION

Station 1:	Equipment Drop	1. Deposit equipment used on-site (tools, sampling devices and containers, monitoring instruments, radios, clipboards, etc.) on plastic drop cloths. Segregation at the drop reduces the probability of cross contamination. During hot weather operations, cool down stations may be set up within this area.
Station 2:	Outer Garment, Boots, and Gloves Wash and Rinse	2. Scrub outer boots, outer gloves and chemical-resistant splash suit with decon solution or detergent and water. Rinse off using copious amounts of water.
Station 3:	Outer Boot and Glove Removal	3. Remove outer boots and gloves. Deposit in container with plastic liner.
Station 4:	Boot, Gloves and Outer Garment Removal	4. Boots, chemical-resistant splash suit, inner gloves removed and deposited in separate containers lined with plastic.
Station 5:	Field Wash	5. Hands and face are thoroughly washed. Shower as soon as possible.

EQUIPMENT DECONTAMINATION

GENERAL:

Equipment to be decontaminated during the project may include tools, monitoring equipment, respirators, sampling containers, laboratory equipment and drilling equipment.

All decontamination will be done by personnel in protective gear, appropriate for the level of decontamination, as determined by the site HSO. The decontamination work tasks will be split or rotated among support and work crews.

Depending on site conditions, backhoe and pumps may be decontaminated over a portable decontamination pad to contain wash water; or, wash water may be allowed to run off into a storm sewer system. Equipment needed may include a steam generator with high-pressure water, empty drums, screens, screen support structures, and shovels. Drums will be used to hold contaminated wash water pumped from the lined pit. These drums will be labeled as such.

Miscellaneous tools and equipment will be dropped into a plastic pail, tub, or other container. They will be brushed off and rinsed with a detergent solution, and finally rinsed with clean water.

MONITORING EQUIPMENT:

Monitoring equipment will be protected as much as possible from contamination by draping, masking, or otherwise covering as much of the instruments as possible with plastic without hindering the operation of the unit. The HNu or OVA meter, for example, can be placed in a clear plastic bag, which allows reading of the scale and operation of knobs. The probes can be partially wrapped keeping the sensor tip and discharge port clear.

The contaminated equipment will be taken from the drop area and the protective coverings removed and disposed in the appropriate containers. Any dirt or obvious contamination will be brushed or wiped with a disposable paper wipe.

RESPIRATORS:

Respirators will be cleaned and disinfected after every use. Taken from the drop area, the masks (with the cartridges removed and disposed of with other used disposable gear) will be immersed in a cleaning solution and scrubbed gently with a soft brush, followed by a rinse in plain warm water, and then allowed to air dry. In the morning, new cartridges will be installed. Personnel will inspect their own masks for serviceability prior to donning them. And, once the mask is on, the wearer will check the respirator for leakage using the negative and positive pressure fit check techniques.

APPENDIX C

EMPLOYEE EXPOSURE/
INJURY INCIDENT REPORT

EMPLOYEE INCIDENT/INJURY REPORT
LANGAN ENGINEERING & ENVIRONMENTAL SERVICES

(Complete and return to Tony Moffa in the Doylestown Office)

Affected Employee Name: _____ Date: _____

Incident type: ☐ Injury ☐ Report Only/No Injury
☐ Near Miss ☐ Other: _____

EMPLOYEE INFORMATION (Person completing Form)

Employee Name: _____ Employee No: _____

Title: _____ Office Location: _____

Length of time employed or date of hire: _____

Mailing address: _____

_____

Sex: M ☐ F ☐ Birth date: _____

Business phone & extension: _____ Residence/cell phone: _____

ACCIDENT INFORMATION

Project: _____ Project #: _____

Date & time of incident: _____ Time work started & ended: _____

Site location: _____

Incident Type: Possible Exposure ☐ Exposure ☐ Physical Injury ☐

Names of person(s) who witnessed the incident: _____

_____

Exact location incident occurred: _____

_____

Describe work being done: _____

_____

_____

Describe what affected employee was doing prior to the incident occurring: _____

_____

_____

Describe in detail how the incident occurred:_____

_____

_____

_____

Nature of the incident (List the parts of the body affected):_____

_____

_____

_____

Person(s) to whom incident was reported (Time and Date): _____

_____

List the names of other persons affected during this incident: _____

_____

Possible causes of the incident (equipment, unsafe work practices, lack of PPE, etc): _____

_____

_____

Weather conditions during incident:_____

MEDICAL CARE INFORMATION

Did affected employee receive medical care? Yes ☐ No ☐

If Yes, when and where was medical care received:_____

Provide name of facility (hospital, clinic, etc.): _____

_____

Length of stay at the facility? _____

Did the employee miss any work time? Yes ☐ No ☐ Undetermined ☐

Date employee last worked: _____ Date employee returned to work:_____

Has the employee returned to work? Yes ☐ No ☐

Does the employee have any work limitations or restrictions from the injury? : Yes ☐ No ☐

If Yes, please describe: _____

_____

Did the exposure/injury result in permanent disability? Yes ☐ No ☐ Unknown ☐

If Yes, please describe: _____

HEALTH & SAFETY INFORMATION

Was the operation being conducted under an established site specific Health and Safety Plan?
Yes ☐ No ☐ Not Applicable: ☐

Describe protective equipment and clothing used by the employee:

_____

_____

_____

Did any limitations in safety equipment or protective clothing contribute to or affect exposure / injury? If so, explain:

_____

_____

_____

_____ _____
Employee Signature Date

_____ _____
Langan Representative Date

APPENDIX D

CALIBRATION LOG

DATE: _____ PROJECT: _____

CALIBRATION LOG

Date & Time	Instrument Type	Instrument Number	Media	Initial Reading	Span #	Calibration Reading	Performed By:

APPENDIX E

MATERIAL SAFETY DATA SHEETS (MSDS)

Material Safety Data Sheet

Version 4.2
Revision Date 11/21/2012
Print Date 02/04/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product name	:	1,2,4-Trimethylbenzene
Product Number	:	T73601
Brand	:	Aldrich
Supplier	:	Sigma-Aldrich 3050 Spruce Street SAINT LOUIS MO 63103 USA
Telephone	:	+1 800-325-5832
Fax	:	+1 800-325-5052
Emergency Phone # (For both supplier and manufacturer)	:	(314) 776-6555
Preparation Information	:	Sigma-Aldrich Corporation Product Safety - Americas Region 1-800-521-8956

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards
Combustible Liquid

Target Organs

Central nervous system

GHS Classification
Flammable liquids (Category 3)
Acute toxicity, Inhalation (Category 4)
Acute toxicity, Oral (Category 5)
Skin irritation (Category 2)
Eye irritation (Category 2A)
Specific target organ toxicity - single exposure (Category 3)
Acute aquatic toxicity (Category 2)

GHS Label elements, including precautionary statements

Pictogram

Signal word Warning

Hazard statement(s)

H226	Flammable liquid and vapour.
H303	May be harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H401	Toxic to aquatic life.

Precautionary statement(s)

P261	Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

HMIS Classification

Health hazard:	1
Chronic Health Hazard:	*
Flammability:	2
Physical hazards:	0

NFPA Rating

Health hazard:	2
Fire:	2
Reactivity Hazard:	0

Potential Health Effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.
Ingestion	May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula	:	C9H12
Molecular Weight	:	120.19 g/mol

Component		Concentration
1,2,4-Trimethylbenzene		
CAS-No.	95-63-6	-
EC-No.	202-436-9	
Index-No.	601-043-00-3	

4. FIRST AID MEASURES

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance.Move out of dangerous area.

If inhaled
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIREFIGHTING MEASURES

Conditions of flammability
Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.

Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special protective equipment for firefighters
Wear self contained breathing apparatus for fire fighting if necessary.

Hazardous combustion products
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Further information
Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up
Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13).

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.

Conditions for safe storage
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Components	CAS-No.	Value	Control parameters	Basis
1,2,4-Trimethylbenzene	95-63-6	TWA	25 ppm 125 mg/m3	USA. OSHA - TABLE Z-1 Limits for Air Contaminants - 1910.1000
		TWA	25 ppm 123 mg/m3	USA. ACGIH Threshold Limit Values (TLV)
		TWA	25 ppm 125 mg/m3	USA. NIOSH Recommended Exposure Limits
Remarks	hemimellitene is a mixture of the 1,2,3-isomer with up to 10% of related aromatics such as the 1,2,4-isomer.			

Personal protective equipment

Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Full contact
Material: Fluorinated rubber
Minimum layer thickness: 0.7 mm
Break through time: > 480 min
Material tested:Vitoject® (Aldrich Z677698, Size M)

Splash protection
Material: Nitrile rubber
Minimum layer thickness: 0.4 mm
Break through time: > 30 min

Material tested:Camatril® (Aldrich Z677442, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374
If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an Industrial Hygienist familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Eye protection
Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and body protection
Complete suit protecting against chemicals, Flame retardant antistatic protective clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene measures
Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

Form	liquid, clear
Colour	light blue colourless

Safety data

pH	no data available
Melting point/freezing point	-43.7 °C (-46.7 °F)
Boiling point	168.0 - 169.0 °C (334.4 - 336.2 °F)
Flash point	48.0 °C (118.4 °F) - closed cup
Ignition temperature	515 °C (959 °F)
Autoignition temperature	515.0 °C (959.0 °F)
Lower explosion limit	0.9 %(V)
Upper explosion limit	6.4 %(V)
Vapour pressure	2.3 hPa (1.7 mmHg) at 20.0 °C (68.0 °F) 6.0 hPa (4.5 mmHg) at 37.7 °C (99.9 °F) 9.3 hPa (7.0 mmHg) at 44.4 °C (111.9 °F)
Density	0.88 g/cm3
Water solubility	insoluble
Partition coefficient: n-octanol/water	no data available
Relative vapour density	no data available
Odour	no data available
Odour Threshold	no data available
Evaporation rate	no data available

10. STABILITY AND REACTIVITY

Chemical stability
Stable under recommended storage conditions.

Possibility of hazardous reactions
no data available

Conditions to avoid
Heat, flames and sparks.

Materials to avoid
Strong oxidizing agents

Hazardous decomposition products
Hazardous decomposition products formed under fire conditions. - Carbon oxides
Other decomposition products - no data available

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral LD50
LD50 Oral - rat - 5,000 mg/kg

Inhalation LC50
LC50 Inhalation - rat - 4 h - 18,000 mg/m3

Dermal LD50
no data available

Other information on acute toxicity
no data available

Skin corrosion/irritation
no data available

Serious eye damage/eye irritation
no data available

Respiratory or skin sensitization
no data available

Germ cell mutagenicity

Genotoxicity in vitro - in vitro assay - S. typhimurium - with or without metabolic activation - negative

Genotoxicity in vivo - rat - male and female - Intraperitoneal - negative

Carcinogenicity

no data available

IARC:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP:	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA:	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

no data available

Teratogenicity

no data available

Specific target organ toxicity - single exposure (Globally Harmonized System)
May cause respiratory irritation.

Specific target organ toxicity - repeated exposure (Globally Harmonized System)
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation	May be harmful if inhaled. May cause respiratory tract irritation.
Ingestion	May be harmful if swallowed.
Skin	May be harmful if absorbed through skin. May cause skin irritation.
Eyes	May cause eye irritation.

Signs and Symptoms of Exposure
prolonged or repeated exposure can cause:, narcosis, Bronchitis., Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Synergistic effects
no data available

Additional Information
RTECS: DC3325000

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish	LC50 - Pimephales promelas (fathead minnow) - 7.72 mg/l - 96.0 h
Toxicity to daphnia and other aquatic invertebrates	Immobilization EC50 - Daphnia magna (Water flea) - 3.6 mg/l - 48 h

Persistence and degradability
no data available

Bioaccumulative potential
no data available

Mobility in soil
no data available

PBT and vPvB assessment
no data available

Other adverse effects

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Toxic to aquatic life.

13. DISPOSAL CONSIDERATIONS

Product
Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable. Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
UN number: 3295 Class: 3 Packing group: III
Proper shipping name: Hydrocarbons, liquid, n.o.s.

Marine pollutant: No
Poison Inhalation Hazard: No

IMDG
UN number: 3295 Class: 3 Packing group: III EMS-No: F-E, S-D
Proper shipping name: HYDROCARBONS, LIQUID, N.O.S.
Marine pollutant: No

IATA
UN number: 3295 Class: 3 Packing group: III
Proper shipping name: Hydrocarbons, liquid, n.o.s.

15. REGULATORY INFORMATION

OSHA Hazards
Combustible Liquid

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components
The following components are subject to reporting levels established by SARA Title III, Section 313:

	CAS-No.	Revision Date
1,2,4-Trimethylbenzene	95-63-6	2007-07-01

SARA 311/312 Hazards
Fire Hazard

Massachusetts Right To Know Components

	CAS-No.	Revision Date
1,2,4-Trimethylbenzene	95-63-6	2007-07-01

Pennsylvania Right To Know Components

	CAS-No.	Revision Date
1,2,4-Trimethylbenzene	95-63-6	2007-07-01

New Jersey Right To Know Components

	CAS-No.	Revision Date
1,2,4-Trimethylbenzene	95-63-6	2007-07-01

California Prop. 65 Components
This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Further information
Copyright 2012 Sigma-Aldrich Co. LLC. License granted to make unlimited paper copies for internal use only.
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Corporation and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.sigma-aldrich.com and/or the reverse side of invoice or packing slip for additional terms and conditions of sale.

SAFETY DATA SHEET
1,3,5-TRIMETHYLBENZENE

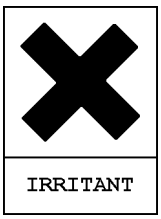
1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name	1,3,5-TRIMETHYLBENZENE
Part No.	65-113231
Applications	@@@Laboratoriekemikalie@@@
Supplier	Fisher Scientific AB gtf.info@thermofisher.com Södra Långebergsgatan 30 SE-421 32 Västra Frölunda Tel: 031-689400 Fax: 031-680717
EU index No.	601-025-00-5
EC No.	203-604-4
Gross formula	C9-H12
CAS No.	108-67-8

2. HAZARDS IDENTIFICATION

EYE CONTACT: can irritate the eyes. SKIN CONTACT: may give irritations to the skin. INGESTION: can give nausea, vomiting and diaorrea. If the substance has reached the lungs it can give pneumonia and oedemas. INHALATION: can in high concentrations give nausea, headache, dizziness, unconsciousness and coma. Causes cyanosis. Flammable. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Symbol(s)



Risk phrases

R-37 Irritating to respiratory system.
R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases

S-61 Avoid release to the environment. Refer to special instructions/ Safety Data Sheets.

CLP

Hazard pictograms

Precautionary statements

P210 Keep away from heat/sparks/open flames/hot surfaces. – No smoking. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P273 Avoid release to the environment.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Name	EC No.	CAS No.	Content	Symbol	Classification
1,3,5-TRIMETHYLBENZENE	203-604-4	108-67-8	98 %	Xi ,N	R-37, R-51/53

CLP

Name	CAS No.	REACH No.	Content	Symbol	Classification
1,3,5-TRIMETHYLBENZENE	108-67-8		98 %	GHS02, GHS09, GHS07	

Section 16 contains detailed classification phrases.

4. FIRST AID MEASURES

General

Remove victim immediately from source of exposure. Provide rest, warmth and fresh air. When unconscious, loosen tight clothing and position in secured recovery position. Secure open airways by bending head backwards, cleaning the mouth and removing false teeth.

Inhalation

Move the exposed person to fresh air at once.

Ingestion

Rinse nose, mouth and throat with water. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Give 5 tablespoons active carbon stirred in as little water as possible. Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn´t enter the lungs. Contact physician.

Skin

Promptly wash contaminated skin with soap or mild detergent and water. Promptly remove clothing if soaked through and wash as above. Contact physician if irritation continues.

Eyes

Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. To hospital or eye specialist.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Fire can be extinguished using: Water. Carbon dioxide (CO_2). Foam.

Special fire fighting procedures

Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Avoid water in straight hose stream; will scatter and spread fire.

Specific hazards

Vapours are heavier than air and may spread near ground to sources of ignition. Solvent vapours may form explosive mixtures with air.

Hazardous combustion products

Fire or high temperatures create: Carbon monoxide (CO). Carbon dioxide (CO_2).

Protective measures in fire

Firefighters exposed to combustion gases/decomposition products should use a respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES

Spill cleanup methods

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Limit spread of spilled material. Runoff or release to sewer, waterway or ground is forbidden. Absorb in vulcanic ash/dirt, sand/dry dirt, kieselguhr, mineral

wool mats or other appropriate material. Collect in closed container. Absorb small quantities with paper towels and evaporate in safe place (fume hood). Allow sufficient time for vapours to completely clear the hood ducts, then burn the paper in a location away from combustible materials. Wear necessary protective equipment. Collect and reclaim or dispose in sealed containers in licensed waste. Inform Authorities if large amounts are involved.

7. HANDLING AND STORAGE

Usage precautions

Avoid spilling, skin and eye contact. Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

Storage precautions

Flammable/combustible - Keep away from oxidisers, heat and flames. Keep in cool, dry, ventilated storage and closed containers. Store in accordance with local regulations.

Storage criteria

Chemical storage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Protective equipment

Process conditions

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash station.

Ventilation

Provide adequate general and local exhaust ventilation.

Respirators

If ventilation is insufficient, suitable respiratory protection must be provided. Gas cartridge (organic substances). At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used.

Protective gloves

Use protective gloves made of: Polyvinyl alcohol (PVA).

Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

Other Protection

Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

Hygienic work practices

Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Liquid.

Colour Colourless.

Odour Aromatic.

Solubility description Slightly soluble in water. Soluble in: Alcohol. Benzene. Ether.

Molecular weight 120.21

Boiling point (°C, interval)	163 - 165	**Pressure**	760mmHg
Melting/freezing point (°C, interval)	-45		
Density (g/cm3)	0.87	**Temperature (°C)**	20
Vapour density (air=1)	1.006		
Vapour pressure	3 mbar	**Temperature (°C)**	20

Viscosity (interval)	0.95 mPas	**Temperature (°C)**	20
Flash point (°C)	48	**Method**	Not noted.
Auto ignition temp. (°C)	560		
Flammability limit (%)	1 - 6		

10. STABILITY AND REACTIVITY

Stability Normally stable. Avoid: Heat, sparks, flames.

Conditions to avoid Avoid contact with strong oxidisers.

Hazardous decomp. products Fire or high temperatures create: Irritating gases/vapours/fumes.

11. TOXICOLOGICAL INFORMATION

Toxic dose - LD 50: 8970 mg/kg (oral rat)

Health warnings

GENERAL HEALTH HAZARDS.
Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
INHALATION.
Solvent vapours are hazardous and may cause nausea, sickness and headaches.
SKIN CONTACT.
Acts as a defatting agent on skin. May cause cracking of skin, and eczema.
EYE CONTACT.
Irritant of eyes and mucous membranes. Splashing or high vapour concentrations can damage the eyes.
INGESTION.
Attacks the mucous membranes. May cause stomach pain or vomiting.

Route of entry Inhalation. Ingestion.

Target organs Central nervous system. Respiratory system, lungs. Mucous membranes.

12. ECOLOGICAL INFORMATION

Ecotoxicity Dangerous for the environment if discharged into watercourses.

Persistence and degradability The chemical is slowly, not readily biodegradable.

Acute fish toxicity Can cause acute death of fish and aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Disposal methods Do not allow runoff to sewer, waterway or ground. Confirm disposal procedures with environmental engineer and local regulations.

14. TRANSPORT INFORMATION

Label for conveyance

Proper shipping name (international)	1,3,5 TRIMETHYLBENZENE
ROAD TRANSPORT (ADR):	
UN no. road	2325
ADR class no.	3
ADR class	Class 3: Flammable liquids.
Classification code	F1
ADR packing group	III, (D/E), LQ7, TK3
Hazard no. (ADR)	30 Flammable liquid (flash point between 23°C and 60°C, inclusive) or flammable liquid or solid in the molten state with a flash point above 60°C, heated to a temperature equal to or above its flash point, or self heating liquid.
RAIL TRANSPORT (RID):	
RID class no.	3
SEA TRANSPORT (IMDG):	
UN no. sea	2325
IMDG class	3.3
IMDG packing group	III
EmS no.	3-03
AIR TRANSPORT (IATA-DGR / ICAO-TI):	
UN no., air	2325
IATA/ICAO class	3
IATA/ICAO packing group	III

15. REGULATORY INFORMATION

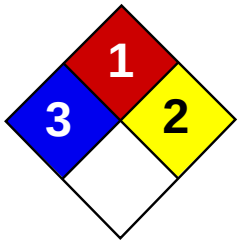
EC no.	203-604-4
Other information	EC label

16. OTHER INFORMATION

Explanations to R-phrases in section 3	R-37 Irritating to respiratory system. R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

*** Information revised since the previous version of the SDS**

Information sources	Dangerous Properties of Industrial Chemicals, 6th edition, N.Sax, 1984. OSHA Air Contaminants - Permissible Exposure Limits (Title 29). Handbook of Toxic and Hazardous Chemicals and Carcinogens, Sittig, 1985. Hazardous Materials, Emergency Response Guidebook, DOT-P 5800.3, 1984. Threshold Limit Values and Biological Exposure Indices for 1985-86.
Revision date	2011-03-28



Health	3
Fire	1
Reactivity	2
Personal Protection	E

Material Safety Data Sheet
Arsenic MSDS

Section 1: Chemical Product and Company Identification

Product Name: Arsenic

Catalog Codes: SLA1006

CAS#: 7440-38-2

RTECS: CG0525000

TSCA: TSCA 8(b) inventory: Arsenic

CI#: Not applicable.

Synonym:

Chemical Name: Arsenic

Chemical Formula: As

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Arsenic	7440-38-2	100

Toxicological Data on Ingredients: Arsenic: ORAL (LD50): Acute: 763 mg/kg [Rat]. 145 mg/kg [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, lungs, the nervous system, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Flammable in presence of open flames and sparks, of heat, of oxidizing materials.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards:
Material in powder form, capable of creating a dust explosion. When heated to decomposition it emits highly toxic fumes.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable

protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids, moisture.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.01 from ACGIH (TLV) [United States] [1995] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Lustrous solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 74.92 g/mole

Color: Silvery.

pH (1% soln/water): Not applicable.

Boiling Point: Not available.

Melting Point: Sublimation temperature: 615°C (1139°F)

Critical Temperature: Not available.

Specific Gravity: 5.72 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents, acids, moisture.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 145 mg/kg [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH. Causes damage to the following organs: kidneys, lungs, the nervous system, mucous membranes.

Other Toxic Effects on Humans:
Very hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 6.1: Poisonous material.

Identification: : Arsenic UNNA: UN1558 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Arsenic California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Arsenic Pennsylvania RTK: Arsenic Massachusetts RTK: Arsenic TSCA 8(b) inventory: Arsenic

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R22- Harmful if swallowed. R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 1

Reactivity: 2

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 1

Reactivity: 2

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References:
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987. -Liste des produits purs tératogènes, mutagènes, cancérogènes. Répertoire toxicologique de la Commission de la Santé et de la Sécurité du Travail du Québec. -Material safety data sheet emitted by: la Commission de la Santé et de la Sécurité du Travail du Québec. -SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984. -The Sigma-Aldrich Library of Chemical Safety Data, Edition II. -Guide de la loi et du règlement sur le transport des marchandises dangeureuses au canada. Centre de conformité internatinal Ltée. 1986.

Other Special Considerations: Not available.

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Last Updated: 06/09/2012 12:00 PM

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Barium Metal

MSDS # 84.00

Section 1: Product and Company Identification

Barium Metal

Synonyms/General Names: Barium
Product Use: For educational use only
Manufacturer: Columbus Chemical Industries, Inc., Columbus, WI 53925.

24 Hour Emergency Information Telephone Numbers

CHEMTREC (USA): 800-424-9300 **CANUTEC (Canada): 613-424-6666**

ScholAR Chemistry; 5100 W. Henrietta Rd, Rochester, NY 14586; (866) 260-0501; www.Scholarchemistry.com

Section 2: Hazards Identification

Soft, silvery, lustrous metal immersed in heavy mineral oil; no odor.

HMIS (0 to 4)

Health	3
Fire Hazard	3
Reactivity	2

WARNING! Flammable solid, dangerous when wet, highly toxic by ingestion.
Flammable solid, keep away from all ignition sources. Contact with water produces flammable gas.
Target organs: Central nervous system, kidneys.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Section 3: Composition / Information on Ingredients

Barium Metal (7440-39-3), 100%

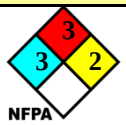
Section 4: First Aid Measures

Always seek professional medical attention after first aid measures are provided.

Eyes: Immediately flush eyes with excess water for 15 minutes, lifting lower and upper eyelids occasionally.
Skin: Immediately flush skin with excess water for 15 minutes while removing contaminated clothing.
Ingestion: Call Poison Control immediately. Rinse mouth with cold water. Give victim 1-2 tbsp of activated charcoal mixed with 8 oz water.
Inhalation: Remove to fresh air. If not breathing, give artificial respiration.

Section 5: Fire Fighting Measures

Flammable solid. When heated to decomposition, emits acrid fumes and explosive hydrogen gas.



Protective equipment and precautions for firefighters: Do Not Use carbon dioxide, foam, water or halogenated extinguishing agents. Use class D extinguisher or smother with dry sand, dry clay, dry ground limestone or dry graphite. Firefighters should wear full fire fighting turn-out gear and respiratory protection (SCBA). Material is not sensitive to mechanical impact or static discharge.

Section 6: Accidental Release Measures

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Remove all ignition sources and ventilate area. Sweep up spill and place material in a dry container for disposal. See Section 13 for disposal information.

Section 7: Handling and Storage Red

Handling: Use with adequate ventilation and do not breathe dust or vapor. Avoid contact with skin, eyes, or clothing. Wash hands thoroughly after handling.
Storage: Store in Flammable Area [Red Storage] with other flammable materials and away from any strong oxidizers. Store in a dedicated flammables cabinet. Store in a cool, dry, well-ventilated, locked store room away from incompatible materials.

Section 8: Exposure Controls / Personal Protection

Use ventilation to keep airborne concentrations below exposure limits. Have approved eyewash facility, safety shower, and fire extinguishers readily available. Wear chemical splash goggles and chemical resistant clothing such as gloves and aprons. Wash hands thoroughly after handling material and before eating or drinking. Use NIOSH-approved respirator with a dust cartridge. Exposure guidelines: Barium compounds: OSHA PEL: 0.5 mg/m^3 and ACGIH TLV: 0.5 mg/m^3, STEL: N/A.

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Section 9: Physical and Chemical Properties

Molecular formula	Ba.	**Appearance**	Silver metal in heavy mineral oil.
Molecular weight	137.33.	**Odor**	No odor.
Specific Gravity	3.62 g/mL @ 20°C..	**Odor Threshold**	N/A.
Vapor Density (air=1)	N/A.	**Solubility**	Reacts violently with water.
Melting Point	850°C.	**Evaporation rate**	N/A *(Butyl acetate = 1).*
Boiling Point/Range	1695°C.	**Partition Coefficient**	N/A *(log P_{OW}).*
Vapor Pressure (20°C)	N/A.	**pH**	N/A.
Flash Point:	N/A.	**UEL**	N/A.
Autoignition Temp.:	N/A.	**LEL**	N/A.

N/A = Not available or applicable

Section 10: Stability and Reactivity

Avoid heat and ignition sources
Stability: Stable under normal conditions of use.
Incompatibility: Water, acids, chlorine, iodine, bromine and oxidizing agents.
Shelf life: Indefinite if stored properly.

Section 11: Toxicology Information

Acute Symptoms/Signs of exposure: ***Eyes***: Stinging pain, burns, watering of eyes, inflammation of eyelids and conjunctivitis. Avoid looking at burning magnesium. ***Skin***: Irritation, redness, burns. Powdered metal ignites readily on skin causing burns. ***Ingestion***: Nausea, vomiting and headache. ***Inhalation***: Rapid irregular breathing, headache, burns to mucous membranes. Inhalation of dust or fumes causes metal fume fever.
Chronic Effects: Repeated/prolonged skin contact may cause dryness or rashes.
Sensitization: none expected
Barium: LD50 [oral, rat]; Not Available; LC50 [rat]; Not Available; LD50 Dermal [rabbit]; Not Available
Material has not been found to be a carcinogen nor produce genetic, reproductive, or developmental effects.

Section 12: Ecological Information

Ecotoxicity (aquatic and terrestrial): LC50 – 500mg/l – 96h – Cyprinodon variegates.

Section 13: Disposal Considerations

Check with all applicable local, regional, and national laws and regulations. Local regulations may be more stringent than regional or national regulations. Use a licensed chemical waste disposal firm for proper disposal.

Section 14: Transport Information

DOT Shipping Name:	Barium.	**Canada TDG:**	Barium .
DOT Hazard Class:	4.3, pg II.	**Hazard Class:**	4.3, pg II.
Identification Number:	UN1400.	**UN Number:**	UN1400.

Section 15: Regulatory Information

EINECS: Listed (231-149.1) .
WHMIS Canada: B6:D2B: Reactive Flammable: Toxic Material.
TSCA: All components are listed or are exempt.
California Proposition 65: Not listed.
The product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

Section 16: Other Information

Current Issue Date: December 19, 2011
Disclaimer: Scholar Chemistry and Columbus Chemical Industries, Inc., ("S&C") believes that the information herein is factual but is not intended to be all inclusive. The information relates only to the specific material designated and does not relate to its use in combination with other materials or its use as to any particular process. Because safety standards and regulations are subject to change and because S&C has no continuing control over the material, those handling, storing or using the material should satisfy themselves that they have current information regarding the particular way the material is handled, stored or used and that the same is done in accordance with federal, state and local law. ***S&C makes no warranty, expressed or implied, including (without limitation) warranties with respect to the completeness or continuing accuracy of the information contained herein or with respect to fitness for any particular use.***

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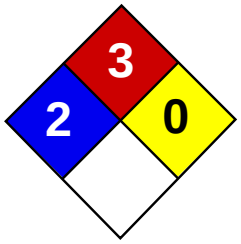

Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Benzene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Benzene

Catalog Codes: SLB1564, SLB3055, SLB2881

CAS#: 71-43-2

RTECS: CY1400000

TSCA: TSCA 8(b) inventory: Benzene

CI#: Not available.

Synonym: Benzol; Benzine

Chemical Name: Benzene

Chemical Formula: C6-H6

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Benzene	71-43-2	100

Toxicological Data on Ingredients: Benzene: ORAL (LD50): Acute: 930 mg/kg [Rat]. 4700 mg/kg [Mouse]. DERMAL (LD50): Acute: >9400 mg/kg [Rabbit]. VAPOR (LC50): Acute: 10000 ppm 7 hours [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of eye contact (irritant), of inhalation. Hazardous in case of skin contact (irritant, permeator), of ingestion. Inflammation of the eye is characterized by redness, watering, and itching.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH, 1 (Proven for human.) by IARC. MUTAGENIC EFFECTS: Classified POSSIBLE for human. Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female [POSSIBLE]. The substance is toxic to blood, bone marrow, central nervous system (CNS). The substance may be toxic to liver, Urinary System. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 497.78°C (928°F)

Flash Points: CLOSED CUP: -11.1°C (12°F). (Setaflash)

Flammable Limits: LOWER: 1.2% UPPER: 7.8%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Highly flammable in presence of open flames and sparks, of heat. Slightly flammable to flammable in presence of oxidizing materials. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Explosive in presence of oxidizing materials, of acids.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards:
Extremely flammable liquid and vapor. Vapor may cause flash fire. Reacts on contact with iodine heptafluoride gas. Dioxygenyl tetrafluoroborate is as very powferful oxidant. The addition of a small particle to small samples of benzene, at ambient temperature, causes ignition. Contact with sodium peroxide with benzene causes ignition. Benzene ignites in contact with powdered chromic anhydride. Virgorous or incandescent reaction with hydrogen + Raney nickel (above 210 C) and bromine trifluoride.

Special Remarks on Explosion Hazards:
Benzene vapors + chlorine and light causes explosion. Reacts explosively with bromine pentafluoride, chlorine, chlorine trifluoride, diborane, nitric acid, nitryl perchlorate, liquid oxygen, ozone, silver perchlorate. Benzene + pentafluoride and methoxide (from arsenic pentafluoride and potassium methoxide) in trichlorotrifluoroethane causes explosion. Interaction

of nitryl perchlorate with benzene gave a slight explosion and flash. The solution of permanganic acid (or its explosive anhydride, dimaganese heptoxide) produced by interaction of permanganates and sulfuric acid will explode on contact with benzene. Peroxodisulfuric acid is a very powferful oxidant. Uncontrolled contact with benzene may cause explosion. Mixtures of peroxomonsulfuric acid with benzene explodes.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.5 STEL: 2.5 (ppm) from ACGIH (TLV) [United States] TWA: 1.6 STEL: 8 (mg/m3) from ACGIH (TLV) [United States] TWA: 0.1 STEL: 1 from NIOSH TWA: 1 STEL: 5 (ppm) from OSHA (PEL) [United States] TWA: 10 (ppm) from OSHA (PEL) [United States] TWA: 3 (ppm) [United Kingdom (UK)] TWA: 1.6 (mg/m3) [United Kingdom (UK)] TWA: 1 (ppm) [Canada] TWA: 3.2 (mg/m3) [Canada] TWA: 0.5 (ppm) [Canada]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor:
Aromatic. Gasoline-like, rather pleasant. (Strong.)

Taste: Not available.

Molecular Weight: 78.11 g/mole

Color: Clear Colorless. Colorless to light yellow.

pH (1% soln/water): Not available.

Boiling Point: 80.1 (176.2°F)

Melting Point: 5.5°C (41.9°F)

Critical Temperature: 288.9°C (552°F)

Specific Gravity: 0.8787 @ 15 C (Water = 1)

Vapor Pressure: 10 kPa (@ 20°C)

Vapor Density: 2.8 (Air = 1)

Volatility: Not available.

Odor Threshold: 4.68 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 2.1

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether, acetone.

Solubility:
Miscible in alcohol, chloroform, carbon disulfide oils, carbon tetrachloride, glacial acetic acid, diethyl ether, acetone. Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources, incompatibles.

Incompatibility with various substances: Highly reactive with oxidizing agents, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Benzene vapors + chlorine and light causes explosion. Reacts explosively with bromine pentafluoride, chlorine, chlorine trifluoride, diborane, nitric acid, nitryl perchlorate, liquid oxygen, ozone, silver perchlorate. Benzene + pentafluoride and methoxide (from arsenic pentafluoride and potassium methoxide) in trichlorotrifluoroethane causes explosion. Interaction of nitryl perchlorate with benzene gave a slight explosion and flash. The solution of permanganic acid (or its explosive anhydride, dimaganese heptoxide) produced by interaction of permanganates and sulfuric acid will explode on contact with benzene. Peroxodisulfuric acid is a very powferful oxidant. Uncontrolled contact with benzene may cause explosion. Mixtures of peroxomonsulfuric acid with benzene explodes.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 930 mg/kg [Rat]. Acute dermal toxicity (LD50): >9400 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 10000 7 hours [Rat].

Chronic Effects on Humans:

CARCINOGENIC EFFECTS: Classified A1 (Confirmed for human.) by ACGIH, 1 (Proven for human.) by IARC. MUTAGENIC EFFECTS: Classified POSSIBLE for human. Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. DEVELOPMENTAL TOXICITY: Classified Reproductive system/toxin/female [POSSIBLE]. Causes damage to the following organs: blood, bone marrow, central nervous system (CNS). May cause damage to the following organs: liver, Urinary System.

Other Toxic Effects on Humans:
Very hazardous in case of inhalation. Hazardous in case of skin contact (irritant, permeator), of ingestion.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects (female fertility, Embryotoxic and/or foetotoxic in animal) and birth defects. May affect genetic material (mutagenic). May cause cancer (tumorigenic, leukemia)) Human: passes the placental barrier, detected in maternal milk.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation. It can be absorbed through intact skin and affect the liver, blood, metabolism,and urinary system. Eyes: Causes eye irritation. Inhalation: Causes respiratory tract and mucous membrane irritation. Can be absorbed through the lungs. May affect behavior/Central and Peripheral nervous systems (somnolence, muscle weakness, general anesthetic, and other symptoms similar to ingestion), gastrointestinal tract (nausea), blood metabolism, urinary system. Ingestion: May be harmful if swallowed. May cause gastrointestinal tract irritation including vomiting. May affect behavior/Central and Peripheral nervous systems (convulsions, seizures, tremor, irritability, initial CNS stimulation followed by depression, loss of coordination, dizziness, headache, weakness, pallor, flushing), respiration (breathlessness and chest constriction), cardiovascular system, (shallow/rapid pulse), and blood.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Benzene UNNA: 1114 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Benzene California prop. 65 (no significant risk level): Benzene: 0.007 mg/day (value) California prop. 65: This product contains the following ingredients

for which the State of California has found to cause cancer which would require a warning under the statute: Benzene Connecticut carcinogen reporting list.: Benzene Connecticut hazardous material survey.: Benzene Illinois toxic substances disclosure to employee act: Benzene Illinois chemical safety act: Benzene New York release reporting list: Benzene Rhode Island RTK hazardous substances: Benzene Pennsylvania RTK: Benzene Minnesota: Benzene Michigan critical material: Benzene Massachusetts RTK: Benzene Massachusetts spill list: Benzene New Jersey: Benzene New Jersey spill list: Benzene Louisiana spill reporting: Benzene California Director's list of Hazardous Substances: Benzene TSCA 8(b) inventory: Benzene SARA 313 toxic chemical notification and release reporting: Benzene CERCLA: Hazardous substances.: Benzene: 10 lbs. (4.536 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R11- Highly flammable. R22- Harmful if swallowed. R38- Irritating to skin. R41- Risk of serious damage to eyes. R45- May cause cancer. R62- Possible risk of impaired fertility. S2- Keep out of the reach of children. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39- Wear eye/face protection. S46- If swallowed, seek medical advice immediately and show this container or label. S53- Avoid exposure - obtain special instructions before use.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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SAFETY DATA SHEET

Based on Directive 2001/58/EC et seq. of the Commission of the European Communities

BENZ[a]ANTHRACENE

1. Identification of the substance/preparation and of the company/undertaking

1.1 Identification of the substance or preparation:

Synonyms: benzo(a)anthracene

CAS No.	: 56-55-3	**BCR number**	: BCR-271
EC index No.	: 601-033-00-9	**NFPA code**	: N.D.
EINECS No.	: 200-280-6	**Molecular weight**	: 228.30
RTECS No.	: CV9275000	**Formula**	: C18H12

1.2 Use of the substance or the preparation:
Certified reference material for laboratory use only

1.3 Company/undertaking identification:
Institute for Reference Materials and Measurements
Retieseweg
B-2440 Geel
Tel. : +32 14 57 12 11
Fax : +32 14 58 42 73

1.4 Telephone number for emergency:
+32 70 245 245
Antigifcentrum
p/a Militair Hospitaal Koningin Astrid, Bruynstraat, B-1120 Brussel

2. Composition/information on ingredients

Hazardous ingredients	CAS No. EINECS No.	Conc. in %	Hazard symbol	Risks (R-phrases)
Benzo[a]anthracene	56-55-3 200-280-6	100	T;N	45-50/53 (1)

(1) For R-phrases in full: see heading 16

3. Hazards identification

- May cause cancer
- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

4. First aid measures

4.1 Eye contact:
- Consult a doctor/medical service if irritation persists
- Rinse immediately with water

4.2 Skin contact:
- Consult a doctor/medical service if irritation persists
- Wash with water and soap
- Remove clothing before washing

4.3 After inhalation:
- Consult a doctor/medical service if breathing problems develop
- Remove the victim into fresh air
- Unconscious: maintain adequate airway and respiration

4.4 After ingestion:
- Consult a doctor/medical service if you feel unwell
- Immediately give lots of water to drink
- Never give water to an unconscious person

5. Fire-fighting measures

5.1 Suitable extinguishing media:
- Water spray
- Alcohol foam
- Polymer foam
- ABC powder
- Carbon dioxide

5.2 Unsuitable extinguishing media:
- Solid water jet ineffective as extinguishing medium

5.3 Special exposure hazards:
- Not easily combustible
- Upon combustion CO and CO2 are formed

5.4 Instructions:
- Take account of toxic firefighting water
- Use firefighting water moderately and contain it

5.5 Special protective equipment for firefighters:
- Heat/fire exposure: compressed air/oxygen apparatus
- Dust cloud production: compressed air/oxygen apparatus

6. Accidental release measures

6.1 Personal protection/precautions: see heading 8.1/8.3/10.3

6.2 Environmental precautions:
- Prevent soil and water pollution
- Substance must not be discharged into the sewer
- Dam up the solid spill

6.3 Methods for cleaning up:
- Stop dust cloud by covering with sand/earth
- Carefully collect the spill/leftovers
- Scoop solid spill into closing containers
- Take collected spill to manufacturer/competent authority
- Clean contaminated surfaces with an excess of water
- Wash clothing and equipment after handling

7. Handling and storage

7.1 Handling:
- Observe strict hygiene
- Avoid prolonged and repeated contact with skin
- Avoid raising dust
- Do not discharge the waste into the drain
- Remove contaminated clothing immediately

7.2 Storage:
- Keep container tightly closed. Store in a cool area. Store in a dry area.
- Store in a dark area.
- Keep away from: heat sources, ignition sources, oxidizing agents, acids

Storage temperature	:	N.D.	**°C**
Quantity limits	:	N.D.	**kg**
Storage life	:	N.D.	
Materials for packaging	:		

- suitable : no data available
- to avoid : no data available

7.3 Specific uses:
See information supplied by the manufacturer

8. Exposure controls/Personal protection

8.1 Exposure limit values:

TLV-TWA	:	**mg/m³**	-	**ppm**
TLV-STEL	:	**mg/m³**	-	**ppm**
TLV-Ceiling	:	**mg/m³**		**ppm**
OES-LTEL	:	**mg/m³**		**ppm**
OES-STEL	:	**mg/m³**		**ppm**
MAK	:	**mg/m³**		**ppm**
TRK	:	**mg/m³**		**ppm**
MAC-TGG 8 h	:	**mg/m³**		
MAC-TGG 15 min.	:	**mg/m³**		
MAC-Ceiling	:	**mg/m³**		
VME-8 h	:	**mg/m³**		**ppm**
VLE-15 min.	:	**mg/m³**		**ppm**
GWBB-8 h	:	**mg/m³**		**ppm**
GWK-15 min.	:	**mg/m³**		**ppm**
Momentary value	:	**mg/m³**		**ppm**
EC	:	**mg/m³**		**ppm**
EC-STEL	:	**mg/m³**		**ppm**

Sampling methods:

- Benz(a)Anthracene (Polynuclear aromatic hydrocarbons) NIOSH 5506
- Benz(a)Anthracene (Polynuclear aromatic hydrocarbons) NIOSH 5515
- Benz(a)Anthracene OSHA CSI

8.2 Exposure controls:

8.2.1 Occupational exposure controls:
- Measure the concentration in the air regularly
- Work under local exhaust/ventilation

8.2.2 Environmental exposure controls: see heading 13

8.3 Personal protection:

8.3.1 respiratory protection:
- Dust production: dust mask with filter type P3
- High dust production: compressed air/oxygen apparatus

8.3.2 hand protection:
- Gloves
  Suitable materials: No data available
- Breakthrough time: N.D.

8.3.3 eye protection:
- Safety glasses
- In case of dust production: protective goggles

8.3.4 skin protection:
- Protective clothing
- In case of dust production: head/neck protection
  Suitable materials: No data available

9. Physical and chemical properties

9.1 General information:

Appearance (at 20°C)	: Crystalline solid / Scales	
Odour	: Odourless	
Colour	: Colourless to fluorescent yellow-green	

9.2 Important health, safety and environmental information:

pH value	: N.D.	
Boiling point/boiling range	: N.A.	**°C**
Flashpoint	: N.D.	**°C**
Explosion limits	: N.D.	**vol%** (**°C**)
Vapour pressure (at 20°C)	: 0.00007	**hPa**
Vapour pressure (at 50°C)	: N.D.	**hPa**
Relative density (at 20°C)	: 1.3	
Water solubility	: 0.00001	**g/100 ml**
Soluble in	: Ether, acetone, oils/fats	
Relative vapour density	: N.D.	
Viscosity	: N.D.	**Pa.s**
Partition coëfficient n-octanol/water	: 5.61/5.79	
Evaporation rate		
ratio to butyl acetate	: N.D.	
ratio to ether	: N.D.	

9.3 Other information:

Melting point/melting range	: 160	**°C**
Auto-ignition point	: N.D.	**°C**
Saturation concentration	: N.D.	**g/m³**

10. Stability and reactivity

10.1 Conditions to avoid/reactivity:
- Stable under normal conditions

10.2 Materials to avoid:
- Keep away from: heat sources, ignition sources, oxidizing agents, acids

10.3 Hazardous decomposition products:
- Upon combustion CO and CO2 are formed
- Reacts violently with (strong) oxidizers
- Decomposes on exposure to (strong) acids

11. Toxicological information

11.1 Acute toxicity:

LD50 oral rat	: N.D.	**mg/kg**
LD50 dermal rat	: N.D.	**mg/kg**
LD50 dermal rabbit	: N.D.	**mg/kg**
LC50 inhalation rat	: N.D.	**mg/l/4 h**
LC50 inhalation rat	: N.D.	**ppm/4 h**

11.2 Chronic toxicity:

EC carc. cat.	:	2
EC muta. cat.	:	not listed
EC repr. cat.	:	not listed
Carcinogenicity (TLV)	:	A2
Carcinogenicity (MAC)	:	K
Carcinogenicity (VME)	:	not listed
Carcinogenicity (GWBB)	:	not listed
Carcinogenicity (MAK)	:	2
Mutagenicity (MAK)	:	not listed
Teratogenicity (MAK)	:	-
IARC classification	:	2A

11.3 Routes of exposure: ingestion, inhalation, eyes and skin
Caution! Substance is absorbed through the skin

11.4 Acute effects/symptoms:

AFTER SKIN CONTACT
- Slight irritation

11.5 Chronic effects:

- Probably human carcinogenic
- Mutagenicity: AMES test positive
- Probably human mutagenic

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT:
- No specific information available

SIMILAR PRODUCTS CAUSE FOLLOWING SYMPTOMS:
- Feeling of weakness
- Photoallergy
- Skin rash/inflammation
- Cracking of the skin
- Skin cancer
- Lung tissue affection/degeneration
- Enlargement/affection of the liver
- Affection of the renal tissue

12. Ecological information

12.1 Ecotoxicity:

- LC50 (65 h) : 0.0018 mg/l (PIMEPHALES PROMELAS)
- EC50 (96 h) : 0.01 mg/l (DAPHNIA PULEX)

12.2 Mobility:

- **Volatile organic compounds (VOC):** 0%

- Photolysis in water
- Ozonation in water
- Insoluble in water

For other physicochemical properties see heading 9.

12.3 Persistence and degradability:

- biodegradation BOD_5	:		N.D.	**% ThOD**
- water	:	-	Not readily biodegradable in water	
- soil	:	**T ½:**	> 100	**days**

12.4 Bioaccumulative potential:
- **log P_{ow}** : 5.61/5.79
- **BCF** : 72 h : 350 (LEUCISCUS IDUS)
- Highly bioaccumulative

12.5 Other adverse effects:

- **WGK** : 3 (Classification based on the R-phrases in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 17 May 1999)
- **Effect on the ozone layer** : Not dangerous for the ozone layer (Council Regulation (EC) 3093/94)
- **Greenhouse effect** : no data available
- **Effect on waste water purification** : no data available

13. Disposal considerations

13.1 Provisions relating to waste:

- Waste material code (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 16 05 06 (laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals)
- Waste material code (Flanders): 001, 045, 691
- Waste code (Germany): 59302
- Hazardous waste (91/689/EEC)

13.2 Disposal methods:

- Dissolve or mix with a combustible solvent
- Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber
- Do not discharge into surface water (2000/60/EEC, Council Decision 2455/2001/EC)

13.3 Packaging/Container:

- Waste material code packaging (91/689/EEC, Council Decision 2001/118/EC, O.J. L47 of 16/2/2001): 15 01 10 (packaging containing residues of or contaminated by dangerous substances)

14. Transport information

90
3077

14.1 Classification of the substance in compliance with UN Recommendations

UN number	: 3077
CLASS	: 9
SUB RISKS	: -
PACKING	: III
PROPER SHIPPING NAME	: UN 3077, Environmentally hazardous substance, solid, n.o.s. (benzo[a]anthracene)

14.2 ADR (transport by road)

CLASS	: 9
PACKING	: III
DANGER LABEL TANKS	: 9
DANGER LABEL PACKAGES	: 9

14.3 RID (transport by rail)

CLASS	: 9
PACKING	: III
DANGER LABEL TANKS	: 9
DANGER LABEL PACKAGES	: 9

14.4 ADNR (transport by inland waterways)

CLASS	: 9
PACKING	: III
DANGER LABEL TANKS	: 9
DANGER LABEL PACKAGES	: 9

14.5 IMDG (maritime transport)

CLASS	: 9
SUB RISKS	: -
PACKING	: III
MFAG	: -
EMS	: -
MARINE POLLUTANT	: P

14.6 ICAO (air transport)

CLASS	: 9
SUB RISKS	: -
PACKING	: III
PACKING INSTRUCTIONS PASSENGER AIRCRAFT	:
PACKING INSTRUCTIONS CARGO AIRCRAFT	:

14.7 Special precautions in connection with transport : none

14.8 Limited quantities (LQ) :

When substances and their packaging meet the conditions established by ADR/RID/ADNR in chapter 3.4, **only** the following prescriptions shall be complied with:
each package shall display a diamond-shaped figure with the following inscription:
- 'UN 3077'
or, in the case of different goods with different identification numbers within a single package:
- the letters 'LQ'

15. Regulatory information

Enumerated in substance list Annex I of directive 67/548/EEC et sequens

Toxic

Dangerous for the environment

R45 : May cause cancer
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S53 : Avoid exposure - obtain special instructions before use
S45 : In case of accident or if you feel unwell, seek medical advice (show the label where possible)
S60 : This material and/or its container must be disposed of as hazardous waste
S61 : Avoid release to the environment. Refer to special instructions/safety data sheets.

16. Other information

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

N.A. = NOT APPLICABLE
N.D. = NOT DETERMINED
***** = INTERNAL CLASSIFICATION

Full text of any R-phrases referred to under heading 2:

R45 : May cause cancer
R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Exposure limits:
TLV : Threshold Limit Value - ACGIH USA 2000
OES : Occupational Exposure Standards - United Kingdom 1999
MEL : Maximum Exposure Limits - United Kingdom 1999
MAK : Maximale Arbeitsplatzkonzentrationen - Germany 2001
TRK : Technische Richtkonzentrationen - Germany 2001
MAC : Maximale aanvaarde concentratie - The Netherlands 2002
VME : Valeurs limites de Moyenne d'Exposition - France 1999
VLE : Valeurs limites d'Exposition à court terme - France 1999
GWBB : Grenswaarde beroepsmatige blootstelling - Belgium 1998
GWK : Grenswaarde kortstondige blootstelling - Belgium 1998
EC : Indicative occupational exposure limit values - directive 2000/39/EC

Chronic toxicity:
K : List of the carcinogenic substances and processes - The Netherlands 2002

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **BENZO(a)PYRENE**

CAS Number: 50-32-8
DOT Number: None

RTK Substance number: 0207
Date: August 1992 Revision: July 1998

HAZARD SUMMARY

* **Benzo(a)pyrene** can affect you when breathed in and by passing through your skin.
* **Benzo(a)pyrene** is a CARCINOGEN--HANDLE WITH EXTREME CAUTION.
* Exposure may damage the developing fetus.
* **Benzo(a)pyrene** can cause skin irritation with rash and/or burning sensations. Repeated exposure can cause skin changes such as thickening and darkening.
* Exposure can irritate and/or burn the eyes on contact.
* Except in laboratories, **Benzo(a)pyrene** is usually mixed with other "Coal Tar Pitch" chemicals. CONSULT THE NEW JERSEY DEPARTMENT OF HEALTH and SENIOR SERVICES HAZARDOUS SUBSTANCE FACT SHEETS ON COAL TAR SUBSTANCES.

IDENTIFICATION

Benzo(a)pyrene is a pale yellow, crystalline solid or a powder. In its pure form it is used as a laboratory reagent. **Benzo(a)pyrene** also forms as a gaseous by-product when certain carbon substances burn, such as coal tar pitch chemicals.

REASON FOR CITATION

* **Benzo(a)pyrene** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, IARC, NIOSH, NTP, EPA, HHAG and DOT.
* This chemical is on the Special Health Hazard Substance List because it is a **CARCINOGEN** and a **MUTAGEN**.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.20.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

OSHA: The legal airborne permissible exposure limit (PEL) for *Coal Tar Pitch Volatiles* (*benzene*-soluble fraction) is **0.2 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit for *Coal Tar Pitch Volatiles* (*cyclohexane*-extractable fraction) is **0.1 mg/m^3** averaged over a 10-hour workshift.

ACGIH: ACGIH recommends that worker exposures, by all routes, be controlled to levels as low as can be reasonably achieved.

* **Benzo(a)pyrene** is a PROBABLE CARCINOGEN in humans. There may be <u>no</u> safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
* The above exposure limits are for <u>air levels only</u>. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

WAYS OF REDUCING EXPOSURE

* Enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* A regulated, marked area should be established where **Benzo(a)pyrene** is handled, used, stored, or formed.
* Wear protective work clothing.
* Wash thoroughly <u>immediately</u> after exposure to **Benzo(a)pyrene** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Benzo(a)pyrene** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Benzo(a)pyrene**:

* **Benzo(a)pyrene** can cause skin irritation with rash and/or burning sensations. Exposure to sunlight and the chemical together can increase these effects.
* Exposure can irritate and/or burn the eyes on contact.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Benzo(a)pyrene** and can last for months or years:

Cancer Hazard

* **Benzo(a)pyrene** is a PROBABLE CARCINOGEN in humans. There is some evidence that it causes skin, lung, and bladder cancer in humans and in animals.
* **Benzo(a)pyrene** has caused CANCER in the offspring of animals exposed to the substance during pregnancy.
* Many scientists believe there is no safe level of exposure to a carcinogen.

Reproductive Hazard

* **Benzo(a)pyrene** may damage the developing fetus.
* There is some evidence that **Benzo(a)pyrene** may affect sperm and testes (male reproductive glands).
* **Benzo(a)pyrene** may be transferred to nursing infants through the exposed mother's milk.

Other Long-Term Effects

* Repeated exposure to **Benzo(a)pyrene** can cause skin changes such as thickening, darkening, and pimples. Later skin changes include loss of color, reddish areas, thinning of the skin, and warts.

MEDICAL

Medical Testing

If warts or other growths on the skin get larger or change color, they should be examined by a doctor for possible early skin cancer. Skin cancer is very often easily cured when detected early.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.20.

Mixed Exposures

* Sunlight may cause a rash to develop in people exposed to **Benzo(a)pyrene** and increases the risk of skin cancer.
* Tobacco smoke also contains **Benzo(a)pyrene**. Smoking may increase the risk of lung cancer with exposure to **Benzo(a)pyrene**.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following controls are recommended:

* Where possible, automatically transfer **Benzo(a)pyrene** from drums or other storage containers to process containers.
* Use a Class I, Type B, biological safety hood when working with **Benzo(a)pyrene** in a laboratory.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Benzo(a)pyrene** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Benzo(a)pyrene**.

* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Benzo(a)pyrene**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Benzo(a)pyrene**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where the above chemicals or **Benzo(a)pyrene** are handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating or smoking.
* In laboratories DO NOT DRY SWEEP for clean-up. Use a vacuum or a wet method to reduce dust during clean-up.
* When vacuuming, a high efficiency particulate absolute (HEPA) filter should be used, not a standard shop vacuum.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Benzo(a)pyrene**. Wear protective gloves and clothing. Safety equipment suppliers/ manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear dust-proof goggles and face shield when working with powders or dust, unless full facepiece respiratory protection is worn.
* Where exposure to volatilized *Coal Tar* products may occur, wear gas-proof goggles and face shield, unless full facepiece respiratory protection is worn.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* Where the potential exists for exposures over **0.1 mg/m^3**, use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **80 mg/m^3** of *Coal Tar Pitch Volatiles* is immediately dangerous to life and health. If the possibility of exposure above **80 mg/m^3** exists, use a MSHA/NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. Because of this, and because of exposure of children or people who are already ill, community exposures may cause health problems.

Q: Don't all chemicals cause cancer?
A: No. Most chemicals tested by scientists are not cancer-causing.

Q: Should I be concerned if a chemical causes cancer in animals?
A: Yes. Most scientists agree that a chemical that causes cancer in animals should be treated as a suspected human carcinogen unless proven otherwise.

Q: But don't they test animals using much higher levels of a chemical than people usually are exposed to?
A: Yes. That's so effects can be seen more clearly using fewer animals. But high doses alone don't cause cancer unless it's a cancer agent. In fact, a chemical that causes cancer in animals at high doses could cause cancer in humans exposed to low doses.

Q: Can men as well as women be affected by chemicals that cause reproductive system damage?
A: Yes. Some chemicals reduce potency or fertility in both men and women. Some damage sperm and eggs, possibly leading to birth defects.

Q: But aren't pregnant women at the greatest risk from reproductive hazards?
A: Not necessarily. Pregnant women are at greatest risk from chemicals which harm the developing fetus. However, chemicals may affect the ability to have children, so both men and women of childbearing age are at high risk.

The following information is available from:

New Jersey Department of Health and Senior Services
Occupational Disease and Injury Services
PO Box 360
Trenton, NJ 08625-0360
(609) 984-1863
(609) 292-5677 (fax)

Web address: http://www.state.nj.us/health/eoh/odisweb/

Industrial Hygiene Information

Industrial hygienists are available to answer your questions regarding the control of chemical exposures using exhaust ventilation, special work practices, good housekeeping, good hygiene practices, and personal protective equipment including respirators. In addition, they can help to interpret the results of industrial hygiene survey data.

Medical Evaluation

If you think you are becoming sick because of exposure to chemicals at your workplace, you may call personnel at the Department of Health and Senior Services, Occupational Disease and Injury Services, who can help you find the information you need.

Public Presentations

Presentations and educational programs on occupational health or the Right to Know Act can be organized for labor unions, trade associations and other groups.

Right to Know Information Resources

The Right to Know Infoline (609) 984-2202 can answer questions about the identity and potential health effects of chemicals, list of educational materials in occupational health, references used to prepare the Fact Sheets, preparation of the Right to Know survey, education and training programs, labeling requirements, and general information regarding the Right to Know Act. Violations of the law should be reported to (609) 984-2202.

DEFINITIONS

ACGIH is the American Conference of Governmental Industrial Hygienists. It recommends upper limits (called TLVs) for exposure to workplace chemicals.

A **carcinogen** is a substance that causes cancer.

The **CAS number** is assigned by the Chemical Abstracts Service to identify a specific chemical.

A **combustible** substance is a solid, liquid or gas that will burn.

A **corrosive** substance is a gas, liquid or solid that causes irreversible damage to human tissue or containers.

DEP is the New Jersey Department of Environmental Protection.

DOT is the Department of Transportation, the federal agency that regulates the transportation of chemicals.

EPA is the Environmental Protection Agency, the federal agency responsible for regulating environmental hazards.

A **fetus** is an unborn human or animal.

A **flammable** substance is a solid, liquid, vapor or gas that will ignite easily and burn rapidly.

The **flash point** is the temperature at which a liquid or solid gives off vapor that can form a flammable mixture with air.

HHAG is the Human Health Assessment Group of the federal EPA.

IARC is the International Agency for Research on Cancer, a scientific group that classifies chemicals according to their cancer-causing potential.

A **miscible** substance is a liquid or gas that will evenly dissolve in another.

mg/m^3 means milligrams of a chemical in a cubic meter of air. It is a measure of concentration (weight/volume).

MSHA is the Mine Safety and Health Administration, the federal agency that regulates mining. It also evaluates and approves respirators.

A **mutagen** is a substance that causes mutations. A **mutation** is a change in the genetic material in a body cell. Mutations can lead to birth defects, miscarriages, or cancer.

NAERG is the North American Emergency Response Guidebook. It was jointly developed by Transport Canada, the United States Department of Transportation and the Secretariat of Communications and Transportation of Mexico. It is a guide for first responders to quickly identify the specific or generic hazards of material involved in a transportation incident, and to protect themselves and the general public during the initial response phase of the incident.

NCI is the National Cancer Institute, a federal agency that determines the cancer-causing potential of chemicals.

NFPA is the National Fire Protection Association. It classifies substances according to their fire and explosion hazard.

NIOSH is the National Institute for Occupational Safety and Health. It tests equipment, evaluates and approves respirators, conducts studies of workplace hazards, and proposes standards to OSHA.

NTP is the National Toxicology Program which tests chemicals and reviews evidence for cancer.

OSHA is the Occupational Safety and Health Administration, which adopts and enforces health and safety standards.

PEOSHA is the Public Employees Occupational Safety and Health Act, a state law which sets PELs for New Jersey public employees.

ppm means parts of a substance per million parts of air. It is a measure of concentration by volume in air.

A **reactive** substance is a solid, liquid or gas that releases energy under certain conditions.

A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>>> E M E R G E N C Y I N F O R M A T I O N <<<<<<<<<<<<<<<<<<<

Common Name: **BENZO(a)PYRENE**
DOT Number: **None**
NAERG Code: **No Citation**
CAS Number: **50-32-8**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	1	-
REACTIVITY	0	-
CARCINOGEN POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Benzo(a)pyrene** may burn, but does not readily ignite.
* Use dry chemical, CO_2, water spray, or foam extinguishers.
* POISONOUS GASES ARE PRODUCED IN FIRE, including *Carbon Monoxide*.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Benzo(a)pyrene** or other *Coal Tar* Products are spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate the area after clean-up is complete.
* It may be necessary to contain and dispose of **Benzo(a)pyrene** as a HAZARDOUS WASTE. Contact your Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

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FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: (609) 292-7172

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HANDLING AND STORAGE

* Prior to working with **Benzo(a)pyrene** you should be trained on its proper handling and storage.
* A regulated, marked area should be established where **Benzo(a)pyrene** is handled, used, stored, or formed.
* **Benzo(a)pyrene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE)
* Store in tightly closed containers in a cool, well-ventilated area.

FIRST AID

In NJ, POISON INFORMATION 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

Breathing

* Remove the person from exposure.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: Greater than 1 mm Hg at 68°F (20°C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:

Benzo(a)pyrene

Other Names:

B(a)P; BP; 3,4-Benzopyrene

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND
SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202

New Jersey Department of Health and Senior Services

HAZARDOUS SUBSTANCE FACT SHEET

Common Name: **BENZO(b)FLUORANTHENE**

CAS Number: 205-99-2
DOT Number: None

RTK Substance number: 0208
Date: September 1995 Revision: July 2001

HAZARD SUMMARY

* **Benzo(b)fluoranthene** can affect you when breathed in and may be absorbed through the skin.
* **Benzo(b)fluoranthene** is a CARCINOGEN--HANDLE WITH EXTREME CAUTION.
* Contact with **Benzo(b)fluoranthene** can cause skin and eye irritation.
* Because the major hazards associated with **Benzo(b)fluoranthene** come from exposure to *Coal Tar Pitch, CONSULT THE NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES HAZARDOUS SUBSTANCE FACT SHEET ON COAL TAR PITCH.*

IDENTIFICATION

Benzo(b)fluoranthene is a colorless, needle-shaped solid. It is used as a research chemical and is present in coal, and coke oven emissions, and petroleum products.

REASON FOR CITATION

* **Benzo(b)fluoranthene** is on the Hazardous Substance List because it is regulated by OSHA and cited by ACGIH, NIOSH, NTP, IARC, HHAG and EPA.
* This chemical is on the Special Health Hazard Substance List because it is a **CARCINOGEN**.
* Definitions are provided on page 5.

HOW TO DETERMINE IF YOU ARE BEING EXPOSED

The New Jersey Right to Know Act requires most employers to label chemicals in the workplace and requires public employers to provide their employees with information and training concerning chemical hazards and controls. The federal OSHA Hazard Communication Standard, 1910.1200, requires private employers to provide similar training and information to their employees.

* Exposure to hazardous substances should be routinely evaluated. This may include collecting personal and area air samples. You can obtain copies of sampling results from your employer. You have a legal right to this information under OSHA 1910.1020.
* If you think you are experiencing any work-related health problems, see a doctor trained to recognize occupational diseases. Take this Fact Sheet with you.

WORKPLACE EXPOSURE LIMITS

The following exposure limits are for **Benzo(b)fluoranthene** (measured as *Coal Tar Pitch volatiles*):

OSHA: The legal airborne permissible exposure limit (PEL) is **0.2 mg/m^3** averaged over an 8-hour workshift.

NIOSH: The recommended airborne exposure limit is **0.1 mg/m^3** averaged over a 10-hour workshift.

ACGIH: The recommended airborne exposure limit is **0.2 mg/m^3** averaged over an 8-hour workshift.

* **Benzo(b)fluoranthene** is a PROBABLE CARCINOGEN in humans. There may be no safe level of exposure to a carcinogen, so all contact should be reduced to the lowest possible level.
* The above exposure limits are for air levels only. When skin contact also occurs, you may be overexposed, even though air levels are less than the limits listed above.

WAYS OF REDUCING EXPOSURE

* Enclose operations and use local exhaust ventilation at the site of chemical release. If local exhaust ventilation or enclosure is not used, respirators should be worn.
* A regulated, marked area should be established where **Benzo(b)fluoranthene** is handled, used, or stored.
* Wear protective work clothing.
* Wash thoroughly immediately after exposure to **Benzo(b)fluoranthene** and at the end of the workshift.
* Post hazard and warning information in the work area. In addition, as part of an ongoing education and training effort, communicate all information on the health and safety hazards of **Benzo(b)fluoranthene** to potentially exposed workers.

This Fact Sheet is a summary source of information of all potential and most severe health hazards that may result from exposure. Duration of exposure, concentration of the substance and other factors will affect your susceptibility to any of the potential effects described below.

HEALTH HAZARD INFORMATION

Acute Health Effects

The following acute (short-term) health effects may occur immediately or shortly after exposure to **Benzo(b)fluoranthene**:

* Contact with **Benzo(b)fluoranthene** can cause skin and eye irritation.

Chronic Health Effects

The following chronic (long-term) health effects can occur at some time after exposure to **Benzo(b)fluoranthene** and can last for months or years:

Cancer Hazard

* **Benzo(b)fluoranthene** is a PROBABLE CARCINOGEN in humans. It has been shown to cause lung, liver and skin cancer in animals.
* Many scientists believe there is no safe level of exposure to a carcinogen. Such substances may also have the potential for causing reproductive damage in humans.

Reproductive Hazard

* According to the information presently available to the New Jersey Department of Health and Senior Services, **Benzo(b)fluoranthene** has not been tested for its ability to affect reproduction.

Other Long-Term Effects

* **Benzo(b)fluoranthene** has not been tested for other chronic (long-term) health effects.

MEDICAL

Medical Testing

There is no special test for this chemical. However, if illness occurs or overexposure is suspected, medical attention is recommended.

Examine your skin periodically for growths or changes in warts or moles. Skin cancers are usually easily curable when removed early.

Any evaluation should include a careful history of past and present symptoms with an exam. Medical tests that look for damage already done are not a substitute for controlling exposure.

Request copies of your medical testing. You have a legal right to this information under OSHA 1910.1020.

WORKPLACE CONTROLS AND PRACTICES

Unless a less toxic chemical can be substituted for a hazardous substance, **ENGINEERING CONTROLS** are the most effective way of reducing exposure. The best protection is to enclose operations and/or provide local exhaust ventilation at the site of chemical release. Isolating operations can also reduce exposure. Using respirators or protective equipment is less effective than the controls mentioned above, but is sometimes necessary.

In evaluating the controls present in your workplace, consider: (1) how hazardous the substance is, (2) how much of the substance is released into the workplace and (3) whether harmful skin or eye contact could occur. Special controls should be in place for highly toxic chemicals or when significant skin, eye, or breathing exposures are possible.

In addition, the following controls are recommended:

* Where possible, automatically transfer **Benzo(b)fluoranthene** from drums or other storage containers to process containers.
* A Class I, Type B, biological safety hood should be used when mixing, handling, or preparing **Benzo(b)fluoranthene**.

Good **WORK PRACTICES** can help to reduce hazardous exposures. The following work practices are recommended:

* Workers whose clothing has been contaminated by **Benzo(b)fluoranthene** should change into clean clothing promptly.
* Do not take contaminated work clothes home. Family members could be exposed.
* Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to **Benzo(b)fluoranthene**.
* Eye wash fountains should be provided in the immediate work area for emergency use.
* If there is the possibility of skin exposure, emergency shower facilities should be provided.
* On skin contact with **Benzo(b)fluoranthene**, immediately wash or shower to remove the chemical. At the end of the workshift, wash any areas of the body that may have contacted **Benzo(b)fluoranthene**, whether or not known skin contact has occurred.
* Do not eat, smoke, or drink where **Benzo(b)fluoranthene** is handled, processed, or stored, since the chemical can be swallowed. Wash hands carefully before eating, drinking, smoking, or using the toilet.
* Use a vacuum or a wet method to reduce dust during clean-up. DO NOT DRY SWEEP.
* When vacuuming, a high efficiency particulate air (HEPA) filter should be used, not a standard shop vacuum.

PERSONAL PROTECTIVE EQUIPMENT

WORKPLACE CONTROLS ARE BETTER THAN PERSONAL PROTECTIVE EQUIPMENT. However, for some jobs (such as outside work, confined space entry, jobs done only once in a while, or jobs done while workplace controls are being installed), personal protective equipment may be appropriate.

OSHA 1910.132 requires employers to determine the appropriate personal protective equipment for each hazard and to train employees on how and when to use protective equipment.

The following recommendations are only guidelines and may not apply to every situation.

Clothing

* Avoid skin contact with **Benzo(b)fluoranthene**. Wear protective gloves and clothing. Safety equipment suppliers/manufacturers can provide recommendations on the most protective glove/clothing material for your operation.
* All protective clothing (suits, gloves, footwear, headgear) should be clean, available each day, and put on before work.

Eye Protection

* Wear impact resistant eye protection with side shields or goggles.
* Wear a face shield along with goggles when working with corrosive, highly irritating or toxic substances.

Respiratory Protection

IMPROPER USE OF RESPIRATORS IS DANGEROUS. Such equipment should only be used if the employer has a written program that takes into account workplace conditions, requirements for worker training, respirator fit testing and medical exams, as described in OSHA 1910.134.

* Where the potential exists for exposure over **0.1 mg/m^3** (as *Coal Tar Pitch volatiles*), use a MSHA/NIOSH approved supplied-air respirator with a full facepiece operated in a pressure-demand or other positive-pressure mode. For increased protection use in combination with an auxiliary self-contained breathing apparatus operated in a pressure-demand or other positive-pressure mode.
* Exposure to **80 mg/m^3** (as *Coal Tar Pitch volatiles*) is immediately dangerous to life and health. If the possibility of exposure above **80 mg/m^3** (as *Coal Tar Pitch volatiles*) exists, use a MSHA/NIOSH approved self-contained breathing apparatus with a full facepiece operated in a pressure-demand or other positive-pressure mode.

QUESTIONS AND ANSWERS

Q: If I have acute health effects, will I later get chronic health effects?
A: Not always. Most chronic (long-term) effects result from repeated exposures to a chemical.

Q: Can I get long-term effects without ever having short-term effects?
A: Yes, because long-term effects can occur from repeated exposures to a chemical at levels not high enough to make you immediately sick.

Q: What are my chances of getting sick when I have been exposed to chemicals?
A: The likelihood of becoming sick from chemicals is increased as the amount of exposure increases. This is determined by the length of time and the amount of material to which someone is exposed.

Q: When are higher exposures more likely?
A: Conditions which increase risk of exposure include dust releasing operations (grinding, mixing, blasting, dumping, etc.), other physical and mechanical processes (heating, pouring, spraying, spills and evaporation from large surface areas such as open containers), and "confined space" exposures (working inside vats, reactors, boilers, small rooms, etc.).

Q: Is the risk of getting sick higher for workers than for community residents?
A: Yes. Exposures in the community, except possibly in cases of fires or spills, are usually much lower than those found in the workplace. However, people in the community may be exposed to contaminated water as well as to chemicals in the air over long periods. This may be a problem for children or people who are already ill.

Q: Don't all chemicals cause cancer?
A: No. Most chemicals tested by scientists are not cancer-causing.

Q: Should I be concerned if a chemical causes cancer in animals?
A: Yes. Most scientists agree that a chemical that causes cancer in animals should be treated as a suspected human carcinogen unless proven otherwise.

Q: But don't they test animals using much higher levels of a chemical than people usually are exposed to?
A: Yes. That's so effects can be seen more clearly using fewer animals. But high doses alone don't cause cancer unless it's a cancer agent. In fact, a chemical that causes cancer in animals at high doses could cause cancer in humans exposed to low doses.

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A **teratogen** is a substance that causes birth defects by damaging the fetus.

TLV is the Threshold Limit Value, the workplace exposure limit recommended by ACGIH.

The **vapor pressure** is a measure of how readily a liquid or a solid mixes with air at its surface. A higher vapor pressure indicates a higher concentration of the substance in air and therefore increases the likelihood of breathing it in.

>>>>>>>>>>>>>>>>>> E M E R G E N C Y I N F O R M A T I O N <<<<<<<<<<<<<<<<<

Common Name: **BENZO(b)FLUORANTHENE**
DOT Number: **None**
NAERG Code: **No Citation**
CAS Number: **205-99-2**

Hazard rating	NJDHSS	NFPA
FLAMMABILITY	Not Found	Not Rated
REACTIVITY	Not Found	Not Rated
CARCINOGEN POISONOUS GASES ARE PRODUCED IN FIRE		

Hazard Rating Key: 0=minimal; 1=slight; 2=moderate; 3=serious; 4=severe

FIRE HAZARDS

* **Benzo(b)fluoranthene** may burn, but does not readily ignite.
* Use dry chemical, CO_2, water spray, alcohol or polymer foam extinguishers.
* POISONOUS GASES ARE PRODUCED IN FIRE.
* If employees are expected to fight fires, they must be trained and equipped as stated in OSHA 1910.156.

SPILLS AND EMERGENCIES

If **Benzo(b)fluoranthene** is spilled, take the following steps:

* Evacuate persons not wearing protective equipment from area of spill until clean-up is complete.
* Collect powdered material in the most convenient and safe manner and deposit in sealed containers.
* Ventilate and wash area after clean-up is complete.
* It may be necessary to contain and dispose of **Benzo(b)fluoranthene** as a HAZARDOUS WASTE. Contact your state Department of Environmental Protection (DEP) or your regional office of the federal Environmental Protection Agency (EPA) for specific recommendations.
* If employees are required to clean-up spills, they must be properly trained and equipped. OSHA 1910.120(q) may be applicable.

==========

FOR LARGE SPILLS AND FIRES immediately call your fire department. You can request emergency information from the following:

CHEMTREC: (800) 424-9300
NJDEP HOTLINE: 1-877-WARN-DEP

==========

HANDLING AND STORAGE

* Prior to working with **Benzo(b)fluoranthene** you should be trained on its proper handling and storage.
* A regulated, marked area should be established where **Benzo(b)fluoranthene** is handled, used, or stored.
* **Benzo(b)fluoranthene** is not compatible with OXIDIZING AGENTS (such as PERCHLORATES, PEROXIDES, PERMANGANATES, CHLORATES, NITRATES, CHLORINE, BROMINE and FLUORINE); OZONE; NITROGEN OXIDES; and SULFUR OXIDES.
* Store in tightly closed containers in a cool, well-ventilated area.

FIRST AID

In NJ, for POISON INFORMATION call 1-800-764-7661

Eye Contact

* Immediately flush with large amounts of water for at least 15 minutes, occasionally lifting upper and lower lids.

Skin Contact

* Quickly remove contaminated clothing. Immediately wash contaminated skin with large amounts of soap and water.

Breathing

* Remove the person from exposure.
* Begin rescue breathing (using universal precautions) if breathing has stopped and CPR if heart action has stopped.
* Transfer promptly to a medical facility.

PHYSICAL DATA

Vapor Pressure: 5×10^{-7} mm Hg at 68°F (20°C)
Water Solubility: Insoluble

OTHER COMMONLY USED NAMES

Chemical Name:

Benz(e)acephenanthrylene

Other Names:

2,3-Benzfluoranthene; 3,4-Benzfluoranthene; B(b)F

Not intended to be copied and sold for commercial purposes.

NEW JERSEY DEPARTMENT OF HEALTH AND SENIOR SERVICES
Right to Know Program
PO Box 368, Trenton, NJ 08625-0368
(609) 984-2202 H4985

SAFETY DATA SHEET

Institute for Reference Materials and Measurements

Based upon Regulation (EC) No. 1907/2006, as amended by Regulation (EC) No. 453/2010

BCR-048R: benzo[k]fluoranthene

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier:

Product name	: BCR-048R: benzo[k]fluoranthene
Product type REACH	: Substance/mono-constituent
CAS number	: 207-08-9
EC index number	: 601-036-00-5
EC number	: 205-916-6
RTECS number	: DF6350000
Molecular mass	: 252.32 g/mol
Formula	: C20H12

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Certified reference material for laboratory use only

1.3 Details of the supplier of the safety data sheet:

Supplier of the safety data sheet

Institute for Reference Materials and Measurements
Retieseweg
B-2440 Geel
Tel: +32 14 57 12 11
Fax: +32 14 59 04 06
JRC-IRMM-RM-Sales@ec.europa.eu

1.4 Emergency telephone number:

Poison Centre:

+32 70 245 245

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

2.1.1 Classification according to Regulation EC No 1272/2008

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Class	Category	Hazard statements
Carc.	category 1B	H350: May cause cancer.
Aquatic Acute	category 1	H400: Very toxic to aquatic life.
Aquatic Chronic	category 1	H410: Very toxic to aquatic life with long lasting effects.

2.1.2 Classification according to Directive 67/548/EEC-1999/45/EC

Carc. Cat. 2; R45 - May cause cancer.

N; R50-53 - Very toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment.

2.2 Label elements:

Labelling according to Regulation EC No 1272/2008 (CLP)

Signal word Danger

H-statements

H350	May cause cancer.
H410	Very toxic to aquatic life with long lasting effects.

P-statements

P202	Do not handle until all safety precautions have been read and understood.
P281	Use personal protective equipment as required.
P273	Avoid release to the environment.

© BIG vzw

P308 + P313	IF exposed or concerned: Get medical advice/attention.
P391	Collect spillage.
P405	Store locked up.

Supplemental information

Restricted to professional users.

2.3 Other hazards:

CLP

Its dust is explosive with air
Dust cloud can be ignited by a spark
Slightly irritant to skin
Slightly irritant to eyes
Caution! Substance is absorbed through the skin
No certainty about human mutagenic properties
Not readily biodegradable in water

SECTION 3: Composition/information on ingredients

3.1 Substances:

Name (REACH Registration No)	CAS No EC No	Conc. (C)	Classification according to DSD/DPD	Classification according to CLP	Note	Remark
benzo[k]fluoranthene	207-08-9 205-916-6		Carc. Cat. 2; R45 N; R50-53	Carc. 1B; H350 Aquatic Acute 1; H400 Aquatic Chronic 1; H410	(1)(10)	Mono-constituent

(1) For R-phrases and H-statements in full: see heading 16

(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

3.2 Mixtures:

Not applicable

SECTION 4: First aid measures

4.1 Description of first aid measures:

General:

If you feel unwell, seek medical advice.

After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

After skin contact:

Rinse with water. Do not apply (chemical) neutralizing agents. Take victim to a doctor if irritation persists.

After eye contact:

Rinse with water. Do not apply neutralizing agents. Take victim to an ophthalmologist if irritation persists.

After ingestion:

Rinse mouth with water. Immediately after ingestion: give lots of water to drink. Do not induce vomiting. Consult a doctor/medical service if you feel unwell.

4.2 Most important symptoms and effects, both acute and delayed:

4.2.1 Acute symptoms

After inhalation:

No data available.

After skin contact:

Slight irritation.

After eye contact:

Slight irritation.

After ingestion:

No data available.

4.2.2 Delayed symptoms

If applicable and available it will be listed below.

4.3 Indication of any immediate medical attention and special treatment needed:

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

5.1.1 Suitable extinguishing media:

Water spray. Polyvalent foam. ABC powder. Carbon dioxide.

5.1.2 Unsuitable extinguishing media:

No unsuitable extinguishing media known.

5.2 Special hazards arising from the substance or mixture:

Upon combustion: CO and CO2 are formed.

5.3 Advice for firefighters:

5.3.1 Instructions:

Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it.

5.3.2 Special protective equipment for fire-fighters:

Gloves. Protective clothing. Heat/fire exposure: compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

No naked flames.

6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves. Protective clothing.

Suitable protective clothing

See heading 8.2

6.2 Environmental precautions:

Contain leaking substance. Dam up the solid spill. Prevent soil and water pollution. Prevent spreading in sewers.

6.3 Methods and material for containment and cleaning up:

Scoop solid spill into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

6.4 Reference to other sections:

See heading 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1 Precautions for safe handling:

Avoid raising dust. Keep away from naked flames/heat. Warning! Avoid exposure. Obtain special instructions before use. Observe strict hygiene. Keep container tightly closed. Remove contaminated clothing immediately. Do not discharge the waste into the drain.

7.2 Conditions for safe storage, including any incompatibilities:

7.2.1 Safe storage requirements:

Store in a cool area. Store in a dry area. Keep container in a well-ventilated place. Keep locked up. Unauthorized persons are not admitted. Meet the legal requirements.

7.2.2 Keep away from:

Heat sources, ignition sources, oxidizing agents, (strong) acids.

7.2.3 Suitable packaging material:

No data available

7.2.4 Non suitable packaging material:

No data available

7.3 Specific end use(s):

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

8.1.1 Occupational exposure

a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

b) National biological limit values

If limit values are applicable and available these will be listed below.

8.1.2 Sampling methods

Product name	Test	Number
Benz(a)Anthracene (Polynuclear aromatic hydrocarbons)	NIOSH	5515
Benz(a)Anthracene (Polynuclear aromatic hydrocarbons)	NIOSH	5506

8.1.3 Applicable limit values when using the substance or mixture as intended

If limit values are applicable and available these will be listed below.

8.1.4 DNEL/PNEC values

If applicable and available it will be listed below.

8.1.5 Control banding

If applicable and available it will be listed below.

8.2 Exposure controls:

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Avoid raising dust. Keep away from naked flames/heat. Measure the concentration in the air regularly. Carry operations in the open/under local exhaust/ventilation or with respiratory protection.

8.2.2 Individual protection measures, such as personal protective equipment

Warning! Avoid exposure. Obtain special instructions before use. Observe strict hygiene. Keep container tightly closed. Do not eat, drink or smoke during work.

a) Respiratory protection:

Dust production: dust mask with filter type P3. High dust production: self-contained breathing apparatus.

b) Hand protection:

Gloves.

- materials for protective clothing (less resistance)

Neoprene, nitrile rubber.

- materials for protective clothing (poor resistance)

Natural rubber, polyethylene, PVC.

c) Eye protection:

Safety glasses. In case of dust production: protective goggles.

d) Skin protection:

Protective clothing.

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical form	Crystalline solid
	Needles
Odour	No data available on odour
Odour threshold	No data available
Colour	Light yellow
Particle size	No data available
Explosion limits	No data available
Flammability	Not easily combustible
Log Kow	6.84
Dynamic viscosity	No data available
Kinematic viscosity	No data available
Melting point	217 °C
Boiling point	480 °C
Flash point	No data available
Evaporation rate	No data available
Vapour pressure	< 0.00001 hPa ; 20 °C
Relative vapour density	Not applicable
Solubility	water ; < 0.00001 g/100 ml
	ethanol ; soluble
	acetic acid ; soluble
	oils/fats ; soluble
Relative density	No data available
Decomposition temperature	No data available

Auto-ignition temperature	No data available
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
pH	No data available

Physical hazards

No physical hazard class

9.2 Other information:

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity:

Heating increases the fire hazard.

10.2 Chemical stability:

No data available.

10.3 Possibility of hazardous reactions:

Reacts violently with (strong) oxidizers.

10.4 Conditions to avoid:

Avoid raising dust. Keep away from naked flames/heat.

10.5 Incompatible materials:

Oxidizing agents, (strong) acids.

10.6 Hazardous decomposition products:

Upon combustion: CO and CO2 are formed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

11.1.1 Test results

Acute toxicity

BCR-048R: benzo[k]fluoranthene

No (test)data available

Corrosion/irritation

BCR-048R: benzo[k]fluoranthene

No (test)data available

Respiratory or skin sensitisation

BCR-048R: benzo[k]fluoranthene

No (test)data available

Specific target organ toxicity

BCR-048R: benzo[k]fluoranthene

No (test)data available

Mutagenicity (in vitro)

BCR-048R: benzo[k]fluoranthene

No (test)data available

Mutagenicity (in vivo)

BCR-048R: benzo[k]fluoranthene

No (test)data available

Carcinogenicity

BCR-048R: benzo[k]fluoranthene

No (test)data available

Reproductive toxicity

BCR-048R: benzo[k]fluoranthene

No (test)data available

Conclusion CMR

May cause cancer.

Toxicity other effects

BCR-048R: benzo[k]fluoranthene

No (test)data available

Chronic effects from short and long-term exposure

BCR-048R: benzo[k]fluoranthene

ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: No specific information available. SIMILAR PRODUCTS CAUSE FOLLOWING SYMPTOMS: Feeling of weakness. Cracking of the skin. Skin rash/inflammation. Photoallergy. Skin cancer. Lung tissue affection/degeneration. Enlargement/affection of the liver. Affection of the renal tissue.

11.1.2 Other information

BCR-048R: benzo[k]fluoranthene

EC carc cat	2
CLP carc cat	category 1B
Listed in SZW - List of carcinogenic substances	yes
IARC - classification	2B
MAK - Krebserzeugend Kategorie	2
MAK - Keimzellmutagen Kategorie	3B

SECTION 12: Ecological information

12.1 Toxicity:

BCR-048R: benzo[k]fluoranthene

	Parameter	Method	Value	Duration	Species	Test design	Fresh/salt water	Value determination
Acute toxicity invertebrates	LC50		0.0048 mg/l	23 h	Daphnia magna			

Conclusion

Highly toxic to fishes

Very toxic to invertebrates (Daphnia)

Highly toxic to algae

12.2 Persistence and degradability:

BCR-048R: benzo[k]fluoranthene

Half-life soil (t1/2 soil)

Method	Value	Primary degradation/mineralisation	Value determination
	65 - 1400 day(s)		

May cause long-term adverse effects in the aquatic environment

Conclusion

Not readily biodegradable in water

Ozonation in water

Non degradable in the soil

12.3 Bioaccumulative potential:

BCR-048R: benzo[k]fluoranthene

BCF fishes

Parameter	Method	Value	Duration	Species	Value determination
BCF		8750		Pisces	

BCF other aquatic organisms

Parameter	Method	Value	Duration	Species	Value determination
BCF		0.0013 mg/kg		Algae	
		37000		Mytilus edulis	

Log Kow

Method	Remark	Value	Temperature	Value determination

		6.84		

Conclusion

High potential for bioaccumulation (BCF > 5000)

12.4 Mobility in soil:

Adsorbs into the soil

12.5 Results of PBT and vPvB assessment:

Due to insufficient data no statement can be made whether the substance fulfils the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

12.6 Other adverse effects:

BCR-048R: benzo[k]fluoranthene

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No. 1272/2008 and 1005/2009)

SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

13.1 Waste treatment methods:

13.1.1 Provisions relating to waste

Waste material code (Directive 2008/98/EC, decision 2000/0532/EC).
16 05 06* (laboratory chemicals, consisting of or containing dangerous substances, including mixtures of laboratory chemicals). Depending on branch of industry and production process, also other EURAL codes may be applicable. Hazardous waste according to Directive 2008/98/EC.

13.1.2 Disposal methods

Dissolve or mix with a combustible solvent. Remove to an authorized incinerator equipped with an afterburner and a flue gas scrubber with energy recovery. Remove waste in accordance with local and/or national regulations. Do not discharge into surface water (2000/60/EC, Council decision 2455/2001/EC, O.J. L331 of 15/12/2001).

13.1.3 Packaging/Container

Waste material code packaging (Directive 2008/98/EC).
15 01 10* (packaging containing residues of or contaminated by dangerous substances).

SECTION 14: Transport information

Road (ADR)

14.1 UN number:

UN number	3077

14.2 UN proper shipping name:

Proper shipping name	Environmentally hazardous substance, solid, n.o.s.
Techn./chem. name ADR	benzo[k]fluoranthene

14.3 Transport hazard class(es):

Hazard identification number	90
Class	9
Classification code	M7

14.4 Packing group:

Packing group	III
Labels	9

14.5 Environmental hazards:

Environmentally hazardous substance mark	yes

14.6 Special precautions for user:

Special provisions	274
Special provisions	335
Special provisions	601
Limited quantities	Combination packagings: not more than 5 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass)

Rail (RID)

14.1 UN number:

UN number	3077

14.2 UN proper shipping name:

Proper shipping name	Environmentally hazardous substance, solid, n.o.s.
Techn./chem. name RID	benzo[k]fluoranthene

14.3 Transport hazard class(es):

Hazard identification number	90
Class	9
Classification code	M7

14.4 Packing group:

Packing group	III
Labels	9

14.5 Environmental hazards:

Environmentally hazardous substance mark	yes

14.6 Special precautions for user:

Special provisions	274
Special provisions	335
Special provisions	601
Limited quantities	Combination packagings: not more than 5 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass)

Inland waterways (ADN)

14.1 UN number:

UN number	3077

14.2 UN proper shipping name:

Proper shipping name	Environmentally hazardous substance, solid, n.o.s.
Techn./chem. name ADN	benzo[k]fluoranthene

14.3 Transport hazard class(es):

Class	9
Classification code	M7

14.4 Packing group:

Packing group	III
Labels	9

14.5 Environmental hazards:

Environmentally hazardous substance mark	yes

14.6 Special precautions for user:

Special provisions	274
Special provisions	335
Special provisions	601
Limited quantities	Combination packagings: not more than 5 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass)

Sea (IMDG)

14.1 UN number:

UN number	3077

14.2 UN proper shipping name:

Proper shipping name	Environmentally hazardous substance, solid, n.o.s.
Techn./chem. name IMO	benzo[k]fluoranthene

14.3 Transport hazard class(es):

Class	9

14.4 Packing group:

Packing group	III
Labels	9

14.5 Environmental hazards:

Marine pollutant	P
Environmentally hazardous substance mark	yes

14.6 Special precautions for user:

Special provisions	274
Special provisions	335
Limited quantities	Combination packagings: not more than 5 kg per inner packaging for solids. A package shall not weigh more than 30 kg. (gross mass)

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:

Annex II of MARPOL 73/78	Not applicable, based on available data

Air (ICAO-TI/IATA-DGR)

14.1 UN number:

UN number	3077

14.2 UN proper shipping name:

Proper shipping name	Environmentally hazardous substance, solid, n.o.s.

Techn./chem. name ICAO	benzo[k]fluoranthene

14.3 Transport hazard class(es):

Class	9

14.4 Packing group:

Packing group	III
Labels	9

14.5 Environmental hazards:

Environmentally hazardous substance mark	yes

14.6 Special precautions for user:

Special provisions	A97
Special provisions	A158
Special provisions	A179
Passenger and cargo transport: limited quantities: maximum net quantity per packaging	30 kg G

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

European legislation:

Volatile organic compounds (VOC)

0 %

REACH Annex XVII - Restriction

Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

	Designation of the substance, of the group of substances or of the mixture	Conditions of restriction
· benzo[k]fluoranthene	Substances which appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 classified as carcinogen category 1A or 1B (Table 3.1) or carcinogen category 1 or 2 (Table 3.2) and listed as follows: - Carcinogen category 1A (Table 3.1)/carcinogen category 1 (Table 3.2) listed in Appendix 1 - Carcinogen category 1B (Table 3.1)/carcinogen category 2 (Table 3.2) listed in Appendix 2	Without prejudice to the other parts of this Annex the following shall apply to entries 28 to 30:1. Shall not be placed on the market, or used, — as substances, — as constituents of other substances, or, — in mixtures, for supply to the general public when the individual concentration in the substance or mixture is equal to or greater than: — either the relevant specific concentration limit specified in Part 3 of Annex VI to Regulation (EC) No 1272/2008, or, — the relevant concentration specified in Directive 1999/45/EC. Without prejudice to the implementation of other Community provisions relating to the classification, packaging and labelling of substances and mixtures, suppliers shall ensure before the placing on the market that the packaging of such substances and mixtures is marked visibly, legibly and indelibly as follows: “Restricted to professional users”.2. By way of derogation, paragraph 1 shall not apply to: (a) medicinal or veterinary products as defined by Directive 2001/82/EC and Directive 2001/83/EC; (b) cosmetic products as defined by Directive 76/768/EEC; (c) the following fuels and oil products: — motor fuels which are covered by Directive 98/70/EC, — mineral oil products intended for use as fuel in mobile or fixed combustion plants, — fuels sold in closed systems (e.g. liquid gas bottles); (d) artists’ paints covered by Directive 1999/45/EC; (e) the substances listed in Appendix 11, column 1, for the applications or uses listed in Appendix 11, column 2. Where a date is specified in column 2 of Appendix 11, the derogation shall apply until the said date.
· benzo[k]fluoranthene	Polycyclic-aromatic hydrocarbons (PAH); Benzo[k]fluoranthene (BkFA)	1. From 1 January 2010, extender oils shall not be placed on the market, or used for the production of tyres or parts of tyres if they contain: — more than 1 mg/kg (0,0001 % by weight) BaP, or, — more than 10 mg/kg (0,001 % by weight) of the sum of all listed PAHs. These limits shall be regarded as kept, if the polycyclic aromatics (PCA) extract is less than 3 % by weight as measured by the Institute of Petroleum standard IP346: 1998 (Determination of PCA in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method), provided that compliance with the limit values of BaP and of the listed PAHs, as well as the correlation of the measured values with the PCA extract, is controlled by the manufacturer or importer every six months or after each major operational change, whichever is earlier.2. Furthermore, tyres and treads for retreading manufactured after 1 January 2010 shall not be placed on the market if they contain extender oils exceeding the limits indicated in paragraph 1. These limits shall be regarded as kept, if the vulcanised rubber compounds do not exceed the limit of 0,35 % Bay protons as measured and calculated by ISO 21461 (Rubber vulcanised — Determination of aromaticity of oil in vulcanised rubber compounds).3. By way of derogation, paragraph 2 shall not apply to retreaded tyres if their tread does not contain extender oils exceeding the limits referred to in paragraph 1.4. For the purpose of this entry “tyres” shall mean tyres for vehicles covered by: — Directive 2007/46/EC of the European Parliament and of the Council of 5 September 2007 establishing a framework for the approval of motor vehicles and their trailers, — Directive 2003/37/EC of the European Parliament and of the Council of 26 May 2003 on type-approval of agricultural or forestry tractors, their trailers and interchangeable towed machinery, together with their systems, components and separate technical units, and — Directive 2002/24/EC of the European Parliament and of the Council of 18 March 2002 relating to the type-approval of two or three-wheel motor vehicles and repealing Council Directive 92/61/EEC.

15.2 Chemical safety assessment:

No chemical safety assessment has been conducted.

SECTION 16: Other information

Labelling according to Directive 67/548/EEC-1999/45/EC (DSD/DPD)

Enumerated in substance list Annex I of directive 67/548/EEC et sequens

Labels

Dangerous for the environment

R-phrases

45	May cause cancer
50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S-phrases

53	Avoid exposure - obtain special instructions before use
45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
60	This material and its container must be disposed of as hazardous waste
61	Avoid release to the environment. Refer to special instructions/safety data sheets.

Additional recommendations

Restricted to professional users.

Full text of any R-phrases referred to under headings 2 and 3:

R45 May cause cancer
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R50 Very toxic to aquatic organisms
R53 May cause long-term adverse effects in the aquatic environment

Full text of any H-statements referred to under headings 2 and 3:

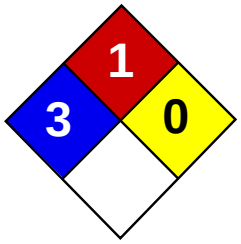
H350 May cause cancer.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

(*) = INTERNAL CLASSIFICATION BY BIG

PBT-substances = persistent, bioaccumulative and toxic substances

DSD Dangerous Substance Directive
DPD Dangerous Preparation Directive
CLP (EU-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Old versions must be destroyed. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information provided. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult your BIG licence agreement for details.



Health	3
Fire	1
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Cadmium MSDS

Section 1: Chemical Product and Company Identification

Product Name: Cadmium

Catalog Codes: SLC3484, SLC5272, SLC2482

CAS#: 7440-43-9

RTECS: EU9800000

TSCA: TSCA 8(b) inventory: Cadmium

CI#: Not applicable.

Synonym:

Chemical Name: Cadmium

Chemical Formula: Cd

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Cadmium	7440-43-9	100

Toxicological Data on Ingredients: Cadmium: ORAL (LD50): Acute: 2330 mg/kg [Rat.]. 890 mg/kg [Mouse]. DUST (LC50): Acute: 50 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant). Severe over-exposure can result in death.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Classified A2 (Suspected for human.) by ACGIH, 2 (Reasonably anticipated.) by NTP. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, lungs, liver. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact: No known effect on eye contact, rinse with water for a few minutes.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: 570°C (1058°F)

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances:
Non-flammable in presence of open flames and sparks, of heat, of oxidizing materials, of reducing materials, of combustible materials, of moisture.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards:
Material in powder form, capable of creating a dust explosion. When heated to decomposition it emits toxic fumes.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Keep in a cool, well-ventilated place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.01 (ppm) Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Lustrous solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 112.4 g/mole

Color: Silvery.

pH (1% soln/water): Not applicable.

Boiling Point: 765°C (1409°F)

Melting Point: 320.9°C (609.6°F)

Critical Temperature: Not available.

Specific Gravity: 8.64 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water, methanol, diethyl ether, n-octanol.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Not considered to be corrosive for metals and glass.

Special Remarks on Reactivity: Reacts violently with potassium.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 890 mg/kg [Mouse]. Acute toxicity of the dust (LC50): 229.9 mg/m3 4 hour(s) [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A2 (Suspected for human.) by ACGIH, 2 (Reasonably anticipated.) by NTP. The substance is toxic to kidneys, lungs, liver.

Other Toxic Effects on Humans:
Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: An allergen. 0047 Animal: embryotoxic, passes through the placental barrier.

Special Remarks on other Toxic Effects on Humans: May cause allergic reactions, exzema and/or dehydration of the skin.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification:

Identification:

Special Provisions for Transport:

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Cadmium California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Cadmium Pennsylvania RTK: Cadmium Massachusetts RTK: Cadmium TSCA 8(b) inventory: Cadmium SARA 313 toxic chemical notification and release reporting: Cadmium CERCLA: Hazardous substances.: Cadmium

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R26- Very toxic by inhalation. R45- May cause cancer.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 1

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 1

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References:
-Hawley, G.G.. The Condensed Chemical Dictionary, 11e ed., New York N.Y., Van Nostrand Reinold, 1987. -Liste des produits purs tératogènes, mutagènes, cancérogènes. Répertoire toxicologique de la Commission de la Santé et de la Sécurité du Travail du Québec. -Material safety data sheet emitted by: la Commission de la Santé et de la Sécurité du Travail du Québec. -SAX, N.I. Dangerous Properties of Indutrial Materials. Toronto, Van Nostrand Reinold, 6e ed. 1984. -The Sigma-Aldrich Library of Chemical Safety Data, Edition II. -Guide de la loi et du règlement sur le transport des marchandises dangeureuses au canada. Centre de conformité internatinal Ltée. 1986.

Other Special Considerations: Not available.

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Last Updated: 06/09/2012 12:00 PM

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MATERIAL SAFETY DATA SHEET

ERA A Waters Company

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURER: ERA
ADDRESS: 16341 Table Mountain Parkway
Golden, CO, 80403 U.S.A.

BUSINESS PHONE: 303-431-8454
FAX: 303-421-0159 **EMAIL:** info@eraqc.com
CHEMICAL EMERGENCY PHONE: 352-535-5053 (INFOTRAC)

Product Name(s): Chlordane, PotableWatR™, Chlordane, PriorityPollutnT™
Catalog / Part Number(s): 705, 716, 837, 845, 186004276, 186004394
MSDS Creation Date: November 22, 2005
MSDS Reference Number: 845-705
Revision Date: July 19, 2012

SECTION 2: HAZARDS IDENTIFICATION

Flammable liquid. Toxic. Harmful if inhaled. Toxic in contact with skin and if swallowed. The matrix of the standard is methanol which is classified as dangerous by Directive 199/45/EC. Use only as directed and in accordance with good laboratory practices.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

				EXPOSURE LIMITS		EU LABEL
CHEMICAL INGREDIENT NAME	CAS NUMBER	EC NUMBER	% BY WT.	OSHA	ACGIH	HAZARD LABEL
Methanol	67-56-1	200-659-6	≤99.9	200 ppm	200 ppm; 250 ppm STEL (skin)	

Notes: This standard is a mixture of organic chemicals which are present at levels <0.002% in a matrix of methanol packaged in a 2 ml flame sealed amber ampoule. Exposure Limits are 8-Hour TWA (Time Weighted Average) unless designated C (Ceiling) or STEL (Short Term Exposure Limit). Other components considered Non-Hazardous under OSHA 1910.1200 (HazCom) as they are not present in concentrations exceeding 1% (or 0.1% if considered a known or potential carcinogen).
Material Use: Analytical reagent or certified reference material used in laboratories. Uses also include research and development.

SECTION 4: FIRST-AID MEASURES

Inhalation: Remove to fresh air.
Skin Contact: Flush with water.
Eye Contact: Immediately flush with water for a minimum of 15 minutes.
Ingestion: Methanol may be fatal or cause blindness. Seek immediate medical attention.
Note to Physician: Effects may be delayed. Ethanol may inhibit methanol metabolism.
After following first aid measures, seek medical attention.

SECTION 5: FIRE-FIGHTING MEASURES

Flammable Properties: Flammable Liquid. Vapor may travel considerable distance to source of ignition and flash back.
Extinguishing Media: Dry chemical, carbon dioxide or appropriate foam.
Unique Aspects Contributing To a Fire: Methanol burns with a clear, almost invisible flame.
Special Fire Fighting Procedures: Same as for any flammable liquids.
Note: As in any fire, wear self-contained breathing apparatus, and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Shut off all sources of ignition. Wear appropriate personal protective equipment. Absorb with spill pillow or other absorbent and place in closed container for later disposal.

SECTION 7: HANDLING AND STORAGE

Keep container tightly closed. Avoid contact with skin and eyes. Store at 2-6°C. Avoid sources of ignition. Handle in accordance with good laboratory practices. This product is intended for use only by people trained in the safety and handling of chemicals and laboratory preparations.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Handle in accordance with good laboratory practices.
Respiratory Protection: Not normally needed. If exposure limits are exceeded, use approved/certified respirator.
Eye Protection: Splash goggles.
Skin Protection: Neoprene or other chemical resistant gloves. Disposable nitrile are acceptable for light intermittent exposure.
Engineering Controls: Work in a fume hood or use general or other local exhaust ventilation to meet Exposure Limits.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

DATA FOR MATRIX (Methanol):

Appearance:	Colorless liquid	Specific Gravity:	0.7915	Melting Point:	-97.8℃
Physical State:	Liquid	Flash Point:	CC 12℃ (53.6℉)	Vapor Pressure:	12.3 kPa at 20℃
Odor:	Slight	Explosion Limits:	LEL 6% UEL 36.5%	Vapor Density (air=1):	1.11
pH:	NA	Boiling Point:	64.5℃	Solubility in Water:	Soluble

SECTION 10: STABILITY AND REACTIVITY

Hazardous Polymerization Will Not Occur __X__ May Occur____ Stability: Stable __X__ Unstable ____

Hazardous Decomposition/Combustion Products: Carbon monoxide, carbon dioxide.
Conditions and Materials to Avoid: Heat, flame, sources of ignition.

SECTION 11: TOXICOLOGICAL INFORMATION

Primary Route(s) of Exposure Under Normal Use: Inhalation, eye contact, absorbed through skin.

Target Organ(s): Respiratory system, eyes, kidney, and central nervous system.

Acute Effects: Headache, nausea, dizziness, blurred vision, central nervous system depression, respiratory depression.
Methanol: Oral, rat: LD50 =5628 mg/kg; Dermal, rabbit: LD50=5628mg/kg; Inhalation, rat: LC50 = 64,000 ppm/4H

Chronic Effects: Impaired vision, dermatitis.

Other Information: Chemical Ingredient(s) not classified as carcinogen(s) by OSHA, IARC, NTP, ACGIH, or California. Methanol is listed as RTK in Massachusetts, Pennsylvania & New Jersey.

SECTION 12: ECOLOGICAL INFORMATION

Methanol: Dangerous to aquatic life in high concentrations. Etoxicity in water (LC50): 29400 mg/L 96 hours [Fish (Fathead minnow)].

SECTION 13: DISPOSAL CONSIDERATIONS

To determine proper disposal, consult applicable federal, state and local environmental control regulations.

SECTION 14: TRANSPORT INFORMATION

Shipping Name: Methanol, Solution
UN Number: 1230 Shipping/Hazardous Class: 3 Packing Group: II
Shipping regulations are based on combinations of criteria such as quantity, class and packaging according to DOT, IATA and (49) CFR.

Additional information: This product may be shipped as part of chemical kit composed of various compatible dangerous goods for analytical testing purposes. Then this kit would have the following classification: Shipment Name: Chemical Kit Hazard Class 9 UN Number 3316

SECTION 15: REGULATORY INFORMATION

EU Symbol of Danger: Flammable (F); Toxic (T)
EU Risk Phrases: Highly Flammable [R 11]; Toxic by inhalation, in contact with skin and if swallowed [R 23/24/25]; Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed [R 39/23/24/25].

U.S. TSCA: Constitutes listed
Canada: This product has been classified according to the hazard criteria of the CPR and this MSDS contains all the information required by the CPR.

SECTION 16: OTHER INFORMATION

United States EPA Regulatory Information:		NFPA Rating:	Health: 1	Flammability: 3	Reactivity: 0
SARA 313:	Methanol	These ratings are for Methanol			
CERCLA RQ:	5000 lbs	HMIS Rating:	Health: 2	Flammability: 3	Physical Hazard: 0

NOTE: NA = Data not available, not established, determined or not pertinent.

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SUPELCO INC -- 48574, DIBENZO (A,H) ANTHRACENE 0.1G -- 6810-00N032523

========== Product Identification ==========

Product ID:48574, DIBENZO (A,H) ANTHRACENE 0.1G
MSDS Date:12/19/1985
FSC:6810
NIIN:00N032523
MSDS Number: BNSSL
=== Responsible Party ===
Company Name:SUPELCO INC
Address:SUPELCO PARK
City:BELLEFONTE
State:PA
ZIP:16823-0048
Country:US
Info Phone Num:814-359-3441
Emergency Phone Num:814-359-3441
CAGE:54968
=== Contractor Identification ===
Company Name:SIGMA-ALDRICH INC.
Address:3050 SPRUCE STREET
Box:14508
City:ST. LOUIS
State:MO
ZIP:63103
Country:US
Phone:314-771-5765/414-273-3850X5996
CAGE:54968

========== Composition/Information on Ingredients ==========

Ingred Name:DIBENZ A,H ANTHRACENE
CAS:53-70-3
RTECS #:HN2625000
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

========== Hazards Identification ==========

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:REPORTED ANIMAL CARCINOGEN.
Explanation of Carcinogenicity:DIBENZ(A,H) ANTHRACENE: GROUP 2A(IARC), ANTICIPATED TO BE CARCINOGEN (NTP).
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

========== First Aid Measures ==========

First Aid:EYES: FLUSH WITH WATER FOR AT LEAST 15 MIN. CONTACT A PHYSICIAN. SKIN: FLUSH WITH LARGE VOLUMES OF WATER. CONTACT A PHYSICIAN. INHAL: IMMED MOVE TO FRESH AIR. INGEST: CONTACT A PHYSICIAN.

========== Fire Fighting Measures ==========

Lower Limits:1%

Extinguishing Media:WATER, CO2, DRY CHEMICAL.
Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT .

Accidental Release Measures

Spill Release Procedures:SWEEP UP MATERIAL. AVOID GENERATING DUST.
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling and Storage

Handling and Storage Precautions:STORE IN SEALED CONTAINER IN COOL, DRY LOCATION. AVOID GENERATING DUST.
Other Precautions:REPORTED CANCER HAZARD. AVOID EYE OR SKIN CONTACT.

Exposure Controls/Personal Protection

Respiratory Protection:WEAR NIOSH/MSHA APPROVED SCBA.
Ventilation:USE ONLY IN WELL VENTILATED AREA.
Protective Gloves:IMPERVIOUS GLOVES .
Eye Protection:CHEMICAL WORKERS GOGGLES .
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

Physical/Chemical Properties

HCC:T6
Boiling Pt:B.P. Text:509F,265C
Vapor Density:9.60
Spec Gravity:>1(H2O=1)
Appearance and Odor:OFF-WHITE TO YELLOW-GREEN CRYSTALLINE

Stability and Reactivity Data

Stability Indicator/Materials to Avoid:YES
OXIDIZING AGENTS.

Disposal Considerations

Waste Disposal Methods:COMPLY WITH ALL APPLICABLE FEDERAL, STATE, OR LOCAL REGULATIONS.

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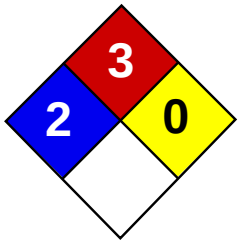

Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Ethylbenzene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Ethylbenzene

Catalog Codes: SLE2044

CAS#: 100-41-4

RTECS: DA0700000

TSCA: TSCA 8(b) inventory: Ethylbenzene

CI#: Not available.

Synonym: Ethyl Benzene; Ethylbenzol; Phenylethane

Chemical Name: Ethylbenzene

Chemical Formula: C8H10

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Ethylbenzene	100-41-4	100

Toxicological Data on Ingredients: Ethylbenzene: ORAL (LD50): Acute: 3500 mg/kg [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

Potential Chronic Health Effects:
Slightly hazardous in case of skin contact (irritant, sensitizer). CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 432°C (809.6°F)

Flash Points:
CLOSED CUP: 15°C (59°F). (Tagliabue.) OPEN CUP: 26.667°C (80°F) (Cleveland) (CHRIS, 2001) CLOSED CUP: 12.8 C (55 F) (Bingham et al, 2001; NIOSH, 2001) CLOSED CUP: 21 C (70 F) (NFPA)

Flammable Limits: LOWER: 0.8% - 1.6%UPPER: 6.7% - 7%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Highly flammable in presence of open flames and sparks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Slightly explosive in presence of heat.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards:
Vapor may travel considerable distance to source of ignition and flash back. Vapors may form explosive mixtures with air. When heated to decomposition it emits acrid smoke and irritating fumes.

Special Remarks on Explosion Hazards: Vapors may form explosive mixtures in air.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Avoid contact with eyes. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Sensitive to light. Store in light-resistant containers.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 100 STEL: 125 (ppm) from OSHA (PEL) [United States] TWA: 435 STEL: 545 from OSHA (PEL) [United States] TWA: 435 STEL: 545 (mg/m3) from NIOSH [United States] TWA: 100 STEL: 125 (ppm) from NIOSH [United States] TWA: 100 STEL: 125 (ppm) from ACGIH (TLV) [United States] TWA: 100 STEL: 125 (ppm) [United Kingdom (UK)] TWA: 100 STEL: 125 (ppm) [Belgium] TWA: 100 STEL: 125 (ppm) [Finland] TWA: 50 (ppm) [Norway] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Sweetish. Gasoline-like. Aromatic.

Taste: Not available.

Molecular Weight: 106.16 g/mole

Color: Colorless.

pH (1% soln/water): Not available.

Boiling Point: 136°C (276.8°F)

Melting Point: -94.9 (-138.8°F)

Critical Temperature: 617.15°C (1142.9°F)

Specific Gravity: 0.867 (Water = 1)

Vapor Pressure: 0.9 kPa (@ 20°C)

Vapor Density: 3.66 (Air = 1)

Volatility: 100% (v/v).

Odor Threshold: 140 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 3.1

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether.

Solubility:
Easily soluble in diethyl ether. Very slightly soluble in cold water or practically insoluble in water. Soluble in all proportions in Ethyl alcohol. Soluble in Carbon tetrachloride, Benzene. Insoluble in Ammonia. Slightly soluble in Chloroform. Solubility in Water: 169 mg/l @ 25 deg. C.; 0.014 g/100 ml @ 15 deg. C.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ingnition sources (flames, sparks, static), incompatible materials, light

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Not considered to be corrosive for metals and glass.

Special Remarks on Reactivity:
Can react vigorously with oxidizing materials. Sensitive to light.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Inhalation.

Toxicity to Animals: Acute oral toxicity (LD50): 3500 mg/kg [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. MUTAGENIC EFFECTS: Mutagenic for mammalian somatic cells. Mutagenic for bacteria and/or yeast. May cause damage to the following organs: central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of ingestion, of inhalation. Slightly hazardous in case of skin contact (irritant, permeator).

Special Remarks on Toxicity to Animals:
Lethal Dose/Conc 50% Kill: LD50 [Rabbit] - Route: Skin; Dose: 17800 ul/kg Lowest Published Lethal Dose/Conc: LDL[Rat] - Route: Inhalation (vapor); Dose: 4000 ppm/4 H

Special Remarks on Chronic Effects on Humans:
May cause adverse reproductive effects and birth defects (teratogenic) based on animal test data. May cause cancer based on animals data. IARC evidence for carcinogenicity in animals is sufficient. IARC evidence of carcinogenicity in humans inadequate. May affect genetic material (mutagenic).

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Can cause mild skin irritation. It can be absorbed through intact skin. Eyes: Contact with vapor or liquid can cause severe eye irritation depending on concentration. It may also cause conjunctivitis. At a vapor exposure level of 85 - 200 ppm , it is mildly and transiently irritating to the eyes; 1000 ppm causes further irritation and tearing; 2000 ppm results in immediate and severe irritation and tearing; 5,000 ppm is intolerable (ACGIH, 1991; Clayton and Clayton, 1994). Standard draize test for eye irritation using 500 mg resulted in severe irritation (RTECS) Inhalation: Exposure to high concentrations can cause nasal, mucous membrane and respiratory tract irritation and can also result in chest constriction and, trouble breathing, respiratory failure, and even death. It can also affect behavior/Central Nervous System. The effective dose for CNS depression in experimental animals was 10,000 ppm (ACGIH, 1991). Symptoms of CNS depression include

headache, nausea, weakness, dizziness, vertigo, irritability, fatigue, lightheadedness, sleepiness, tremor, loss of coordination, judgement and conciousness, coma, and death. It can also cause pulmonary edema. Inhalation of 85 ppm can produce fatigue, insomnia, headache, and mild irritation of the respiratory tract (Haley & Berndt, 1987). Ingestion: Do not drink, pipet or siphon by mouth. May cause gastroinestinal/digestive tract irritation with Abdominal pain, nausea, vomiting. Ethylbenzene is a pulmonary aspiration hazard. Pulmonary aspiration of even small amounts of the liquid may cause fatal pneumonitis. It may also affect behavior/central nervous system with

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 14 mg/l 96 hours [Fish (Trout)] (static). 12.1 mg/l 96 hours [Fish (Fathead Minnow)] (flow-through)]. 150 mg/l 96 hours [Fish (Blue Gill/Sunfish)] (static). 275 mg/l 96 hours [Fish (Sheepshead Minnow)]. 42.3 mg/l 96 hours [Fish (Fathead Minnow)](soft water). 87.6mg/l 96 hours [Shrimp].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Ethylbenzene UNNA: 1175 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Ethylbenzene Illinois toxic substances disclosure to employee act: Ethylbenzene Illinois chemical safety act: Ethylbenzene New York release reporting list: Ethylbenzene Rhode Island RTK hazardous substances: Ethylbenzene Pennsylvania RTK: Ethylbenzene Minnesota: Ethylbenzene Massachusetts RTK: Ethylbenzene Massachusetts spill list: Ethylbenzene New Jersey: Ethylbenzene New Jersey spill list: Ethylbenzene Louisiana spill reporting: Ethylbenzene California Director's List of Hazardous Substances: Ethylbenzene TSCA 8(b) inventory: Ethylbenzene TSCA 4(a) proposed test rules: Ethylbenzene TSCA 8(d) H and S data reporting: Ethylbenzene: Effective Date: 6/19/87; Sunset Date: 6/19/97 SARA 313 toxic chemical notification and release reporting: Ethylbenzene

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC). CLASSE D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R11- Highly flammable. R20- Harmful by inhalation. S16- Keep away from sources of ignition - No smoking. S24/25- Avoid contact with skin and eyes. S29- Do not empty into drains.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References:
-Manufacturer's Material Safety Data Sheet. -Fire Protection Guide to Hazardous Materials, 13th ed., Nationial Fire Protection Association (NFPA) -Registry of Toxic Effects of Chemical Substances (RTECS) -Chemical Hazard Response Information System (CHRIS) -Hazardous Substance Data Bank (HSDB) -New Jersey Hazardous Substance Fact Sheet -Ariel Global View -Reprotext System

Other Special Considerations: Not available.

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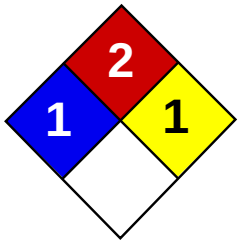

Health	1
Fire	2
Reactivity	1
Personal Protection	E

Material Safety Data Sheet
Iron Metal MSDS

Section 1: Chemical Product and Company Identification

Product Name: Iron Metal

Catalog Codes: SLI2047, SLI1996

CAS#: 7439-89-6

RTECS: NO4565500

TSCA: TSCA 8(b) inventory: Iron Metal

CI#: Not applicable.

Synonym:

Chemical Name: Iron

Chemical Formula: Fe

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Iron Metal, powder	7439-89-6	100

Toxicological Data on Ingredients: Not applicable.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to liver, cardiovascular system, upper respiratory tract, pancreas. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Flammable in presence of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Explosive in presence of open flames and sparks, of heat.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards:
Chlorine Trifluoride reacts with iron with incandescence. Powdered iron reacts with fluorine below redness with incandescence. Reduced iron decomposes with nitrogen dioxide @ ordinary temperature with incandescence. Reacting mass formed by mixture of phosphorus and iron can become incandescent when heated. This material is flammable in powder form only.

Special Remarks on Explosion Hazards: Material in powdered form can explode when exposed to heat or flame

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Moisture sensitive.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Solid metallic powder.)

Odor: Odorless.

Taste: Tasteless.

Molecular Weight: 55.85 g/mole

Color: Black to Grey.

pH (1% soln/water): Not applicable.

Boiling Point: 3000°C (5432°F)

Melting Point: 1535°C (2795°F)

Critical Temperature: Not available.

Specific Gravity: Density: 7.86 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water, diethyl ether.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, ignition sources, incompatible materials, water/moisture, air, dust generation.

Incompatibility with various substances:
Reactive with oxidizing agents, acids. Slightly reactive to reactive with moisture.

Corrosivity: Not considered to be corrosive for metals and glass.

Special Remarks on Reactivity:
Hot iron(wire) burns in Chlorine gas. Violent decompositon of hydrogen peroxide (53% by weight or greater) may be caused by contact with iron. Readily oxidizes in moist air forming rust. Reactive with halogens. Incompatible with acetaldehyde, ammonium peroxodisulfate, chloroformamidinum, chloric acid, ammonium nitrate, dinitorgen tetroxide, nitryl fluoride, polystyrene, sodium acetylide, potassium dichromate, peroxyformic acid, sulfuric acid, sodium carbide. Readily attacked by dilute mineral acids and or attacked or dissolved by organic acids. Not appreciably attacked by cold sulfuric acid, or nitric acid, but is attacked by hot acids.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 30000 mg/kg [Rat].

Chronic Effects on Humans: May cause damage to the following organs: liver, cardiovascular system, upper respiratory tract, pancreas.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Iron metal filings or dust: May cause skin irritation by mechanical action. Iron metal wire: Not likely to cause skin irritation Eyes: Iron metal filings or dust: Can irritate eyes by mechanical action. Iron metal wire: No hazard. Will not cause eye irritation. Inhalation: Iron dust: Can irritate the respiratory tract by mechanical action. Iron metal wire or filings: Not an inhalation hazard unless metal is heated. If metal is heated, fumes will be released. Inhalation of these fumes may cause "fume metal fever", which is characterized by flu-like symptoms. Symptoms may include metallic taste, fever, nausea, vomiting, chills, cough, weakness, chest pain, generalized muscle pain/aches, and increased white blood cell count. Ingestion: Iron metal wire: Not an ingestion hazard: Iron metal filings or dust: The amount of ingested iron which constitutes a toxic dose is not well defined. Proposed toxic doses of elemental iron are 20 mg/kg for gastrointestinal irritation to greater than 60 mg/kg for systemic toxicity. Gastrointestinal effects are the first signs to appear, with hemorrhagic vomiting and diarrhea, hematochezia, abdominal pain, lethargy, metabolic acidosis, coagulaopathy, shock, coma and convulsions developing from 0 to 6 hours after ingestion. Leukocytosis may also occur. An asymptomatic phase may ensue at 6 to 12 hours postingestion, followed by hypoglycemia or hyperglycemia, hepatic and renal failure, severe acidosis, cyanosis, fever, CNS depression (lethargy, restlessness and/or confusion seizures), hypotension, and cardiovascular collapse/cardiac failure in 12 to 48 hours. Hepatic cirrhosis, gastrointestinal scarring and/or strictures may arise in 2 to 6 weeks. It may also cause an anaphylactoid reaction. Non-cardiogenic pulmonary edema also develop in severe cases of iron intoxication. Chronic Potential Health Effects: Inhalation: Chronic inhalation of iron dust can lead to accumulation in the lungs and a characteristic stippled appearance on X-rays. This condition, called SIDEROSIS, is considered benign in that it does not interfere with lung function and does not predispose to other disease. Chronic inhalation of iron dust may also cause fibrosis in the lungs. Ingestion: Clinical signs of iron overload appear when the total body iron is 5 to 10 times higher than normal. Neurobehavioral defects including depression, decreased activity, habituation, reflex startle, and conditioned avoidance response performance may occur. However, similiar effects were also seen in iron defficiency. It is therefore likely that these behavioral effects are secondary to general toxicity. High serum iron levels may be associated with an increased risk of fatal acute myocardial infarction (MI). Skin: Prolonged or repeated contact may cause hypersensivity.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 4.1: Flammable solid.

Identification: : Metal powder, flammable, n.o.s. (Iron metal powder) UNNA: 3089 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California Director's List of Hazardous Substances: Iron Metal TSCA 8(b) inventory: Iron Metal

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): CLASS B-4: Flammable solid.

DSCL (EEC):
R11- Highly flammable. S16- Keep away from sources of ignition - No smoking. S22- Do not breathe dust.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 2

Reactivity: 1

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 2

Reactivity: 1

Specific hazard:

Protective Equipment:
Gloves Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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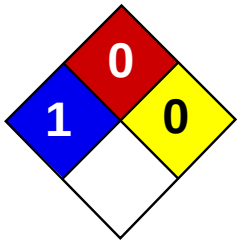

Health	1
Fire	0
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Lead MSDS

Section 1: Chemical Product and Company Identification

Product Name: Lead

Catalog Codes: SLL1291, SLL1669, SLL1081, SLL1459, SLL1834

CAS#: 7439-92-1

RTECS: OF7525000

TSCA: TSCA 8(b) inventory: Lead

CI#: Not available.

Synonym: Lead Metal, granular; Lead Metal, foil; Lead Metal, sheet; Lead Metal, shot

Chemical Name: Lead

Chemical Formula: Pb

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Lead	7439-92-1	100

Toxicological Data on Ingredients: Lead LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
Slightly hazardous in case of skin contact (permeator). CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: May be combustible at high temperature.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances: Non-flammable in presence of open flames and sparks, of shocks, of heat.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

Special Remarks on Fire Hazards: When heated to decomposition it emits highly toxic fumes of lead.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable

protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.05 (mg/m3) from ACGIH (TLV) [United States] TWA: 0.05 (mg/m3) from OSHA (PEL) [United States] TWA: 0.03 (mg/m3) from NIOSH [United States] TWA: 0.05 (mg/m3) [Canada]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Metal solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 207.21 g/mole

Color: Bluish-white. Silvery. Gray

pH (1% soln/water): Not applicable.

Boiling Point: 1740°C (3164°F)

Melting Point: 327.43°C (621.4°F)

Critical Temperature: Not available.

Specific Gravity: 11.3 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, excess heat

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Can react vigorously with oxidizing materials. Incompatible with sodium carbide, chlorine trifluoride, trioxane + hydrogen peroxide, ammonium nitrate, sodium azide, disodium acetylide, sodium acetylide, hot concentrated nitric acid, hot concentrated hydrochloric acid, hot concentrated sulfuric acid, zirconium.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC. May cause damage to the following organs: blood, kidneys, central nervous system (CNS).

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:
Acute Potential: Skin: Lead metal granules or dust: May cause skin irritation by mechanical action. Lead metal foil, shot or sheets: Not likely to cause skin irritation Eyes: Lead metal granules or dust: Can irritate eyes by mechanical action. Lead metal foil, shot or sheets: No hazard. Will not cause eye irritation. Inhalation: In an industrial setting, exposure to lead mainly occurs from inhalation of dust or fumes. Lead dust or fumes: Can irritate the upper respiratory tract (nose, throat) as well as the bronchi and lungsby mechanical action. Lead dust can be absorbed through the respiratory system. However, inhaled lead does not accumulate in the lungs. All of an inhaled dose is eventually abssorbed or transferred to the gastrointestinal tract. Inhalation effects of exposure to fumes or dust of inorganic lead may not develop quickly. Symptoms may include metallic taste, chest pain, decreased physical fitness, fatigue, sleep disturbance, headache, irritability, reduces memory, mood and personality changes, aching bones and muscles, constipation, abdominal pains, decreasing appetite. Inhalation of large amounts may lead to ataxia, deliriuim, convulsions/seizures, coma, and death. Lead metal foil, shot, or sheets: Not an inhalation hazard unless metal is heated. If metal is heated, fumes will be released. Inhalation of these fumes may cause "fume metal fever", which is characterized by flu-like symptoms. Symptoms may include metallic taste, fever, nausea, vomiting, chills, cough, weakness, chest pain, generalized muscle pain/aches, and increased white blood cell count. Ingestion: Lead metal granules or dust: The symptoms of lead poisoning include abdominal pain or cramps (lead cholic), spasms, nausea, vomiting, headache, muscle weakness, hallucinations, distorted perceptions, "lead line" on the gums, metallic taste, loss of appetite, insomnia, dizziness and other symptoms similar to that of inhalation. Acute poisoning may result in high lead levels in the blood and urine, shock, coma and death in extreme cases. Lead metal foil, shot or sheets: Not an ingestion hazard for usual industrial handling.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (female) which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause reproductive harm (male) which would require a warning under the statute: Lead California prop. 65 (no significant risk level): Lead: 0.0005 mg/day (value) California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Lead California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Lead Connecticut hazardous material survey.: Lead Illinois toxic substances disclosure to employee act: Lead Illinois chemical safety act: Lead New York release reporting list: Lead Rhode Island RTK hazardous substances: Lead Pennsylvania RTK: Lead

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R20/22- Harmful by inhalation and if swallowed. R33- Danger of cumulative effects. R61- May cause harm to the unborn child. R62- Possible risk of impaired fertility. S36/37- Wear suitable protective clothing and gloves. S44- If you feel unwell, seek medical advice (show the label when possible). S53- Avoid exposure - obtain special instructions before use.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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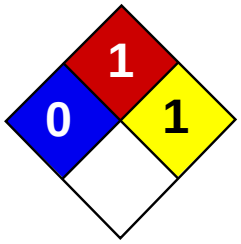

Health	1
Fire	3
Reactivity	2
Personal Protection	E

Material Safety Data Sheet
Magnesium MSDS

Section 1: Chemical Product and Company Identification

Product Name: Magnesium

Catalog Codes: SLM4408, SLM2263, SLM3637

CAS#: 7439-95-4

RTECS: OM2100000

TSCA: TSCA 8(b) inventory: Magnesium

CI#: Not applicable.

Synonym: Magnesium ribbons, turnings or sticks

Chemical Name: Magnesium

Chemical Formula: Mg

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Magnesium	7439-95-4	100

Toxicological Data on Ingredients: Magnesium LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: Not available.

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Some metallic oxides.

Fire Hazards in Presence of Various Substances:
Highly flammable in presence of open flames and sparks, of heat. Flammable in presence of acids, of moisture. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Explosive in presence of acids, of moisture.

Fire Fighting Media and Instructions:
Flammable solid. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards:
Magnesium turnings, chips or granules, ribbons, are flammable. They can be easily ignited. They may reignite after fire is extinguished. Produces flammable gases on contact with water and acid. May ignite on contact with water or moist air. Magnesium fires do not flare up violently unless moisture is present.

Special Remarks on Explosion Hazards: Reacts with acids and water to form hydrogen gas with is highly flammable and eplosive

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Flammable solid. Stop leak if without risk. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal.

Section 7: Handling and Storage

Precautions:

Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust. Keep away from incompatibles such as oxidizing agents, acids, moisture.

Storage:
Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Moisture sensitive. Dangerous when wet.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Metal solid)

Odor: Odorless.

Taste: Not available.

Molecular Weight: 24.31 g/mole

Color: Silver-white

pH (1% soln/water): Not applicable.

Boiling Point: 1100°C (2012°F)

Melting Point: 651°C (1203.8°F)

Critical Temperature: Not available.

Specific Gravity: 1.74 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Very slightly soluble in hot water. Insoluble in cold water. Insoluble in chromium trioxides, and mineral acids, alkalies. Slightly soluble with decomposition in hot water. Soluble in concentrated hydrogen fluoride, and ammonium salts.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, incompatible materials, water or moisture, moist air.

Incompatibility with various substances: Reactive with oxidizing agents, acids, moisture.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Violent chemical reaction with oxidizing agents. Reacts with water to create hydrogen gas and heat. Must be kept dry. Reacts with acids to form hydrogen gas which is highly flammable and explosive. Magnesium forms hazardous or explosive mixtures with aluminum and potassium perchlorate; ammonium nitrate; barium nitrate, barium dioxide and zinc; beryllium oxide; boron phosphodiiodide; bromobenzyl trifluoride; cadmium cyanide; cadmium oxide; calcium carbide; carbonates; carbon tetrachloride; chlorine; chlorine trifluoride; chloroform; cobalt cyanide; copper cyanide; copper sulfate(anhydrous), ammonium nitrate, potassium chlorate and water; cupric oxide; cupric sulfate; fluorine; gold cyanide; hydrogen and calcium carbonate; hydrogen iodide; hydrogen peroxide; iodine; lead cyanide; mercuric oxide; mercury cyanide; methyl chloride; molybdenum trioxide; nickel cyanide; nitric acid; nitrogen dioxide; oxygen (liquid); performic acid; phosphates; potassium chlorate; potassium perchlorate; silver nitrate; silver oxide; sodium perchlorate; sodium peroxide; sodium peroxide and carbon dioxide; stannic oxide; sulfates; trichloroethylene; zinc cyanide; zinc oxide.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: May cause skin irritation by mechanical action. May get mechanical injury or embedding of chips/particles in skin. The particles that are embedded in the wounds may retard healing. Eyes: May cause eye irritation by mechanical action. Mechanical injury may occur. Particles or chips may embed in eye and retard healing. Inhalation: Low hazard for ususal industrial handling. It may cause respiratory tract irritation. However, it is unlikely due to physical form. When Magnesium metal is heated during welding or smelting process, Metal Fume Fever may result from inhalation of magnesium fumes. Metal Fume Fever is a flu-like condition consisting of fever, chills, sweating, aches, pains, cough, weakness, headache, nausea, vomiting, and breathing difficulty. Other symptoms may include metallic taste, increased white blood cell count. There is no permanent ill-effect. Ingestion: Low hazard for usual industrial handling. There are no known reports of serious industrial poisonings with Magnesium. Ingeston of large amounts of chips, turnings or ribbons may cause gastrointestinal tract irritation with nausea, vomiting, and diarrhea. Acute ingestion may also result in Hypermagnesia. Hypermagnesia may cause hypotension, bradycardia, CNS depression, respiratory depression, and impairment of neuromuscular transmission (hyporeflexia, paralysis).

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 4.1: Flammable solid.

Identification: : Magnesium UNNA: 1869 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Magnesium Rhode Island RTK hazardous substances: Magnesium Pennsylvania RTK: Magnesium Massachusetts RTK: Magnesium Massachusetts spill list: Magnesium New Jersey: Magnesium TSCA 8(b) inventory: Magnesium

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-4: Flammable solid. CLASS B-6: Reactive and very flammable material.

DSCL (EEC):
R11- Highly flammable. R15- Contact with water liberates extremely flammable gases. S7/8- Keep container tightly closed and dry. S43- In case of fire, use dry chemical. Never use water.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 3

Reactivity: 2

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 1

Reactivity: 1

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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Last Updated: 06/09/2012 12:00 PM

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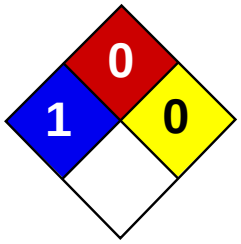

Health	1
Fire	0
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Manganese Metal Powder MSDS

Section 1: Chemical Product and Company Identification

Product Name: Manganese Metal Powder

Catalog Codes: SLM4390

CAS#: 7439-96-5

RTECS: OO9275000

TSCA: TSCA 8(b) inventory: Manganese

CI#: Not available.

Synonym:

Chemical Name: Manganese

Chemical Formula: Mn

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Manganese	7439-96-5	100

Toxicological Data on Ingredients: Manganese: ORAL (LD50): Acute: 9000 mg/kg [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, lungs, brain, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Explosive in presence of open flames and sparks.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards:
Moderate fire potential, in the form of dust or powder, when exposed to flame. When manganese if heated in the vapor of phosphorus at a very dull red heat, union occurs with incandescence. Concentrated nitric acid reacts with powdered manganese with incandescence and explosion. Powdered manganese ignites in chlorine.

Special Remarks on Explosion Hazards: Moderate explosion potential, in the form of dust or powder, when exposed to flame.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, reducing agents.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.1 (mg/m3) from ACGIH (TLV) [United States] TWA: 5 (mg/m3) [Canada] TWA: 1 STEL: 3 (mg/m3) from NIOSH [United States] TWA: 5 (mg/m3) from OSHA (PEL) [United States]Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Powdered solid.)

Odor: Odorless.

Taste: Not available.

Molecular Weight: 54.94 g/mole

Color: Grayish white.

pH (1% soln/water): Not applicable.

Boiling Point: 2095°C (3803°F)

Melting Point: 1244°C (2271.2°F)

Critical Temperature: Not available.

Specific Gravity: 7.44 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, reducing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Superficially oxidized on exposure to air. Reacts with aqueous solutions of sodium or potassium bicarbonate. Reacts with dilute mineral acids with evolution of hydrogen and formation of divalent manganous salts. Reacts with fluorine and chlorine to produce di or tri fluoride, and di and tri chloride, respectively. In the form of powder, it reduces most metallic oxides on heating. On heating, it reacts directly with carbon, phosphorus, antimony, or arsenic. Also incompatible with hydroxides, cyanides, carbonates.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 9000 mg/kg [Rat].

Chronic Effects on Humans: May cause damage to the following organs: blood, lungs, brain, central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant), of ingestion.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:
Manganese can cross the placenta. May cause cancer (tumorigenic) based on animal data.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: May cause skin irritaiton Eyes: Dust may cause mechanical irritation. Inhalation: Dust may cause respiratory tract irritation. May cause "Metal Fume Fever" which may include flu-like symptoms (fever, chills, upset stomach, vomiting, weakness, headache, body aches, muscle pains, dry mouth and throat, coughing, tightness of the chest). May affect behavior/Central Nervous system (change in motor activity, torpor, nervousness, tremor, yawning, mood swings, irritability, restlessness, fatigue, headache, apathy, languor, insomnia than somnolence, hallucinations, delusions, uncontrollable laughter followed by crying, compulsions, aggressivness, weakness in legs, memory loss, decreased libido, impotence, salivation, hearing loss, slow gait,), and respiration (dyspnea, shallow respiration, cyanosis, alveolar inflammation). Ingestion: Repeated or prolonged exposure from ingestion may affect brain (degenerative changes), blood and metabolism. Ingestion: May cause digestive tract irritation. There is a low gastrointesitnal absorption of manganese. Chronic Potential Health Effects: Inhalation: Repeated or prolonged exposure from inhalation may affect brain (degeneratiave changes), behavior/Central Nervous system with symptoms to acute exposure. May also affect liver (chronic liver disease, jaundice) Ingestion: Repeated or prolonged exposure from ingestion may affect brain, blood and metabolism

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
Illinois toxic substances disclosure to employee act: Manganese Rhode Island RTK hazardous substances: Manganese Pennsylvania RTK: Manganese Minnesota: Manganese Massachusetts RTK: Manganese New Jersey: Manganese New Jersey spill list: Manganese Louisiana spill reporting: Manganese California Director's List of Hazardous Substances: Manganese TSCA 8(b) inventory: Manganese SARA 313 toxic chemical notification and release reporting: Manganese

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not controlled under WHMIS (Canada).

DSCL (EEC): Not applicable.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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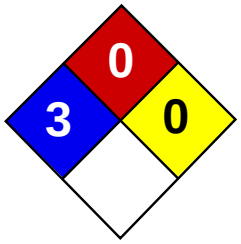

Health	3
Fire	0
Reactivity	0
Personal Protection	

Material Safety Data Sheet
Mercury MSDS

Section 1: Chemical Product and Company Identification

Product Name: Mercury

Catalog Codes: SLM3505, SLM1363

CAS#: 7439-97-6

RTECS: OV4550000

TSCA: TSCA 8(b) inventory: Mercury

CI#: Not applicable.

Synonym: Quick Silver; Colloidal Mercury; Metallic Mercury; Liquid Silver; Hydragyrum

Chemical Name: Mercury

Chemical Formula: Hg

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Mercury	7439-97-6	100

Toxicological Data on Ingredients: Mercury LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (corrosive, permeator). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
Hazardous in case of skin contact (permeator). CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human.) by ACGIH. 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, liver, brain, peripheral nervous system, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation.

Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. WARM water MUST be used. Get medical attention immediately.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions: Not applicable.

Special Remarks on Fire Hazards:
When thrown into mercury vapor, boron phosphodiiodide ignites at once. Flame forms with chlorine jet over mercury surface at 200 deg to 300 deg C. Mercury undergoes hazardous reactions in the presence of heat and sparks or ignition.

Special Remarks on Explosion Hazards:
A violent exothermic reaction or possible explosion occurs when mercury comes in contact with lithium and rubidium. CHLORINE DIOXIDE & LIQUID HG, WHEN MIXED, EXPLODE VIOLENTLY. Mercury and Ammonia can produce an

explosive compound. A mixture of the dry carbonyl and oxygen will explode on vigorous shaking with mercury. Methyl azide in the presence of mercury was shown to be potentially explosive.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Corrosive liquid. Poisonous liquid. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Keep container dry. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, metals.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 25°C (77°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Face shield. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves. Boots.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 0.025 from ACGIH (TLV) [United States] SKIN TWA: 0.05 CEIL: 0.1 (mg/m3) from OSHA (PEL) [United States] Inhalation TWA: 0.025 (mg/m3) [United Kingdom (UK)] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid. (Heavy liquid)

Odor: Odorless.

Taste: Not available.

Molecular Weight: 200.59 g/mole

Color: Silver-white

pH (1% soln/water): Not available.

Boiling Point: 356.73°C (674.1°F)

Melting Point: -38.87°C (-38°F)

Critical Temperature: 1462°C (2663.6°F)

Specific Gravity: 13.55 (Water = 1)

Vapor Pressure: Not available.

Vapor Density: 6.93 (Air = 1)

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Very slightly soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, metals.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Ground mixtures of sodium carbide and mercury, aluminum, lead, or iron can react vigorously. A violent exothermic reaction or possible explosion occurs when mercury comes in contact with lithium and rubidium. Incompatible with boron diiodophosphide; ethylene oxide; metal oxides, metals(aluminum, potassium, lithium, sodium, rubidium); methyl azide; methylsilane, oxygen; oxidants(bromine, peroxyformic acid, chlorine dioxide, nitric acid, tetracarbonynickel, nitromethane, silver perchlorate, chlorates, sulfuric acid, nitrates,); tetracarbonylnickel, oxygen, acetylinic compounds, ammonia, ethylene oxide, methylsiliane, calcium,

Special Remarks on Corrosivity:
The high mobility and tendency to dispersion exhibited by mercury, and the ease with which it forms alloys (amalga) with many laboratory and electrical contact metals, can cause severe corrosion problems in laboratories. Special precautions: Mercury can attack copper and copper alloy materials.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified A5 (Not suspected for human.) by ACGIH. 3 (Not classifiable for human.) by IARC. May cause damage to the following organs: blood, kidneys, liver, brain, peripheral nervous system, central nervous system (CNS).

Other Toxic Effects on Humans:
Very hazardous in case of skin contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (corrosive, permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans:

May affect genetic material. May cause cancer based on animal data. Passes through the placental barrier in animal. May cause adverse reproductive effects(paternal effects- spermatogenesis; effects on fertility - fetotoxicity, post-implantation mortality), and birth defects.

Special Remarks on other Toxic Effects on Humans:

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Class 8: Corrosive material

Identification: : Mercury UNNA: 2809 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Mercury California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Mercury Connecticut hazardous material survey.: Mercury Illinois toxic substances disclosure to employee act: Mercury Illinois chemical safety act: Mercury New York acutely hazardous substances: Mercury Rhode Island RTK hazardous substances: Mercury Pennsylvania RTK: Mercury Minnesota: Mercury Massachusetts RTK: Mercury New Jersey: Mercury New Jersey spill list: Mercury Louisiana spill reporting: Mercury California Director's List of Hazardous Substances.: Mercury TSCA 8(b) inventory: Mercury SARA 313 toxic chemical notification and release reporting: Mercury CERCLA: Hazardous substances.: Mercury: 1 lbs. (0.4536 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS D-1A: Material causing immediate and serious toxic effects (VERY TOXIC). CLASS D-2A: Material causing other toxic effects (VERY TOXIC). CLASS E: Corrosive liquid.

DSCL (EEC):
R23- Toxic by inhalation. R33- Danger of cumulative effects. R38- Irritating to skin. R41- Risk of serious damage to eyes. R50/53- Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. S2- Keep out of the

reach of children. S7- Keep container tightly closed. S26- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39- Wear eye/face protection. S45- In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). S46- If swallowed, seek medical advice immediately and show this container or label. S60- This material and its container must be disposed of as hazardous waste. S61- Avoid release to the environment. Refer to special instructions/Safety data sheets.

HMIS (U.S.A.):

Health Hazard: 3

Fire Hazard: 0

Reactivity: 0

Personal Protection:

National Fire Protection Association (U.S.A.):

Health: 3

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Full suit. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Face shield.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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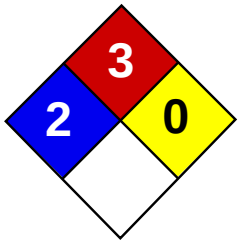

Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Methyl tert-butyl ether MSDS

Section 1: Chemical Product and Company Identification

Product Name: Methyl tert-butyl ether

Catalog Codes: SLM2152

CAS#: 1634-04-4

RTECS: KN5250000

TSCA: TSCA 8(b) inventory: Methyl tert-butyl ether

CI#: Not available.

Synonym:

Chemical Name: Methyl tert-Butyl Ether

Chemical Formula: C5-H12-O

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Methyl {tert-}butyl ether	1634-04-4	100

Toxicological Data on Ingredients: Methyl tert-butyl ether: ORAL (LD50): Acute: 4000 mg/kg [Rat]. 5960 mg/kg [Mouse]. VAPOR (LC50): Acute: 23576 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Extremely hazardous in case of eye contact (irritant), of ingestion. Very hazardous in case of skin contact (irritant), of inhalation. Hazardous in case of skin contact (permeator). Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
Extremely hazardous in case of eye contact (irritant), of ingestion. Very hazardous in case of skin contact (irritant), of inhalation. Hazardous in case of skin contact (permeator). CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs, the nervous system, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged inhalation of vapors may lead to chronic respiratory irritation.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 224°C (435.2°F)

Flash Points: CLOSED CUP: -28°C (-18.4°F).

Flammable Limits: LOWER: 2.5% UPPER: 15.1%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Flammable in presence of open flames and sparks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapour/spray. In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C (100°F).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Characteristic. (Strong.)

Taste: Not available.

Molecular Weight: 88.15 g/mole

Color: Clear Colorless.

pH (1% soln/water): Not available.

Boiling Point: 55.2°C (131.4°F)

Melting Point: -109°C (-164.2°F)

Critical Temperature: Not available.

Specific Gravity: 0.7405 (Water = 1)

Vapor Pressure: 245 mm of Hg (@ 20°C)

Vapor Density: 3.1 (Air = 1)

Volatility: 100% (v/v).

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, methanol, diethyl ether.

Solubility:

Soluble in methanol, diethyl ether. Partially soluble in cold water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Not available.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 4000 mg/kg [Rat]. Acute toxicity of the vapor (LC50): 23576 ppm 4 hour(s) [Rat].

Chronic Effects on Humans: The substance is toxic to lungs, the nervous system, mucous membranes.

Other Toxic Effects on Humans:
Extremely hazardous in case of ingestion. Very hazardous in case of skin contact (irritant), of inhalation. Hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: Class 3: Flammable liquid.

Identification: : Methyl tert-butyl ether : UN2398 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Pennsylvania RTK: Methyl tert-butyl ether Massachusetts RTK: Methyl tert-butyl ether TSCA 8(b) inventory: Methyl tert-butyl ether SARA 313 toxic chemical notification and release reporting: Methyl tert-butyl ether CERCLA: Hazardous substances.: Methyl tert-butyl ether

Other Regulations: OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R11- Highly flammable. R38- Irritating to skin. R41- Risk of serious damage to eyes.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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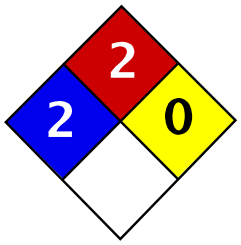

Health	2
Fire	2
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Naphthalene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Naphthalene

Catalog Codes: SLN1789, SLN2401

CAS#: 91-20-3

RTECS: QJ0525000

TSCA: TSCA 8(b) inventory: Naphthalene

CI#: Not available.

Synonym:

Chemical Name: Not available.

Chemical Formula: C10H8

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call:
1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Naphthalene	91-20-3	100

Toxicological Data on Ingredients: Naphthalene: ORAL (LD50): Acute: 490 mg/kg [Rat]. 533 mg/kg [Mouse]. 1200 mg/kg [Guinea pig]. DERMAL (LD50): Acute: 20001 mg/kg [Rabbit]. VAPOR (LC50): Acute: 170 ppm 4 hour(s) [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of ingestion. Hazardous in case of eye contact (irritant), of inhalation. Slightly hazardous in case of skin contact (irritant, permeator). Severe over-exposure can result in death.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.
DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE].
The substance is toxic to blood, kidneys, the nervous system, the reproductive system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, central nervous system (CNS).
Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold water may be used. Do not use an eye ointment. Seek medical attention.

Skin Contact:
After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

Serious Skin Contact: Not available.

Inhalation: Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Ingestion:
Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 567°C (1052.6°F)

Flash Points: CLOSED CUP: 88°C (190.4°F). OPEN CUP: 79°C (174.2°F).

Flammable Limits: LOWER: 0.9% UPPER: 5.9%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances: Not available.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable solid.
SMALL FIRE: Use DRY chemical powder.
LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Large Spill:
Flammable solid.
Stop leak if without risk. Do not touch spilled material. Use water spray curtain to divert vapor drift. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. Avoid contact with eyes Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage:
Flammable materials should be stored in a separate safety storage cabinet or room. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place. Ground all equipment containing material. Keep container dry. Keep in a cool place.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection:
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
Israel: TWA: 10 (ppm)
TWA: 10 STEL: 15 (ppm) from ACGIH (TLV) [1995]
TWA: 52 STEL: 79 (mg/m3) from ACGIH [1995]
Australia: STEL: 15 (ppm)
Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Crystalline solid.)

Odor: Aromatic.

Taste: Not available.

Molecular Weight: 128.19 g/mole

Color: White.

pH (1% soln/water): Not available.

Boiling Point: 218°C (424.4°F)

Melting Point: 80.2°C (176.4°F)

Critical Temperature: Not available.

Specific Gravity: 1.162 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: 4.4 (Air = 1)

Volatility: Not available.

Odor Threshold: 0.038 ppm

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties:
Partially dispersed in hot water, methanol, n-octanol.
Very slightly dispersed in cold water.
See solubility in methanol, n-octanol.

Solubility:
Partially soluble in methanol, n-octanol.
Very slightly soluble in cold water, hot water.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Not available.

Incompatibility with various substances: Highly reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: May attack some forms of rubber and plastic

Polymerization: No.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE.
Acute oral toxicity (LD50): 490 mg/kg [Rat].
Acute dermal toxicity (LD50): 20001 mg/kg [Rabbit].
Acute toxicity of the vapor (LC50): 170 ppm 4 hour(s) [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH.

DEVELOPMENTAL TOXICITY: Classified Development toxin [POSSIBLE].
The substance is toxic to blood, kidneys, the nervous system, the reproductive system, liver, mucous membranes, gastrointestinal tract, upper respiratory tract, central nervous system (CNS).

Other Toxic Effects on Humans:
Very hazardous in case of ingestion.
Hazardous in case of inhalation.
Slightly hazardous in case of skin contact (irritant, permeator).

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Ecotoxicity in water (LC50): 305.2 ppm 96 hour(s) [Trout].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:

Section 14: Transport Information

DOT Classification: CLASS 4.1: Flammable solid.

Identification: : Naphthalene, refined : UN1334 PG: III

Special Provisions for Transport: Marine Pollutant

Section 15: Other Regulatory Information

Federal and State Regulations:
Rhode Island RTK hazardous substances: Naphthalene
Pennsylvania RTK: Naphthalene
Florida: Naphthalene
Minnesota: Naphthalene
Massachusetts RTK: Naphthalene
TSCA 8(b) inventory: Naphthalene
TSCA 8(a) PAIR: Naphthalene
TSCA 8(d) H and S data reporting: Naphthalene: 06/01/87
SARA 313 toxic chemical notification and release reporting: Naphthalene: 1%
CERCLA: Hazardous substances.: Naphthalene: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-4: Flammable solid.
CLASS D-1B: Material causing immediate and serious toxic effects (TOXIC).
CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):
R36- Irritating to eyes.
R40- Possible risks of irreversible effects.
R48/22- Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R48/23- Toxic: danger of serious damage to health by prolonged exposure through inhalation.
R63- Possible risk of harm to the unborn child.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 2

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 2

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves.
Lab coat.
Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.
Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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Last Updated: 10/11/2005 01:30 PM

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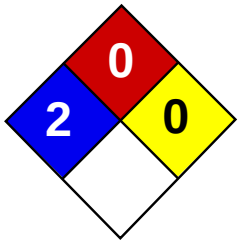

Health	2
Fire	0
Reactivity	0
Personal Protection	E

Material Safety Data Sheet
Nickel metal MSDS

Section 1: Chemical Product and Company Identification

Product Name: Nickel metal

Catalog Codes: SLN2296, SLN1342, SLN1954

CAS#: 7440-02-0

RTECS: QR5950000

TSCA: TSCA 8(b) inventory: Nickel metal

CI#: Not applicable.

Synonym: Nickel Metal shot; Nickel metal foil.

Chemical Name: Nickel

Chemical Formula: Ni

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Nickel metal	7440-02-0	100

Toxicological Data on Ingredients: Nickel metal LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer), of eye contact (irritant), of ingestion.

Potential Chronic Health Effects:
Slightly hazardous in case of skin contact (sensitizer), of ingestion, of inhalation (lung sensitizer). CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. Classified 2 (Some evidence.) by NTP. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to skin. The substance may be toxic to kidneys, lungs, liver, upper respiratory tract. Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: Not applicable.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable solid. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Material in powder form, capable of creating a dust explosion. This material is flammable in powder form only.

Special Remarks on Explosion Hazards:
Material in powder form, capable of creating a dust explosion. Mixtures containing Potassium Perchlorate with Nickel & Titanium powders & infusorial earth can explode. Adding 2 or 3 drops of approximately 90% peroxyformic acid to powdered nickel will result in explosion. Powdered nickel reacts explosively upon contact with fused ammonium nitrate at temperatures below 200 deg. C.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep locked up.. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Keep away from incompatibles such as oxidizing agents, combustible materials, metals, acids.

Storage: Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 1 (mg/m3) from ACGIH (TLV) [United States] Inhalation Respirable. TWA: 0.5 (mg/m3) [United Kingdom (UK)] TWA: 1 (mg/m3) from OSHA (PEL) [United States] InhalationConsult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Metal solid. Lustrous solid.)

Odor: Odorless.

Taste: Not available.

Molecular Weight: 58.71 g/mole

Color: Silvery.

pH (1% soln/water): Not applicable.

Boiling Point: 2730°C (4946°F)

Melting Point: 1455°C (2651°F)

Critical Temperature: Not available.

Specific Gravity: Density: 8.908 (Water = 1)

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:

Insoluble in cold water, hot water. Insoluble in Ammonia. Soluble in dilute Nitric Acid. Slightly soluble in Hydrochloric Acid, Sulfuric Acid.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents, combustible materials, metals, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Incompatible with strong acids, selenium, sulfur, wood and other combustibles, nickel nitrate, aluminum, aluminum trichloride, ethylene, p-dioxan, hydrogen, methanol, non-metals, oxidants, sulfur compounds, aniline, hydrogen sulfide, flammable solvents, hydrazine, and metal powders (especially zinc, aluminum, and magnesium), ammonium nitrate, nitryl fluoride, bromine pentafluoride, potassium perchlorate + titanium powder + indusorial earth.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: Classified 2B (Possible for human.) by IARC. Classified 2 (Some evidence.) by NTP. Causes damage to the following organs: skin. May cause damage to the following organs: kidneys, lungs, liver, upper respiratory tract.

Other Toxic Effects on Humans:
Hazardous in case of inhalation. Slightly hazardous in case of skin contact (irritant, sensitizer), of ingestion.

Special Remarks on Toxicity to Animals:
Lowest Published Lethal Dose/Conc: LDL [Rat] - Route: Oral; Dose: 5000 mg/kg LDL [Guinea Pig] - Route: Oral; Dose: 5000 mg/kg

Special Remarks on Chronic Effects on Humans: May cause cancer based on animal test data

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Nickel dust and fume can irritate skin. Eyes: Nickel dust and fume can irritate eyes. Inhalation: Inhalation of dust or fume may cause respiratory tract irritation with non-productive cough, hoarseness, sore throat, headache, vertigo, weakness, chest pain, followed by delayed effects, including tachypnea, dyspnea, and ARDS. Death due to ARDS has been reported following inhalation of high concentrations of respirable metallic nickel dust. Later effects may include pulmonary edema and fibrosis. Ingestion: Metallic nickel is generally considered not to be acutely toxic if ingested. Ingestion may cause nausea, vomiting, abdominal , and diarrhea. Nickel may damage the kidneys(proteinuria), and may affect liver function. It may also affect behavior (somnolence), and cardiovascular system (increased cornary artery resistance, decreased myocardial contractility, myocardial damage, regional or general arteriolar or venus dilation). Chronic Potential Health Effects: Skin: May cause skin allergy. Nickel and nickel compounds are among the most common sensitizers inducing allergic contact dermatitis. Inhalation: Chronic inhalation nickel dust or fume can cause chronic hypertrophic rhinitis, sinusitis, nasal polyps, perforation of the nasal septum, chronic pulmonary irritation, fibrosis, pulmonary edema, pulmonary eosinophilia, Pneumoconiosis, allergies (asthma-like allergy), and cancer of the nasal sinus cavities, lungs, and possibly other organs. Future exposures can cause asthma attacks with shortness of breath, wheezing, cough, and/or chest tightness. Chronic inhalation of nickel dust or fume may also affect the liver (impaired liver function tests), and blood (changes in red blood cell count). Ingestion: Prolonged or repeated ingestion of nickel can be a source chronic urticaria and other signs of allergy.

Chronic ingestion of NIckel may also affect respiration and cause pneumoconiosis or fibrosis. Note: In the general population, sensitization occurs from exposure to nickel-containing coins, jewelry, watches,

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are as toxic as the original product.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Nickel metal California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: Nickel metal Connecticut hazardous material survey.: Nickel metal Illinois toxic substances disclosure to employee act: Nickel metal Illinois chemical safety act: Nickel metal New York release reporting list: Nickel metal Rhode Island RTK hazardous substances: Nickel metal Pennsylvania RTK: Nickel metal Michigan critical material: Nickel metal Massachusetts RTK: Nickel metal Massachusetts spill list: Nickel metal New Jersey: Nickel metal New Jersey spill list: Nickel metal Louisiana spill reporting: Nickel metal California Director's List of Hazardous Substances: Nickel metal TSCA 8(b) inventory: Nickel metal

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R40- Possible risks of irreversible effects. R43- May cause sensitization by skin contact. S22- Do not breathe dust. S36- Wear suitable protective clothing.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 0

Reactivity: 0

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 0

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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TCI AMERICA

Material Safety Data Sheet

HAZARD WARNINGS	RISK PHRASES	PROTECTIVE CLOTHING
	Combustible material; avoid heat and sources of ignition. The health risks of this compound have not been fully determined. Exposure may cause irritation of the skin, eyes, and respiratory system.	

Section I. Chemical Product and Company Identification

Chemical Name **n-Propylbenzene**

Catalog Number	P0523
Synonym	1-Phenylpropane
Chemical Formula	$CH_3CH_2CH_2C_6H_5$
CAS Number	103-65-1

Supplier: TCI America, 9211 N. Harborgate St., Portland OR, 1-800-423-8616

In case of Emergency Call: **Chemtrec® (800) 424-9300 (U.S.) (703) 527-3887 (International)**

Section II. Composition and Information on Ingredients

Chemical Name	CAS Number	Percent (%)	TLV/PEL	Toxicology Data
n-Propylbenzene	103-65-1	Min. 99.0 (GC)	Not available.	Rat LD_{50} (inhalation) 65000ppm/2H Rat LD_{50} (oral) 6040mg/kg

Section III. Hazards Identification

Acute Health Effects

No specific information is available in our data base regarding the toxic effects of this material for humans. However, exposure to any chemical should be kept to a minimum. Skin and eye contact may result in irritation. May be harmful if inhaled or ingested. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this compound.

Chronic Health Effects

CARCINOGENIC EFFECTS : Not available.
MUTAGENIC EFFECTS : Not available.
TERATOGENIC EFFECTS : Not available.
DEVELOPMENTAL TOXICITY: Not available.
Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Section IV. First Aid Measures

Eye Contact

Check for and remove any contact lenses. IMMEDIATELY flush eyes with runing water for at least 15 minutes. keeping eyelids open. COLD water may be used. DO NOT use an eye oitment. Flush eyes with running water for a minimum of 15 minutes, occasionally lifting the upper eyelids. Seek medical attention. Treat symptomatically and supportively.

Skin Contact

After contact with skin, wash immediately with plenty of water. Gently and thorough wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. Seek medical attention. Treat symptomatically and supportively. Wash any contaminated clothing before reusing.

Inhalation

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform artificial respiration. WARNING: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention and, if possible, show the chemical label. Treat symptomatically and supportively.

Ingestion

INDUCE VOMITING by sticking finger in throat. Lower the head so that the vomit will not reenter the mouth and throat. Loosen tight clothing such as a collar, tie, belt, or waistband. If the victim is not breathing, administer artificial respiration. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Seek immediate medical attention and, if possible, show the chemical label. Treat symptomatically and supportively.

Section V. Fire and Explosion Data

Flammability	Combustible.	Auto-Ignition	Not available.
Flash Points	47.8°C (118°F).	Flammable Limits	Not available.

Combustion Products

These products are toxic carbon oxides (CO, CO_2).

Fire Hazards

No specific information is available regarding the flammability of this compound in the presence of various materials.

Explosion Hazards

Risks of explosion of the product in presence of mechanical impact: Not available.
Risks of explosion of the product in presence of static discharge: Not available.
No additional information is available regarding the risks of explosion.

Continued on Next Page

Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemicals, CO_2, alcohol foam or water spray. LARGE FIRE: Use alcohol foam, water spray or fog.

Section VI. Accidental Release Measures

Spill Cleanup Instructions	Combustible liquid. Keep away from heat and sources of ignition. Mechanical exhaust required. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. DO NOT touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition. Consult federal, state, and/or local authorities for assistance on disposal.

Section VII. Handling and Storage

Handling and Storage Information	COMBUSTIBLE. Handle with caution and minimize exposure. DO NOT ingest. Do not breathe gas, fumes, vapor or spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Treat symptomatically and supportively. Always store away from incompatible compounds such as oxidizing agents.

Section VIII. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash station and safety shower is proximal to the work-station location.
Personal Protection	Splash goggles. Lab coat. Dust respirator. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits	Not available.

Section IX. Physical and Chemical Properties

Physical state @ 20°C	Liquid.	Solubility	Very slightly soluble in water. Soluble in alcohol, ether, all proportions in acetone, benzene, and petroleum ether.
Specific Gravity	0.86		
Molecular Weight	120.19	Partition Coefficient	Not available.
Boiling Point	159°C (318.2°F)	Vapor Pressure	Not available.
Melting Point	-99°C (-146.2°F)	Vapor Density	Not available.
Refractive Index	1.4920 @ 20°C	Volatility	Not available.
Critical Temperature	Not available.	Odor	Not available.
Viscosity	Not available.	Taste	Not available.

Section X. Stability and Reactivity Data

Stability	This material is stable if stored under proper conditions. (See Section VII for instructions)
Conditions of Instability	Avoid excessive heat and light.
Incompatibilities	Reactive with strong oxidizing agents.

Section XI. Toxicological Information

RTECS Number	DA8750000
Routes of Exposure	Eye contact. Ingestion. Inhalation.
Toxicity Data	Rat LD_{50} (inhalation) 65000ppm/2H Rat LD_{50} (oral) 6040mg/kg
Chronic Toxic Effects	**CARCINOGENIC EFFECTS** : Not available. **MUTAGENIC EFFECTS** : Not available. **TERATOGENIC EFFECTS** : Not available. **DEVELOPMENTAL TOXICITY**: Not available. Repeated exposure to an highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.
Acute Toxic Effects	No specific information is available in our data base regarding the toxic effects of this material for humans. However, exposure to any chemical should be kept to a minimum. Skin and eye contact may result in irritation. May be harmful if inhaled or ingested. Always follow safe industrial hygiene practices and wear proper protective equipment when handling this compound.

Continued on Next Page

Section XII. Ecological Information

Ecotoxicity	Not available.
Environmental Fate	Not available.

Section XIII. Disposal Considerations

Waste Disposal	Recycle to process, if possible. Consult your local or regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state, and local regulations when disposing of the substance.

Section XIV. Transport Information

DOT Classification	DOT CLASS 3: Flammable liquid.
PIN Number	UN2364
Proper Shipping Name	n-Propylbenzene
Packing Group (PG)	III
DOT Pictograms	

Section XV. Other Regulatory Information and Pictograms

TSCA Chemical Inventory (EPA)	This compound is **ON** the EPA Toxic Substances Control Act (TSCA) inventory list.
WHMIS Classification (Canada)	WHMIS CLASS B-3: Combustible liquid with a flash point between 35°C (100°F) and 93.3°C (200°F).
EINECS Number (EEC)	203-132-9
EEC Risk Statements	R10- Flammable. R18- In use, may form flammable/explosive vapor-air mixture.
Japanese Regulatory Data	Not available.

Section XVI. Other Information

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Validated on 10/26/1998.
Printed 3/18/2005.

Notice to Reader

TCI laboratory chemicals are for research purposes only and are NOT intended for use as drugs, food additives, households, or pesticides. The information herein is believed to be correct, but does not claim to be all inclusive and should be used only as a guide. Neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All chemical reagents must be handled with the recognition that their chemical, physiological, toxicological, and hazardous properties have not been fully investigated or determined. All chemical reagents should be handled only by individuals who are familiar with their potential hazards and who have been fully trained in proper safety, laboratory, and chemical handling procedures. Although certain hazards are described herein, we can not guarantee that these are the only hazards which exist. Our MSDS sheets are based only on data available at the time of shipping and are subject to change without notice as new information is obtained. Avoid long storage periods since the product is subject to degradation with age and may become more dangerous or hazardous. It is the responsibility of the user to request updated MSDS sheets for products that are stored for extended periods. Disposal of unused product must be undertaken by qualified personnel who are knowledgeable in all applicable regulations and follow all pertinent safety precautions including the use of appropriate protective equipment (e.g. protective goggles, protective clothing, breathing equipment, facial mask, fume hood). For proper handling and disposal, always comply with federal, state, and local regulations.

Monsanto
Material Safety Data

POLYCHLORINATED BIPHENYLS (PCBs)

Emergency Phone No.
(Call Collect)
314-694-1000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: POLYCHLORINATED BIPHENYLS (PCBs)
Aroclor® Series 1016, 1221, 1232, 1242, 1248, 1254, 1260, 1262, 1268
Therminol® FR Series

MSDS Number: M00018515 Date: 12/95

Chemical Family: Chlorinated Hydrocarbons
Chemical Name: Polychlorinated biphenyls
Synonyms: PCBs, Chlorodiphenyls, Chlorinated biphenyls

Trade Names/Common Names:

PYRANOL® and INERTEEN® are trade names for commonly used dielectric fluids that may have contained varying amounts of PCBs as well as other components including chlorinated benzenes.

ASKAREL is the generic name for a broad class of fire resistant synthetic chlorinated hydrocarbons and mixtures used as dielectric fluids that commonly contained about 30 - 70% PCBs. Some ASKAREL fluids contained 99% or greater PCBs and some contained no PCBs.

PYDRAUL® is the trade name for hydraulic fluids that, prior to 1972, may have contained varying amounts of PCBs and other components including phosphate esters.

The product names/trade names are representative of several commonly used Monsanto products (or products formulated with Monsanto products). Other trademarked PCB products were marketed by Monsanto and other manufacturers. PCBs were also manufactured and sold by several European and Japanese companies. Contact the manufacturer of the trademarked product, if not in this listing, to determine if the formulation contained PCBs.

In 1972, Monsanto restricted sales of PCBs to applications involving only closed electrical systems, (transformers and capacitors). In 1977, all manufacturing and sales were voluntarily terminated. In 1979, EPA restricted the manufacture, processing, use, and distribution of PCBs to specifically exempted and authorized activities.

MONSANTO COMPANY, 800 N. LINDBERGH BLVD., ST. LOUIS, MO 63167

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT
Call CHEMTREC - Day or Night - 1-800-424-9300 Toll free in the continental U.S., Hawaii, Puerto Rico, Canada, Alaska, or Virgin Islands. For calls originating elsewhere: 202-483-7616 (collect calls accepted)

For additional nonemergency information, call: 314-694-3344.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemically, commercial PCBs are defined as a series of technical mixtures, consisting of many isomers and compounds that vary from mobile, oily liquids to white crystalline solids and hard noncrystalline resins. Technical products vary in composition, in the degree of chlorination, and possibly according to batch.

The mixtures generally used contain an average of 3 atoms of chlorine per molecule (42% chlorine) to 5 atoms of chlorine per module (54% chlorine). They were used as components of dielectric fluids in transformers and capacitors. Prior to 1972, PCB applications included heat transfer media, hydraulic, and other industrial fluids, plasticizers, carbonless copy paper, paints, inks, and adhesives.

Component	CAS No.
chlorinated biphenyl	1336-36-3
Aroclor 1016	12674-11-2
Aroclor 1221	11104-28-2
Aroclor 1232	11141-16-5
Aroclor 1242	53469-21-9
Aroclor 1248	12672-29-6
Aroclor 1254	11097-69-1
Aroclor 1260	11096-82-5
Aroclor 1262	37324-23-5
Aroclor 1268	11100-14-4

There are also CAS Numbers for individual PCB congeners and for mixtures of Aroclor® products.

PCBs are identified as hazardous chemicals under criteria of the OSHA Hazard Communication Standard (29 CFR Part 1910.1200). PCBs have been listed in the International Agency for Research on Cancer (IARC) Monographs (1987)-Group 2A and in the National Toxicology Program (NTP) Annual Report on Carcinogens (Seventh).

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Appearance and Odor: PCB mixtures range in form and color from clear to amber liquids to white crystalline solids. They have a mild, distinctive odor and are not volatile at room temperature. Refer to Section 9 for details.

WARNING!
CAUSES EYE IRRITATION
MAY CAUSE SKIN IRRITATION

PROCESSING AT ELEVATED TEMPERATURES MAY RELEASE VAPORS OR FUMES WHICH MAY CAUSE RESPIRATORY TRACT IRRITATION

POTENTIAL HEALTH EFFECTS

Likely Routes of Exposure: Skin contact and inhalation of heated vapors

Eye Contact: Causes moderate irritation based on worker experience.

Skin Contact: Prolonged or repeated contact may result in redness, dry skin and defatting based on human experience. A potential exists for developing chloracne. PCBs can be absorbed through intact skin.

Inhalation: Due to the low volatility of PCBs, exposure to this material in ambient conditions is not expected to produce adverse health effects. However, at elevated processing temperatures, PCBs may produce a vapor that may cause respiratory tract irritation if inhaled based on human experience.

Ingestion: No more than slightly toxic based on acute animal toxicity studies. Coughing, choking and shortness of breath may occur if liquid material is accidentally drawn into the lungs during swallowing or vomiting.

Other: Numerous epidemiological studies of humans, both occupationally exposed and nonworker environmentally exposed populations, have not demonstrated any causal relationship between PCB exposure and chronic human illnesses such as cancer or neurological or cardiovascular effects. PCBs at high dosage can cause skin symptoms; however, these subside upon removal of the exposure source.

Refer to Section 11 for toxicological information.

4. FIRST AID MEASURES

IF IN EYES, immediately flush with plenty of water for at least 15 minutes. If easy to do, remove any contact lenses. Get medical attention. Remove material from skin and clothing.

IF ON SKIN, immediately flush the area with plenty of water. Wash skin gently with soap as soon as it is available. Get medical attention if irritation persists.

IF INHALED, remove person to fresh air. If breathing is difficult, get medical attention.

IF SWALLOWED, do NOT induce vomiting. Rinse mouth with water. Get medical attention. Contact a Poison Control Center. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

NOTE TO PHYSICIANS: Hot PCBs may cause thermal burn. If electrical equipment arcs between conductors, PCBs or other chlorinated hydrocarbon dielectric fluids may decompose to produce hydrochloric acid (HCl), a respiratory irritant. If large amounts are swallowed, gastric lavage may be considered.

5. FIRE FIGHTING MEASURES

Flash Point: 284 degrees F (140 degrees C) or higher depending on the chlorination level of the Aroclor product

Fire Point: 349 degrees F (176 degrees C) or higher depending on the chlorination level of the Aroclor product

NOTE: Refer to Section 9 for individual flash points and fire points.

Extinguishing Media: Extinguish fire using agent suitable for surrounding fire. Use dry chemical, foam, carbon dioxide or water spray. Water may be ineffective. Use water spray to keep fire-exposed containers or transformer cool.

PCBs are fire-resistant compounds. They may decompose to form CO, CO2, HCl, phenolics, aldehydes, and other toxic combustion products under severe conditions such as exposure to flame or hot surfaces.

Dielectric fluids having PCBs and chlorinated benzenes as components have been reported to produce polychlorinated dibenzo-p-dioxins (PCDDs) and furans (PCDFs) during fire situations involving electrical equipment. At temperatures in the range of 600-650 degrees C in the presence of excess oxygen, PCBs may form polychlorinated dibenzofurans (PCDFs). Laboratory studies under similar conditions have demonstrated that PCBs do not produce polychlorinated dibenzo-p-dioxins (PCDDs).

Federal regulations require all PCB transformers to be registered with fire response personnel.

If a PCB transformer is involved in a fire-related incident, the owner of the transformer may be required to report the incident. Consult and follow appropriate federal, state and local regulations.

Fire Fighting Equipment: Fire fighters and others exposed to products of combustion should wear self-contained breathing apparatus. Equipment should be thoroughly decontaminated after use.

6. ACCIDENTAL RELEASE MEASURES

Cleanup and disposal of liquid PCBs and other PCB items are strictly regulated by the federal government. The regulations are found at 40 CFR Part 761. Consult these regulations as well as applicable state and local regulations prior to any cleanup or disposal of PCBs, PCB items, or PCB contaminated items.

If PCBs leak or are spilled, the following steps should be taken immediately:

All nonessential personnel should leave the leak or spill area.

The area should be adequately ventilated to prevent the accumulation of vapors.

The spill/leak should be contained. Loss to sewer systems, navigable waterways, and streams should be prevented. Spills/leaks should be removed promptly by means of absorptive material, such as sawdust, vermiculite, dry sand, clay, dirt or other similar materials, or trapped and removed by pumping or other suitable means (traps, drip-pans, trays, etc.).

Personnel entering the spill or leak area should be furnished with appropriate personal protective equipment and clothing as needed. Refer to Section 8 for personal protection equipment and clothing.

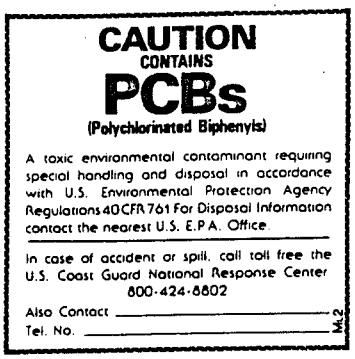
Personnel trained in emergency procedures and protected against attendant hazards should shut off sources of PCBs, clean up spills, control and repair leaks, and fight fires in PCB areas.

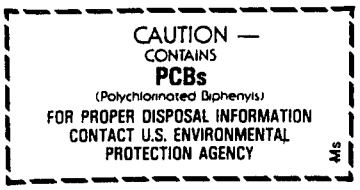
Refer to Section 13 for disposal information and Sections 14 and 15 for information regarding reportable quantity, and Section 7 for marking information.

7. HANDLING AND STORAGE

Care should be taken to prevent entry into the environment through spills, leakage, use vaporization, or disposal of liquid or containers. Avoid prolonged breathing of vapors or mists. Avoid contact with eyes or prolonged contact with skin. If skin contact occurs, remove by washing with soap and water. Following eye contact, flush with water. In case of spillage onto clothing, the clothing should be removed as soon as practical, skin washed, and clothing laundered. Comply with all federal, state, and local regulations.

Federal regulations under the Toxic Substances Control Act require PCBs, PCB items, storage areas, transformer vaults, and transport vehicles to be marked (check regulations, 40 CFR 761, for details).





Storage: The storage of PCB items or equipment (those containing 50 ppm or greater PCBs) and PCB waste is strictly regulated by 40 CFR Part 761. The storage time is limited, the storage area must meet physical requirements, and the area must be labeled.

Avoid contact with eyes.
Wash thoroughly after handling.
Avoid breathing processing fumes or vapors.
Process using adequate ventilation.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Wear chemical splash goggles and have eye baths available where there is significant potential for eye contact.

Skin Protection: Wear appropriate protective clothing and chemical resistant gloves to prevent skin contact. Consult glove manufacturer to determine the appropriate type glove for a given application. Wear chemical goggles, face shield, and chemical resistant clothing such as a rubber apron when splashing is likely. Wash immediately if skin is contacted. Remove contaminated clothing promptly and launder before reuse. Clean protective equipment before reuse. Provide a safety shower at any location where skin contact can occur. Wash thoroughly after handling.

ATTENTION! Repeated or prolonged skin contact may cause chloracne in some people.

Respiratory Protection: Avoid breathing vapor, mist, or dust. Use NIOSH/MSHA approved equipment when airborne exposure limits are exceeded. Full facepiece equipment is recommended when airborne exposure limits are exceeded and, if used, replaces the need for face shield and/or chemical splash goggles. Consult respirator manufacturer to determine the type of equipment for a given application. The respirator use limitations specified by NIOSH/MSHA or the manufacturer must be observed. High airborne concentrations may require use of self-contained breathing apparatus or supplied air respirator. Respiratory protection programs must be in compliance with 29 CFR Part 1910.134.

ATTENTION! Repeated or prolonged inhalation may cause chloracne in some people.

Ventilation: Provide natural or mechanical ventilation to control exposure levels below airborne exposure limits (see below). If practical, use local mechanical exhaust ventilation at sources of vapor or mist, such as open process equipment.

Airborne Exposure Limits:

Product: Chlorodiphenyl (42% chlorine)

OSHA PEL: 1 mg/m^3 8-hour time-weighted average - Skin*
ACGIH TLV: 1 mg/m^3 8-hour time-weighted average - Skin*

Product: Chlorodiphenyl (54% chlorine)

OSHA PEL: 0.5 mg/m^3 8-hour time-weighted average - Skin*
ACGIH TLV: 0.5 mg/m^3 8-hour time-weighted average - Skin*

*For Skin notation see Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices, American Conference of Government Industrial Hygienists, 1995-1996.

9. PHYSICAL AND CHEMICAL PROPERTIES

PROPERTIES OF SELECTED AROCLORS®							
PROPERTY	**1016**	**1221**	**1232**	**1242**	**1248**	**1254**	**1260**
Color (APHA)	40	100	100	100	100	100	150
Physical state	mobile oil	mobile oil	mobile oil	mobile oil	mobile oil	viscous liquid	sticky resin
Stability	inert	inert	inert	inert	inert	inert	inert
Density (lb/gal 25°C)	11.40	9.85	10.55	11.50	12.04	12.82	13.50
Specific gravity x/15.5°C	1.36-1.37 x-25°	1.18-1.19 x-25°	1.27-1.28 x-25°	1.30-1.39 x-25°	1.40-1.41 x-65°	1.49-1.50 x-65°	1.55-1.56 x-90°
Distillation range (°C)	323-356	275-320	290-325	325-366	340-375	365-390	385-420
Acidity mg KOH/g, maximum	.010	.014	.014	.015	.010	.010	.014
Fire point (°C)	none to boiling point	176	238	none to boiling point	none to boiling point	none to boiling point	none to boiling point
Flash point (°C)	170	141-150	152-154	176-180	193-196	none	none
Vapor pressure (mm Hg @ 100°F)	NA	NA	0.005	0.001	0.00037	0.00006	NA
Viscosity (Saybolt Univ. Sec. @ 100°F) (centistokes)	71-81 13-16	38-41 3.6-4.6	44-51 5.5-7.7	82-92 16-19	185-240 42-52	1800-2500 390-540	— —

NA—*Not Available*

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

10. STABILITY AND REACTIVITY

Stability: PCBs are very stable, fire-resistant compounds.
Materials to Avoid: None
Hazardous Decomposition
Products: PCBs may decompose to form CO, CO_2, HCl, phenolics, aldehydes, and other toxic combustion products under severe conditions such as exposure to flame or hot surface.
Hazardous Polymerization: Does not occur.

11. TOXICOLOGICAL INFORMATION

Data from laboratory studies conducted by Monsanto and from the available scientific literature are summarized below.
Single exposure (acute) studies indicate:
Oral - Slightly Toxic (Rat LD50 - 8.65 g/kg for 42% chlorinated; 11.9 g/kg for 54% chlorinated)

The liquid products and their vapors are moderately irritating to eye tissues. Animal experiments of varying duration and at different air concentrations show that for similar exposure conditions, the 54% chlorinated material produces more liver injury than the 42% chlorinated material.

There are literature reports that PCBs can impair reproductive functions in monkeys. The National Cancer Institute (NCI) performed a study in 1977 using Aroclor 1254 with both sexes of rats. NCI stated that the PCB, Aroclor 1254, was not carcinogenic under the conditions of their bioassay. There is sufficient evidence in the scientific literature to conclude that Aroclor 1260 can cause liver cancer when fed to rodents at high doses. Similar experiments with less chlorinated PCB products have produced negative or equivocal results.

The consistent finding in animal studies is that PCBs produce liver injury following prolonged and repeated exposure by any route, if the exposure is of sufficient degree and duration. Liver injury is produced first, and by exposures that are less than those reported to cause cancer in rodents. Therefore, exposure by all routes should be kept sufficiently low to prevent liver injury.

Numerous epidemiological studies of humans, both occupationally exposed and nonworker environmentally exposed population, have not demonstrated any causal relationship between PCB exposure and chronic human illnesses such as cancer or neurological or cardiovascular effects. PCBs at high dosage can cause skin symptoms; however, these subside upon removal of the exposure source.

PCBs have been listed in the International Agency for Research on Cancer (IARC) Monographs (1987)-Group 2A and in the National Toxicology Program (NTP) Seventh Annual Report on Carcinogens.

12. ECOLOGICAL INFORMATION

Care should be taken to prevent entry of PCBs into the environment through spills, leakage, use, vaporization or disposal of liquid or solids. PCBs can accumulate in the environment and can adversely affect some animals and aquatic life. In general, PCBs have low solubility in water, are strongly bound to soils and sediments, and are slowly degraded by natural processes in the environment.

13. DISPOSAL CONSIDERATIONS

The disposal of PCB items or equipment (those containing 50 ppm or greater PCBs) and PCB wastes is strictly regulated by 40 CFR Part 761. For example, all wastes and residues containing PCBs (wiping cloths, absorbent material, used disposable protective gloves and clothing, etc.) should be collected, placed in proper containers, marked and disposed of in the manner prescribed by EPA regulations (40 CFR Part 761) and applicable state and local regulations.

14. TRANSPORT INFORMATION

The data provided in this section are for information only. Please apply the appropriate regulations to properly classify a shipment for transportation.

DOT Classification:	IF WEIGHT OF PCBs TO BE SHIPPED IS OVER ONE POUND, THE FOLLOWING CLASSIFICATION AND LABEL APPLY.	
DOT Label:	LIQUID:	Environmentally Hazardous Substance, liquid, n.o.s. (Contains PCB), 9, UN 3082, III
	SOLID:	Environmentally Hazardous Substance, solid, n.o.s. (Contains PCB), 9, UN 3077, III
DOT Label:	Class: 9	
DOT Reportable Quantity:	One Pound	
IMO Classification:	Polychlorinated Biphenyls, IMO Class 9, UN 2315, II IMO Page 9034, EMS 6.1-02	
IATA/ICAO Classification:	Polychlorinated Biphenyls, 9, UN2315, II	

15. REGULATORY INFORMATION

For regulatory purposes, under the Toxic Substances Control Act, the term "PCBs" refers to a chemical substance limited to the biphenyl molecule that has been chlorinated to varying degrees or any combination of substances which contain such a substance (40 CFR Part 761).

TSCA Inventory: not listed.

Hazard Categories Under Criteria of SARA Title III Rules (40 CFR Part 370): Immediate, Delayed.
SARA Section 313 Toxic Chemical(s): Listed-1993 (De Minimis concentration 0.1%.)

Reportable Quantity (RQ) under DOT (49 CFR) and CERCLA Regulations: 1 lb. (polychlorinated biphenyls) PCBs.

Release of more than 1 (one) pound of PCBs to the environment requires notification to the National Response Center (800-424-8802 or 202-426-2675).

Various state and local regulations may require immediate reporting of PCB spills and may also define spill cleanup levels. Consult your attorney or appropriate regulatory officials for information relating to spill reporting and spill cleanup.

16. OTHER INFORMATION

Reason for revision: Conversion to the 16 section format. Supersedes MSDS dated 10/88.

Therminol®, Aroclor® and Pydraul® are registered trademarks of Monsanto Company
Pyranol® is a registered trademark of General Electric Company
Inerteen® is a registered trademark of Westinghouse Electric Corporation

FOR ADDITIONAL NONEMERGENCY INFORMATION, CONTACT:

Gary W. Mappes
Manager, Product & Environmental Safety

Robert G. Kaley, II
Director, Environmental Affairs

Monsanto Company
800 North Lindbergh Boulevard
St. Louis, MO 63167
(314) 694-3344

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Material Safety Data Sheet
sec-Butylbenzene, 99+%

MSDS# 73785

Section 1 - Chemical Product and Company Identification

MSDS Name:	sec-Butylbenzene, 99+%
Catalog Numbers:	AC107860000, AC107860050, AC107860500, AC107861000, AC107862500, AC107865000 AC107865000
Synonyms:	2-Phenylbutane; Benzene, (1-methylpropyl)-; (1-Methylpropyl)benzene; Benzene, sec-butyl-
Company Identification:	Acros Organics BVBA Janssen Pharmaceuticalaan 3a 2440 Geel, Belgium
Company Identification: (USA)	Acros Organics One Reagent Lane Fair Lawn, NJ 07410
For information in the US, call:	800-ACROS-01
For information in Europe, call:	+32 14 57 52 11
Emergency Number, Europe:	+32 14 57 52 99
Emergency Number US:	201-796-7100
CHEMTREC Phone Number, US:	800-424-9300
CHEMTREC Phone Number, Europe:	703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#:	135-98-8
Chemical Name:	sec-Butylbenzene
%:	99+
EINECS#:	205-227-0

Hazard Symbols: XI

Risk Phrases: 10 36/37/38

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Warning! Flammable liquid and vapor. May cause central nervous system depression. Causes eye, skin, and respiratory tract irritation. Target Organs: Central nervous system.

Potential Health Effects

Eye:	Causes eye irritation.
Skin:	Causes skin irritation.
Ingestion:	May cause gastrointestinal irritation with nausea, vomiting and diarrhea. Ingestion of large amounts may cause CNS depression.
Inhalation:	Causes respiratory tract irritation.
Chronic:	Prolonged or repeated skin contact may cause dermatitis.

Section 4 - First Aid Measures

Eyes:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
Skin:	Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.
Ingestion:	Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.
Inhalation:	Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Notes to Physician:	Treat symptomatically and supportively.

Section 5 - Fire Fighting Measures

General Information:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Vapors may form an explosive mixture with air. Vapors can travel to a source of ignition and flash back. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Will burn if involved in a fire. Use water spray to keep fire-exposed containers cool. Containers may explode in the heat of a fire. Flammable liquid and vapor.
Extinguishing Media:	For small fires, use dry chemical, carbon dioxide, water spray or alcohol-resistant foam. For large fires, use water spray, fog, or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Water may be ineffective. Use agent most appropriate to extinguish fire. Do NOT use straight streams of water.
Autoignition Temperature:	415 deg C (779.00 deg F)
Flash Point:	45 deg C (113.00 deg F)
Explosion Limits: Lower:	0.80 vol %
Explosion Limits: Upper:	6.90 vol %
NFPA Rating:	health: 2; flammability: 2; instability: 0;

Section 6 - Accidental Release Measures

General Information:	Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks:	Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Clean up spills immediately, observing precautions in the Protective Equipment section. Remove all sources of ignition. Use a spark-proof tool. Provide ventilation. A vapor suppressing foam may be used to reduce vapors.

Section 7 - Handling and Storage

Handling:	Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use only in a well-ventilated area. Ground and bond containers when transferring material. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep container tightly closed. Keep away from heat, sparks and flame. Avoid ingestion and inhalation. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.
Storage:	Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
sec-Butylbenzene	none listed	none listed	none listed

OSHA Vacated PELs: sec-Butylbenzene: None listed

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.

Exposure Limits

Personal Protective Equipment

Eyes:	Wear chemical splash goggles.
Skin:	Wear appropriate protective gloves to prevent skin exposure.
Clothing:	Wear appropriate protective clothing to prevent skin exposure.
Respirators:	A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements or European Standard EN 149 must be followed whenever workplace conditions warrant respirator use.

Section 9 - Physical and Chemical Properties

Physical State:	Liquid
Color:	clear colorless
Odor:	None reported.
pH:	Not available
Vapor Pressure:	4 mm Hg @ 37.7 deg C
Vapor Density:	4.62
Evaporation Rate:	Not available
Viscosity:	Not available
Boiling Point:	173 - 174 deg C @ 760 mm Hg
Freezing/Melting Point:	-75 deg C (-103.00°F)
Decomposition Temperature:	Not available
Solubility in water:	0.015 g/L water
Specific Gravity/Density:	0.8630 g/cm3
Molecular Formula:	C10H14
Molecular Weight:	134.22

Section 10 - Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Ignition sources, excess heat.
Incompatibilities with Other Materials	Strong oxidizing agents.
Hazardous Decomposition Products	Carbon monoxide, carbon monoxide, carbon dioxide.
Hazardous Polymerization	Has not been reported.

Section 11 - Toxicological Information

RTECS#:	CAS# 135-98-8: CY9100000
LD50/LC50:	RTECS: **CAS# 135-98-8:** Draize test, rabbit, eye: 500 mg/24H Mild; Draize test, rabbit, skin: 100 mg/24H Moderate; Oral, mouse: LD50 = 8700 mg/kg; Oral, rat: LD50 = 2240 uL/kg; Oral, rat: LD50 = 6300 mg/kg; Skin, rabbit: LD50 = >16 mL/kg; .
Carcinogenicity:	sec-Butylbenzene - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.
Other:	See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Not available

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT
Shipping Name: BUTYL BENZENES
Hazard Class: 3
UN Number: UN2709
Packing Group: III
Canada TDG

Shipping Name: Not available
Hazard Class:
UN Number:
Packing Group:

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: XI

Risk Phrases:

R 10 Flammable.

R 36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 9 Keep container in a well-ventilated place.

S 16 Keep away from sources of ignition - No smoking.

S 33 Take precautionary measures against static discharges.

WGK (Water Danger/Protection)

CAS# 135-98-8: 1

Canada

CAS# 135-98-8 is listed on Canada's DSL List

Canadian WHMIS Classifications: B3, D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 135-98-8 is not listed on Canada's Ingredient Disclosure List.

US Federal

TSCA

CAS# 135-98-8 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 9/02/1997

Revision #9 Date 7/20/2009

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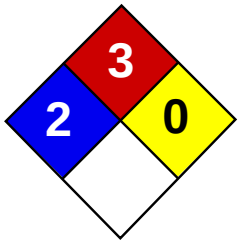

Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Toluene MSDS

Section 1: Chemical Product and Company Identification

Product Name: Toluene

Catalog Codes: SLT2857, SLT3277

CAS#: 108-88-3

RTECS: XS5250000

TSCA: TSCA 8(b) inventory: Toluene

CI#: Not available.

Synonym: Toluol, Tolu-Sol; Methylbenzene; Methacide; Phenylmethane; Methylbenzol

Chemical Name: Toluene

Chemical Formula: C6-H5-CH3 or C7-H8

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Toluene	108-88-3	100

Toxicological Data on Ingredients: Toluene: ORAL (LD50): Acute: 636 mg/kg [Rat]. DERMAL (LD50): Acute: 14100 mg/kg [Rabbit]. VAPOR (LC50): Acute: 49000 mg/m 4 hours [Rat]. 440 ppm 24 hours [Mouse].

Section 3: Hazards Identification

Potential Acute Health Effects:
Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, the nervous system, liver, brain, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 480°C (896°F)

Flash Points: CLOSED CUP: 4.4444°C (40°F). (Setaflash) OPEN CUP: 16°C (60.8°F).

Flammable Limits: LOWER: 1.1% UPPER: 7.1%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable liquid, insoluble in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog.

Special Remarks on Fire Hazards: Not available.

Special Remarks on Explosion Hazards:
Toluene forms explosive reaction with 1,3-dichloro-5,5-dimethyl-2,4-imidazolididione; dinitrogen tetraoxide; concentrated nitric acid, sulfuric acid + nitric acid; N2O4; AgClO4; BrF3; Uranium hexafluoride; sulfur dichloride. Also forms an explosive mixture with tetranitromethane.

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Toxic flammable liquid, insoluble or very slightly soluble in water. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 200 STEL: 500 CEIL: 300 (ppm) from OSHA (PEL) [United States] TWA: 50 (ppm) from ACGIH (TLV) [United States] SKIN TWA: 100 STEL: 150 from NIOSH [United States] TWA: 375 STEL: 560 (mg/m3) from NIOSH [United States] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Sweet, pungent, Benzene-like.

Taste: Not available.

Molecular Weight: 92.14 g/mole

Color: Colorless.

pH (1% soln/water): Not applicable.

Boiling Point: 110.6°C (231.1°F)

Melting Point: -95°C (-139°F)

Critical Temperature: 318.6°C (605.5°F)

Specific Gravity: 0.8636 (Water = 1)

Vapor Pressure: 3.8 kPa (@ 25°C)

Vapor Density: 3.1 (Air = 1)

Volatility: Not available.

Odor Threshold: 1.6 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 2.7

Ionicity (in Water): Not available.

Dispersion Properties: See solubility in water, diethyl ether, acetone.

Solubility:
Soluble in diethyl ether, acetone. Practically insoluble in cold water. Soluble in ethanol, benzene, chloroform, glacial acetic acid, carbon disulfide. Solubility in water: 0.561 g/l @ 25 deg. C.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources (flames, sparks, static), incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Incompatible with strong oxidizers, silver perchlorate, sodium difluoride, Tetranitromethane, Uranium Hexafluoride. Frozen Bromine Trifluoride reacts violently with Toluene at -80 deg. C. Reacts chemically with nitrogen oxides, or halogens to form nitrotoluene, nitrobenzene, and nitrophenol and halogenated products, respectively.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 636 mg/kg [Rat]. Acute dermal toxicity (LD50): 14100 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 440 24 hours [Mouse].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC. May cause damage to the following organs: blood, kidneys, the nervous system, liver, brain, central nervous system (CNS).

Other Toxic Effects on Humans:
Hazardous in case of skin contact (irritant), of ingestion, of inhalation. Slightly hazardous in case of skin contact (permeator).

Special Remarks on Toxicity to Animals:
Lowest Published Lethal Dose: LDL [Human] - Route: Oral; Dose: 50 mg/kg LCL [Rabbit] - Route: Inhalation; Dose: 55000 ppm/40min

Special Remarks on Chronic Effects on Humans:
Detected in maternal milk in human. Passes through the placental barrier in human. Embryotoxic and/or foetotoxic in animal. May cause adverse reproductive effects and birth defects (teratogenic). May affect genetic material (mutagenic)

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: Causes mild to moderate skin irritation. It can be absorbed to some extent through the skin. Eyes: Cauess mild to moderate eye irritation with a burning sensation. Splash contact with eyes also causes conjunctivitis, blepharospasm, corneal edema, corneal abraisons. This usually resolves in 2 days. Inhalation: Inhalation of vapor may cause respiratory tract irritation causing coughing and wheezing, and nasal discharge. Inhalation of high concentrations may affect behavior and cause central nervous system effects characterized by nausea, headache, dizziness, tremors, restlessness, lightheadedness, exhilaration, memory loss, insomnia, impaired reaction time, drowsiness, ataxia, hallucinations, somnolence, muscle contraction or spasticity, unconsciousness and coma. Inhalation of high concentration of vapor may also affect the cardiovascular system (rapid heart beat, heart palpitations, increased or decreased blood pressure, dysrhythmia,), respiration (acute pulmonary edema, respiratory depression, apnea, asphyxia), cause vision disturbances and dilated pupils, and cause loss of appetite. Ingestion: Aspiration hazard. Aspiration of Toluene into the lungs may cause chemical pneumonitis. May cause irritation of the digestive tract with nausea, vomiting, pain. May have effects similar to that of acute inhalation. Chronic Potential Health Effects: Inhalation and Ingestion: Prolonged or repeated exposure via inhalation may cause central nervous system and cardiovascular symptoms similar to that of acute inhalation and ingestion as well liver damage/failure, kidney damage/failure (with hematuria, proteinuria, oliguria, renal tubular acidosis), brain damage, weight loss, blood (pigmented or nucleated red blood cells, changes in white blood cell count), bone marrow changes, electrolyte imbalances (Hypokalemia, Hypophostatemia), severe, muscle weakness and Rhabdomyolysis. Skin: Repeated or prolonged skin contact may cause defatting dermatitis.

Section 12: Ecological Information

Ecotoxicity:
Ecotoxicity in water (LC50): 313 mg/l 48 hours [Daphnia (daphnia)]. 17 mg/l 24 hours [Fish (Blue Gill)]. 13 mg/l 96 hours [Fish (Blue Gill)]. 56 mg/l 24 hours [Fish (Fathead minnow)]. 34 mg/l 96 hours [Fish (Fathead minnow)]. 56.8 ppm any hours [Fish (Goldfish)].

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Toluene UNNA: 1294 PG: II

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Toluene California prop. 65 (no significant risk level): Toluene: 7 mg/day (value) California prop. 65 (acceptable daily intake level): Toluene: 7 mg/day (value) California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: Toluene Connecticut hazardous material survey.: Toluene Illinois

toxic substances disclosure to employee act: Toluene Illinois chemical safety act: Toluene New York release reporting list: Toluene Rhode Island RTK hazardous substances: Toluene Pennsylvania RTK: Toluene Florida: Toluene Minnesota: Toluene Michigan critical material: Toluene Massachusetts RTK: Toluene Massachusetts spill list: Toluene New Jersey: Toluene New Jersey spill list: Toluene Louisiana spill reporting: Toluene California Director's List of Hazardous Substances.: Toluene TSCA 8(b) inventory: Toluene TSCA 8(d) H and S data reporting: Toluene: Effective date: 10/04/82; Sunset Date: 10/0/92 SARA 313 toxic chemical notification and release reporting: Toluene CERCLA: Hazardous substances.: Toluene: 1000 lbs. (453.6 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R11- Highly flammable. R20- Harmful by inhalation. S16- Keep away from sources of ignition - No smoking. S25- Avoid contact with eyes. S29- Do not empty into drains. S33- Take precautionary measures against static discharges.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

Created: 10/10/2005 08:30 PM

Last Updated: 06/09/2012 12:00 PM

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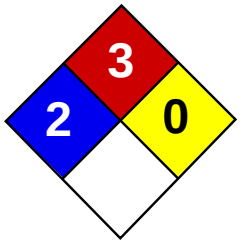

Health	2
Fire	3
Reactivity	0
Personal Protection	H

Material Safety Data Sheet
Xylenes MSDS

Section 1: Chemical Product and Company Identification

Product Name: Xylenes

Catalog Codes: SLX1075, SLX1129, SLX1042, SLX1096

CAS#: 1330-20-7

RTECS: ZE2100000

TSCA: TSCA 8(b) inventory: Xylenes

CI#: Not available.

Synonym: Xylenes; Dimethylbenzene; xylol; methyltoluene

Chemical Name: Xylenes (o-, m-, p- isomers)

Chemical Formula: C6H4(CH3)2

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Xylenes	1330-20-7	100

Toxicological Data on Ingredients: Xylenes: ORAL (LD50): Acute: 4300 mg/kg [Rat]. 2119 mg/kg [Mouse]. DERMAL (LD50): Acute: >1700 mg/kg [Rabbit].

Section 3: Hazards Identification

Potential Acute Health Effects: Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance may be toxic to blood, kidneys, liver, mucous membranes, bone marrow, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.

Section 4: First Aid Measures

Eye Contact:

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact:
In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Serious Skin Contact:
Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Serious Inhalation:
Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 464°C (867.2°F)

Flash Points: CLOSED CUP: 24°C (75.2°F). (Tagliabue.) OPEN CUP: 37.8°C (100°F).

Flammable Limits: LOWER: 1% UPPER: 7%

Products of Combustion: These products are carbon oxides (CO, CO2).

Fire Hazards in Presence of Various Substances:
Highly flammable in presence of open flames and sparks, of heat. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Slightly explosive in presence of open flames and sparks, of heat.

Fire Fighting Media and Instructions:
Flammable liquid, soluble or dispersed in water. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use alcohol foam, water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards: Vapors may travel to source of ignition and flash back.

Special Remarks on Explosion Hazards:
Vapors may form explosive mixtures with air. Containers may explode when heated. May polymerize explosively when heated. An attempt to chlorinate xylene with 1,3-Dichloro-5,5-dimethyl-2,4-imidazolidindione (dichlorohydrantoin) caused a violent explosion

Section 6: Accidental Release Measures

Small Spill: Absorb with an inert material and put the spilled material in an appropriate waste disposal.

Large Spill:
Flammable liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not touch spilled material. Prevent entry into sewers, basements or confined

areas; dike if needed. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents, acids.

Storage:
Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Personal Protection:
Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Vapor respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits:
TWA: 100 (ppm) [Canada] TWA: 435 (mg/m3) [Canada] TWA: 434 STEL: 651 (mg/m3) from ACGIH (TLV) [United States] TWA: 100 STEL: 150 (ppm) from ACGIH (TLV) [United States] Consult local authorities for acceptable exposure limits.

Section 9: Physical and Chemical Properties

Physical state and appearance: Liquid.

Odor: Sweetish.

Taste: Not available.

Molecular Weight: 106.17 g/mole

Color: Colorless. Clear

pH (1% soln/water): Not available.

Boiling Point: 138.5°C (281.3°F)

Melting Point: -47.4°C (-53.3°F)

Critical Temperature: Not available.

Specific Gravity: 0.864 (Water = 1)

Vapor Pressure: 0.9 kPa (@ 20°C)

Vapor Density: 3.7 (Air = 1)

Volatility: Not available.

Odor Threshold: 1 ppm

Water/Oil Dist. Coeff.: The product is more soluble in oil; log(oil/water) = 3.1

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility:
Insoluble in cold water, hot water. Miscible with absolute alcohol, ether, and many other organic liquids.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources, incompatibles

Incompatibility with various substances: Reactive with oxidizing agents, acids.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity: Store away from acetic acid, nitric acid, chlorine, bromine, and fluorine.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Toxicity to Animals:
WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute oral toxicity (LD50): 2119 mg/kg [Mouse]. Acute dermal toxicity (LD50): >1700 mg/kg [Rabbit]. Acute toxicity of the vapor (LC50): 5000 4 hours [Rat].

Chronic Effects on Humans:
CARCINOGENIC EFFECTS: 3 (Not classifiable for human.) by IARC. May cause damage to the following organs: blood, kidneys, liver, mucous membranes, bone marrow, central nervous system (CNS).

Other Toxic Effects on Humans: Hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals:
Lowest Lethal Dose: LDL [Human] - Route: Oral; Dose: 50 mg/kg LCL [Man] - Route: Oral; Dose: 10000 ppm/6H

Special Remarks on Chronic Effects on Humans:
Detected in maternal milk in human. Passes through the placental barrier in animal. Embryotoxic and/or foetotoxic in animal. May cause adverse reproductive effects (male and femael fertility (spontaneous abortion and fetotoxicity)) and birth defects based animal data.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: Causes skin irritation. Can be absorbed through skin. Eyes: Causes eye irritation. Inhalation: Vapor causes respiratory tract and mucous membrane irritation. May affect central nervous system and behavior (General anesthetic/CNS depressant with effects including headache, weakness, memory loss, irritability, dizziness, giddiness, loss of coordination and judgement, respiratory depression/arrest or difficulty breathing, loss of appetite, nausea, vomiting, shivering, and possible coma and death). May also affects blood, sense organs, liver, and peripheral nerves. Ingestion: May cause gastrointestinal irritation including abdominal pain, vomiting, and nausea. May also affect liver and urinary system/ kidneys. May cause effects similar to those of acute inhalation. Chronic Potential Health Effects: Chronic inhalation may affect the urinary system (kidneys) blood (anemia), bone marrow (hyperplasia of bone marrow) brain/behavior/Central Nervous system. Chronic inhalation may alsocause mucosal bleeding. Chronic ingestion may affect the liver and metabolism (loss of appetite) and may affect urinary system (kidney damage)

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: CLASS 3: Flammable liquid.

Identification: : Xylenes UNNA: 1307 PG: III

Special Provisions for Transport: Not available.

Section 15: Other Regulatory Information

Federal and State Regulations:
Connecticut hazardous material survey.: Xylenes Illinois chemical safety act: Xylenes New York acutely hazardous substances: Xylenes Rhode Island RTK hazardous substances: Xylenes Pennsylvania RTK: Xylenes Minnesota: Xylenes Michigan critical material: Xylenes Massachusetts RTK: Xylenes Massachusetts spill list: Xylenes New Jersey: Xylenes New Jersey spill list: Xylenes Louisiana spill reporting: Xylenes California Director's List of Hazardous Substances: Xylenes TSCA 8(b) inventory: Xylenes SARA 302/304/311/312 hazardous chemicals: Xylenes SARA 313 toxic chemical notification and release reporting: Xylenes CERCLA: Hazardous substances.: Xylenes: 100 lbs. (45.36 kg)

Other Regulations:
OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada):
CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

DSCL (EEC):
R10- Flammable. R21- Harmful in contact with skin. R36/38- Irritating to eyes and skin. S2- Keep out of the reach of children. S36/37- Wear suitable protective clothing and gloves. S46- If swallowed, seek medical advice immediately and show this container or label.

HMIS (U.S.A.):

Health Hazard: 2

Fire Hazard: 3

Reactivity: 0

Personal Protection: h

National Fire Protection Association (U.S.A.):

Health: 2

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Splash goggles.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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Last Updated: 06/09/2012 12:00 PM

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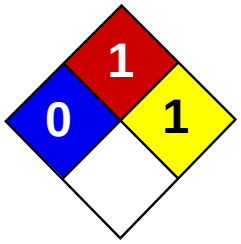

Health	1
Fire	1
Reactivity	1
Personal Protection	E

Material Safety Data Sheet
Zinc Metal MSDS

Section 1: Chemical Product and Company Identification

Product Name: Zinc Metal

Catalog Codes: SLZ1054, SLZ1159, SLZ1267, SLZ1099, SLZ1204

CAS#: 7440-66-6

RTECS: ZG8600000

TSCA: TSCA 8(b) inventory: Zinc Metal

CI#: Not applicable.

Synonym: Zinc Metal Sheets; Zinc Metal Shot; Zinc Metal Strips

Chemical Name: Zinc Metal

Chemical Formula: Zn

Contact Information:

Sciencelab.com, Inc.
14025 Smith Rd.
Houston, Texas 77396

US Sales: **1-800-901-7247**
International Sales: **1-281-441-4400**

Order Online: ScienceLab.com

CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300

International CHEMTREC, call: 1-703-527-3887

For non-emergency assistance, call: 1-281-441-4400

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Zinc Metal	7440-66-6	100

Toxicological Data on Ingredients: Zinc Metal LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects: Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4: First Aid Measures

Eye Contact:
Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available.

Inhalation:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Serious Inhalation: Not available.

Ingestion:
Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.

Serious Ingestion: Not available.

Section 5: Fire and Explosion Data

Flammability of the Product: Flammable.

Auto-Ignition Temperature: 480°C (896°F)

Flash Points: Not available.

Flammable Limits: Not available.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances:
Slightly flammable to flammable in presence of open flames and sparks, of heat, of oxidizing materials, of acids, of alkalis, of moisture. Non-flammable in presence of shocks.

Explosion Hazards in Presence of Various Substances:
Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.

Fire Fighting Media and Instructions:
Flammable solid. SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

Special Remarks on Fire Hazards:
Zinc + NaOH causes ignition. Oxidation of zinc by potassium proceeds with incandescence. Residues from zinc dust /acetic acid reduction operations may ignite after long delay if discarded into waste bins with paper. Incandescent reaction when Zinc and Arsenic or Tellurium, or Selenium are combined. When hydrazine mononitrate is heated in contact with zinc, a flamming decomposition occurs at temperatures a little above its melting point. Contact with acids and alkali hydroxides (sodium hydroxide, postasium hydroxide, calcium hydroxide, etc.) results in evolution of hydrogen with sufficient heat of reaction to ignite the hydrogen gas. Zinc foil ignites if traces of moisture are present. It is water reactive and produces flammable gases on contact with water. It may ignite on contact with water or moist air.

Special Remarks on Explosion Hazards: Not available.

Section 6: Accidental Release Measures

Small Spill:
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill:
Flammable solid that, in contact with water, emits flammable gases. Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Cover with dry earth, sand or other non-combustible material. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all ignition sources. Call for assistance on disposal. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7: Handling and Storage

Precautions:
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not breathe dust. Keep away from incompatibles such as oxidizing agents, acids, alkalis, moisture.

Storage:
Keep container tightly closed. Keep container in a cool, well-ventilated area. Keep from any possible contact with water. Do not allow water to get into container because of violent reaction.

Section 8: Exposure Controls/Personal Protection

Engineering Controls:
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill:
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits: Not available.

Section 9: Physical and Chemical Properties

Physical state and appearance: Solid. (Lustrous solid. Metal solid.)

Odor: Not available.

Taste: Not available.

Molecular Weight: 65.39 g/mole

Color: Bluish-grey

pH (1% soln/water): Not applicable.

Boiling Point: 907°C (1664.6°F)

Melting Point: 419°C (786.2°F)

Critical Temperature: Not available.

Specific Gravity: Not available.

Vapor Pressure: Not applicable.

Vapor Density: Not available.

Volatility: Not available.

Odor Threshold: Not available.

Water/Oil Dist. Coeff.: Not available.

Ionicity (in Water): Not available.

Dispersion Properties: Not available.

Solubility: Insoluble in cold water, hot water, methanol, diethyl ether, n-octanol, acetone.

Section 10: Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Excess heat, incompatible materials, moisture

Incompatibility with various substances:
Reactive with oxidizing agents, acids, alkalis. Slightly reactive to reactive with moisture. The product may react violently with water to emit flammable but non toxic gases.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Reactivity:
Incompatible with acids, halogenated hydrocarbons, NH_4NO_3, barium oxide, $Ba(NO_3)_2$, Cadmium, CS_2, chlorates, Cl_2, CrO_3, F_2, Hydroxylamine, $Pb(N_3)_2$, $MnCl_2$, HNO_3, performic acid, $KClO_3$, KNO_3, N_2O_2, Selenium, $NaClO_3$, Na_2O_2, Sulfur, Te, water, $(NH_4)_2S$, As_2O_3, CS_2, $CaCl_2$, chlorinated rubber, catalytic metals, halocarbons, o-nitroanisole, nitrobenzene, nonmetals, oxidants, paint primer base, pentacarbonoyliron, transition metal halides, seleninyl bromide, HCl, H_2SO_4, (Mg +$Ba(NO_3)_2$ +BaO_2), (ethyl acetoacetate +tribromoneopentyl alcohol. Contact with Alkali Hydroxides(Sodium Hydroxide, Potassium Hydroxide, Calcium Hydroxide, etc) results in evolution of hydrogen. Ammonium nitrate + zinc + water causes a violent reaction with evolution of steam and zinc oxide. May react with water.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11: Toxicological Information

Routes of Entry: Inhalation. Ingestion.

Toxicity to Animals:
LD50: Not available. LC50: Not available.

Chronic Effects on Humans: Not available.

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:
Acute Potential Health Effects: Skin: May cause skin irritation. Dermal exposure to zinc may produce leg pains, fatigue, anorexia and weight loss. Eyes: May cause eye irritation. Ingestion: May be harmul if swallowed. May cause digestive tract irritation with tightness in throat, nausea, vomiting, diarrhea, loss of appetite, malaise, abdominal pain. fever, and chills. May affect behavior/central nervous system and autonomic nervous system with ataxia, lethargy, staggering gait, mild derrangement in cerebellar function, lightheadness, dizzness, irritability, muscular stiffness, and pain. May also affect blood. Inhalation: Inhalation of zinc dust or fumes may cause respiratory tract and mucous membrane irritation with cough and chest pain. It can also cause "metal fume fever", a flu-like condition characterized appearance of chills, headached fever, maliase, fatigue, sweating, extreme thirst, aches in the legs and chest, and difficulty in breathing. A sweet taste may also be be present in metal fume fever, as well as a dry throat, aches, nausea, and vomiting, and pale grey cyanosis. The toxicological properties of this substance have not been fully investisgated.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:
Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: Not available.

Special Remarks on the Products of Biodegradation: Not available.

Section 13: Disposal Considerations

Waste Disposal:
Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material (United States).

Identification: Not applicable.

Special Provisions for Transport: Not applicable.

Section 15: Other Regulatory Information

Federal and State Regulations:
New York release reporting list: Zinc Metal Rhode Island RTK hazardous substances: Zinc Metal Pennsylvania RTK: Zinc Metal Florida: Zinc Metal Michigan critical material: Zinc Metal Massachusetts RTK: Zinc Metal New Jersey: Zinc Metal California Director's List of Hazardous Substances: Zinc Metal TSCA 8(b) inventory: Zinc Metal TSCA 12(b) one time export: Zinc Metal SARA 313 toxic chemical notification and release reporting: Zinc Metal CERCLA: Hazardous substances.: Zinc Metal: 1000 lbs. (453.6 kg)

Other Regulations: EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications:

WHMIS (Canada): Not Available

DSCL (EEC):
R15- Contact with water liberates extremely flammable gases. R17- Spontaneously flammable in air. S7/8- Keep container tightly closed and dry.

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 1

Reactivity: 1

Personal Protection: E

National Fire Protection Association (U.S.A.):

Health: 0

Flammability: 1

Reactivity: 1

Specific hazard:

Protective Equipment:
Gloves. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Safety glasses.

Section 16: Other Information

References: Not available.

Other Special Considerations: Not available.

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Last Updated: 06/09/2012 12:00 PM

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APPENDIX F

JOBSITE SAFETY INSPECTION CHECKLIST

Jobsite Safety Inspection Checklist

Date: _____ **Inspected By:** _____

Location: _____ **Project #:** _____

Check one of the following: **A:** Acceptable **NA**: Not Applicable **D**: Deficient				
	A	**NA**	**D**	**Remarks**
1. HASP available on site or inspection?				
2. Health & Safety Compliance agreement appropriately signed by Langan employees and subcontractors?				
3. Hospital route map with directions posted on site?				
4. Emergency Notification List posted on site?				
5. First Aid kit available and properly stocked?				
6. Personnel trained in CPR/First Aid on site?				
7. MSDS readily available, and all workers knowledgeable about the specific chemicals and compounds to which they may be exposed?				
8. Appropriate PPE being worn by Langan employees and subcontractors?				
9. Project site safe practices ("Standing Orders") posted?				
10. Project staff have 40-hour/8-hour/Supervisor HAZWOPER training?				
11. Project staff medically cleared to work in hazardous waste sites and fit-tested to wear respirators, if needed?				
12. Respiratory protection readily available?				
13. Health & Safety Incident Report forms available?				
14. Air monitoring instruments calibrated daily and results recorded on the Daily Instrument Calibration check sheet?				
15. Air monitoring readings recorded on the air monitoring data sheet/field log book?				
16. Subcontract workers have received 40-hour/8-hour/Supervisory HAZWOPER training, as appropriate?				
17. Subcontract workers medically cleared to work on site, and fit-tested for respirator wear?				
18. Subcontract workers have respirators readily available?				
19. Mark outs of underground utilities done prior to initiating any subsurface activities?				
20. Decontamination procedures being followed as outlined in HASP?				
21. Are tools in good condition and properly used?				
22. Drilling performed in areas free from underground objects including utilities?				
23. Adequate size/type fire extinguisher supplied?				

24. Equipment at least 20 feet from overhead power lines?				
25. Evidence that drilling operator is responsible for the safety of his rig.				
26. Trench sides shored, sloped back, or boxed?				
27. Underground utilities located and authorities contacted before digging?				
28. Ladders in trench (25-foot spacing)?				
29. Excavated material placed more than 2 feet away from excavation edge?				
30. Public protected from exposure to open excavation?				
31. People entering the excavation regarding it as a permit-required confined space and following appropriate procedures?				
32. Confined space entry permit is completed and posted?				
33. All persons knowledgeable about the conditions and characteristics of the confined space?				
34. All persons engaged in confined space operations have been trained in safe entry and rescue (non-entry)?				
35. Full body harnesses, lifelines, and hoisting apparatus available for rescue needs?				
36. Attendant and/or supervisor certified in basic first aid and CPR?				
37. Confined space atmosphere checked before entry and continuously while the work is going on?				
38. Results of confined space atmosphere testing recorded?				
39. Evidence of coordination with off-site rescue services to perform entry rescue, if needed?				
40. Are extension cords rated for this work being used and are they properly maintained?				
41. Are Ground Fault Circuit Interrupters provided and being used?				

Unsafe Acts: _____

_____

_____

_____

Notes: _____

_____

_____

_____

APPENDIX G

JOB SAFETY ANALYSIS FORMS

- **Blank Form**
- **Direct-Push Soil Borings**
- **Environmental Sampling**
- **Field Sampling**
- **Monitoring Well Development**
- **Monitoring Well Installation**
- **Soil Screening for Off-Site Disposal**

LANGAN	Job Safety Analysis (JSA) Health and Safety
JSA TITLE: **JSA NUMBER:**	**DATE CREATED:** **CREATED BY:** **REVISION DATE:** **REVISED BY:**
Langan employees must review and revise the Job Safety Analysis (JSA) as needed to address the any site specific hazards not identified. Employees must provide their signatures on the last page of the JSA indicating they have review the JSA and are aware the potential hazards associated with this work and will follow the provided preventive or corrective measures.	

PERSONAL PROTECTIVE EQUIPMENT REQUIRED: (PPE): ■ Required ☒ As Needed		
☐ Steel-toed boots	☐ Nitrile gloves	☐ Dermal Protection (Specify)
☐ Long-sleeved shirt	☐ Leather/ Cut-resistant gloves	☐ High visibility vest/clothing
☐ Safety glasses	☐ Face Shield	☐ Hard hat
ADDITIONAL PERSONAL PROTECTIVE EQUIPMENT NEEDED (Provide specific type(s) or descriptions)		
☐ Air Monitoring:	☐ Respirators:	☐ Other:
☐ Dermal Protection:	☐ Cartridges:	☐ Other:

JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
1.	1. 2.	1a. 1b. 2a. 2b.
2.	1.	1.
3.	1.	1.
Additional items identified in the field.		
Additional Items.		

If additional items are identified during daily work activities, please notify all relevant personnel about the change and document on this JSA.

LANGAN	JSA NUMBER: DATE: 08/04/10 REVISION DATE: 7/28/11	OFFICE: PROJECT MANAGER: SAFETY OFFICER:
SITE: JOB TITLE OR TASK: Direct-Push Soil Borings	PERSON(S) PERFORMING JOB:	ANALYSIS BY: REVIEWED BY: Tony Moffa

REQUIRED PERSONAL PROTECTIVE EQUIPMENT (PPE) AND/OR PERTINENT JOB SAFETY FORMS:	
Minimum PPE:	Steel-toed boots, long-sleeved shirt, nitrile gloves, safety glasses, hard hat
Additional PPE (as needed):	Cut-resistant or work gloves, Tyvek sleeves, high visibility vest
Monitoring Equipment:	Photo-ionization detector (PID)
Job Safety Form:	Tailgate Meeting

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
1. Daily Tailgate Safety Meeting	1. None	1. All employees assigned to this task will attend a daily tailgate safety meeting, which will include the pertinent JSA's, Standard Operating Procedures (SOPs), types of potential hazards, and actual hazards present and controls for those hazards.
2. Move equipment to work site	1. Back strain when lifting heavy equipment 2. Slips/trips/falls while moving equipment 3. Traffic (if applicable) 4. Pinched fingers or running over toes during geoprobe set-up	1a. Use proper lifting technique (use legs for bending and lifting and not the back). Use wheeled transport for heavy equipment. Get assistance when handling loads greater than 50 lbs. 1b. Minimize distance to vehicle 2a. Use proper lifting technique (use legs for bending and lifting and not the back). Use wheeled transport for heavy equipment. Get assistance when handling loads greater than 50 lbs. 2b. Minimize distance to vehicle 2c. Have unobstructed path to vehicle or collection point 2d. Do not lift/walk with boxes that are heavy/difficult to lift 3. Wear high visibility vests and exercise caution. 4a. Wear proper PPE (cut-resistant gloves)

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
2. Move equipment to work site (continued)	5. Overturn drill rig while transporting to loading dock on flat-bed tow truck	4b. Stay alert, be aware of geoprobe rig at all times 5a. Drill rig should be parked in center of flat-bed tow truck 5b. Emergency brake shall be used at all times during transport on the flat-bed truck 5c. All unnecessary personnel should stay away from the flat-bed truck during moving activities
3. Set-up geoprobe rig at desired location	1. Slips/trips/falls while moving equipment	1a. All personnel should be constantly watching for trip hazards, such as uneven terrain, holes, ditches, stretched wires or ropes or other materials in their path 1b. Proper housekeeping of materials during sampling events 1c. Mark significant below-grade hazards (i.e. holes, trenches) with safety cones or spray paint
	2. Pinched fingers or running over toes during geoprobe set-up	2a. Wear proper PPE (cut-resistant gloves) 2b. Stay alert, be aware of geoprobe rig at all times
	3. Clothing entanglement	3. Wear proper attire for geoprobe rig (no loose clothing, strings, etc.)
	4. Electrocution/falling equipment and debris from raising geoprobe rig mast	4a. Wear proper PPE (hard hats) 4b. Be aware of locations at all times; look up, down and around before raising mast 4c. Check geoprobe drill rig mast prior to raising for loose objects/debris
	5. Carbon monoxide poisoning	5. Properly ventilate exhaust from geoprobe rig when working indoors or in areas of poor ventilation
	6. Geoprobe rig roll-over	6a. Do not move rig with mast raised 6b. Set stabilizers prior to raising mast, if applicable 6c. Inspect work area; if area appears unstable, area should be assessed by a qualified professional engineer or the MIP boring location should be moved
	7. Geoprobe rig movement	7a. All field personnel should stay clear of the geoprobe rig while moving 7b. Use a spotter when backing up the geoprobe rig

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
4. Advance geoprobe rods below ground surface to desired depth	1. Strain wrist/bruise palm while preparing geoprobe rods	1a. Wear proper PPE (cut-resistant gloves) 1b. Use proper technique for preparing geoprobe rods; use second person if necessary
	2. Pinched fingers while preparing geoprobe/MIP rods	2. Wear proper PPE (cut-resistant gloves)
	3. Injury due to encountering below grade utilities	3a. Markout all utilities prior to advancing the MIP boring using utility plans, geophysical contractor, or site personnel knowledge 3b. Clear all subsurface soil borings to a minimum of 5 feet below grade
4. Advance geoprobe/MIP rods below ground surface to desired depth (continued)	4. Back strain while preparing geoprobe rods	4. Use proper lifting technique (use legs for bending and lifting and not the back); obtain assistance if needed
	5. Clothing entanglement while advancing geoprobe rods	5. Wear proper attire for geoprobe rig (no loose clothing, strings, etc.)
	6. Carbon monoxide poisoning	6. Properly ventilate exhaust from geoprobe rig when working indoors or in areas of poor ventilation
	7. Bruised/broken toes/feet from dropping equipment and geoprobe rods	7. Wear proper PPE (steel-toe boots); Work in a safe manner to prevent dropped rod
	8. High noise levels	8. Wear proper PPE (hearing protection)
	9. Injury from faulty equipment	9. Geoprobe contractor shall inspect all equipment prior to use
5. Remove and open acetate liner	1. Pinched fingers while removing macrocore	1. Wear proper PPE (nitrile and cut-resistant gloves)
	2. Cuts/lacerations when cutting acetate liner open	2a. **OPEN BLADES ARE PROHIBITED FROM USE AT THE SITE**; use acetate liner cutting tool 2b. Wear proper PPE (cut-resistant gloves) 2c. Cut acetate liner away from body
	3. Exposure to hazardous vapors	3a. Do not place face over acetate liner when opening 3b. Monitor hazardous vapors in air with PID; upgrade PPE as necessary based on levels contained in the Health and Safety Plan
	4. Skin contact with contaminated soil	4. Wear proper PPE (nitrile gloves)
6. Remove soil from acetate liner and place in a 55-gallon drum	1. Cuts/lacerations from acetate liner	1. Wear proper PPE (cut-resistant gloves)
	2. Pinched fingers/hand while opening/closing 55-gallon drum	2a. Wear proper PPE (cut-resistant gloves) 2b. Keep fingers/hands away from pinch points
	3. Skin contact with contaminated soil	3. Wear proper PPE (nitrile gloves)
	4. Soil debris in eyes	4. Wear proper PPE (safety glasses)

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
7. Repeat steps 4 and 5 until desired depth is reached	1. See Steps 4 and 5	1. See Steps 4 and 5
8. Remove geoprobe rods and place in storage rack 8. Remove geoprobe rods and place in storage rack (continued)	1. Clothing entanglement while removing geoprobe rods 2. Back strain while removing geoprobe rods 3. Pinched fingers while removing geoprobe rods 4. Carbon monoxide poisoning 5. High noise levels 6. Injury from faulty equipment	1. Wear proper attire for geoprobe rig (no loose clothing, strings, etc.) 2. Use proper lifting technique (use legs for bending and lifting and not the back); obtain assistance if needed 3. Wear proper PPE (cut-resistant gloves) 4. Properly ventilate exhaust from geoprobe rig when working indoors or in areas of poor ventilation 5. Wear proper PPE (hearing protection) 6. Geoprobe contractor shall inspect all equipment prior to use
9. Tremie-grout borehole with a cement-bentonite grout mixture	1. Splashed cement-benonite grout on face/eyes 2. Injury from faulty equipment 3. Back strain while mixing cement/bentonite grout 4. Pinched fingers while using grout mixer	1. Wear proper PPE (safety glasses) 2. Geoprobe contractor shall inspect all equipment prior to use 3. Use proper lifting/bending technique (use legs for bending and lifting and not the back); obtain assistance if needed 4. Wear proper PPE (nitrile gloves and cut-resistant gloves)
10. Decontaminate geoprobe rods	1. Splashed decontamination water on face/eyes 2. Back strain while decontaminating geoprobe rods	1. Wear proper PPE (safety glasses) 2. Use proper lifting/bending technique (use legs for bending and lifting and not the back); obtain assistance if needed
11. Patch soil boring location to return to pre-existing conditions (e.g. concrete, asphalt, grass)	1. Cuts or lacerations from cutting concrete/asphalt bag 2. Splashed concrete on eyes/face during mixing 3. Hammer fingers/hands when patching asphalt	1. **OPEN BLADES ARE PROHIBITED FROM USE AT THE SITE**; use scissors. 2. Wear proper PPE (safety glasses) 3a. Wear proper PPE (cut-resistant gloves) 3b. Be aware of hands/fingers during hammering

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
12. Pack up equipment	1. Back strain when lifting heavy equipment 2. Slips/trips/falls while moving equipment 3. Traffic (if applicable) 4. Pinched fingers or running over toes during geoprobe set-up	1a. Use proper lifting technique (use legs for bending and lifting and not the back). Use wheeled transport for heavy equipment. Get assistance when handling loads greater than 50 lbs. 1b. Minimize distance to vehicle 2a. Use proper lifting technique (use legs for bending and lifting and not the back). Use wheeled transport for heavy equipment. Get assistance when handling loads greater than 50 lbs. 2b. Minimize distance to vehicle 2c. Have unobstructed path to vehicle or collection point 2d. Do not lift/walk with boxes that are heavy/difficult to lift 3. Wear high visibility vests and exercise caution. 4a. Wear proper PPE (cut-resistant gloves) 4b. Stay alert, be aware of geoprobe rig at all times
13. Transport drums to central staging location	1. Back, arm or shoulder strain from moving drums 2. Pinch fingers/hand in drum cart when moving drums 3. Pinch fingers/hand when operating lift-gate on vehicle 4. Contact with potentially contaminated groundwater when moving improperly sealed drums 5. Slips when moving drum 6. Drop drum on feet/toes	1. Use drum cart for moving drums; keep back in neutral position while raising barrel with drum cart; obtain assistance when moving the drum, if needed 2. Wear proper PPE (cut-resistant gloves); keep fingers away from pinch-points 3. Wear proper PPE (cut-resistant gloves); keep fingers away from pinch-points 4. Wear proper PPE (nitrile gloves under work gloves); properly seal drum to prevent leaks 5. Make sure route to move drum and storage space is dry and free from obstructions 6. Wear proper PPE (steel-toe shoes); Work in a safe manner to prevent dropped drum

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
14. All activities	1. Slips, Trips, and Falls	1a. All personnel should be constantly watching for trip hazards, such as uneven terrain, holes, ditches, stretched wires or ropes or other materials in their path 1b. Proper housekeeping of materials during sampling events 1c. Mark significant below-grade hazards (i.e. holes, trenches) with safety cones or spray paint 1d. Wear proper footwear for terrain and scope of work (steel-toe boots) 1e. Rainy, snowy, or icy conditions will warrant a more cautious work attitude. Employees should change work speed and style to fit the weather conditions
	2. Hand injuries during manual handling of materials	2a. Workers should inspect materials for jagged or sharp edges, and rough or slippery surfaces 2b. Workers should keep fingers away from pinch and shear points, especially when setting down materials 2c. Workers should wipe off greasy, wet, slippery or dirty objects before attempting to handle them 2d. Cut-resistant gloves should be worn at all times except when the gloves create a hindrance to completing the task in a safe manner
	3. Foot injuries	3. Steel-toed boots should be used for protection of the feet
	4. Back injuries	4a. All three main factors in manual lifting (load location, task repetition, and load weight) must be considered when evaluating what is safe or unsafe to lift; obtain assistance when possible 4b. All manual lifting of heavy or bulky objects shall be carefully planned to avoid injuries or damage to equipment
	5. Vehicular traffic	5. Employees shall wear high-visibility shirts or safety vests when performing work in high traffic areas; use cones where appropriate to designate work area; notify building occupants and fork lift operators of work areas

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
14. All activities (continued)	6. Wildlife a. Stray dogs b. Mice/rats c. Vectors (i.e. mosquitoes, bees, etc.) 7. Heat Stress/Cold Stress 8. Crime	6a. Employees shall be aware of their surroundings at all times, including the presence of wildlife 6b. Employees shall not approach any stray dogs 6c. Employees shall carry/use Halt in the event a stray dog may attack 6d. Use bug spray when needed 6e. Employees shall wear long-sleeve shirts during all activities at the site 7. Wear proper attire for weather conditions (sunscreen or protective clothing in sunlight, layers for cold weather); drink plenty of fluids to avoid dehydration; take breaks as necessary to avoid heat/cold stress 8. Employees shall be aware that the site is in a high crime area and work shall be performed in pairs, particularly in isolated areas of the facility and surrounding area
Additional items identified in the field.		
Additional Items.		

If additional items are identified during daily work activities, please notify all relevant personnel about the change and document on this JSA.

Date of JSA review: _____

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LANGAN	JSA NUMBER: DATE: REVISION DATE: 08/06/12	OFFICE: PROJECT MANAGER: SAFETY OFFICER:
SITE: JOB TITLE OR TASK: **Environmental Sampling**	PERSON(S) PERFORMING JOB:	ANALYSIS BY: REVIEWED BY: Tony Moffa

REQUIRED PERSONAL PROTECTIVE EQUIPMENT (PPE) AND/OR PERTINENT JOB SAFETY FORMS:
Minimum PPE: Safety Glasses, Hard Hat, Steel toe boots, Sleeved shirt and pants
Additional PPE (as needed): Leather and/or Nitrile gloves, Hearing protection, Traffic/Safety vest
Monitoring Equipment (as needed):
Job Safety Form:

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
1. Daily Tailgate Safety Meeting	None	All employees assigned to this task will attend a daily tailgate safety meeting, which will include the pertinent JSA's,
2. Unpack Equipment	1. Slip, trips, and falls 2. Physical hazards including strains and hand injury	1. Be aware of hazards in area, place orange safety cones in areas of potential STFs could occur. Where possible, remove tripping hazards. 2. Use proper lifting and bending techniques and do not lift heavy loads without assistance , use assistance as necessary. Avoid putting hands near pinch points. Wear leather work gloves when handling equipment of other heavy materials. Use proper cutting tool to open cardboard boxes.
3. Initial Site Arrival- Assess Site Conditions	1. Traffic	1. Be alert. Secure area from through traffic

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
4. Collect Sanitary Sewer Samples a. Open/close manhole covers	1. Explosive Environment 2. Covers falling on fingers and toes 3. Muscle strain	1. Explosive conditions require use of safe equipment at all times. Identify escape route. 2. Wear appropriate PPE. Use tools to remove cover. 3. Use proper ergonomics when lifting heavy objects; use appropriate mechanical assistance and tools when possible to pry and lift off covers.
5. Collecting soil gas samples	1. Encountering electric and gas utility lines.	1. Before probing, have all utilities located. Identify escape route,
6. Collecting soil samples	1. Encountering electric and gas utility lines, 2. Slip/trip hazards	1. Have all utilities located; 2. Be Alert. Position pumps and other sampling equipment in an orderly and safe fashion.
7. Icing samples. Transporting coolers and equipment.	1. Slip Hazard 2. Muscle and back injury	1. Drain water away from coolers. Wear proper PPE, such as boots. 3. Use proper ergonomics when lifting and moving coolers and equipment
8. Leaving the site	1. Contaminated vehicle/ PPE	1. Wash hands promptly. Contaminated PPE should be disposed of on-site. Remove boots and soiled clothing for secure storage in trunk.
Additional items identified in the field.		
Additional Items.		

If additional items are identified during daily work activities, please notify all relevant personnel about the change and document on this JSA.

Date of JSA review: _____

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LANGAN	JSA NUMBER: DATE: REVISION DATE: 08/06/12	OFFICE: PROJECT MANAGER: SAFETY OFFICER:
SITE: JOB TITLE OR TASK: **Field Sampling**	PERSON(S) PERFORMING JOB:	ANALYSIS BY: REVIEWED BY: Tony Moffa

REQUIRED PERSONAL PROTECTIVE EQUIPMENT (PPE) AND/OR PERTINENT JOB SAFETY FORMS:

Minimum PPE: Safety Glasses, Hard Hat, Steel toe boots, Sleeved shirt and pants

Additional PPE (as needed): Leather and/or Nitrile gloves, Hearing protection, Traffic/Safety vest

Monitoring Equipment (as needed):

Job Safety Form:

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
1.Daily Tailgate Safety Meeting	None	All employees assigned to this task will attend a daily tailgate safety meeting, which will include the pertinent JSA's,
2. Unpack Equipment	1. Slip, trips, and falls 2. Physical hazards including strains and hand injury	1. Be aware of hazards in area, place orange safety cones in areas of potential STFs could occur. Where possible, remove tripping hazards. 2. Use proper lifting and bending techniques and do not lift heavy loads without assistance , use assistance as necessary.
3. Initial Site Arrival- Assess Site Conditions	1. Traffic	1. Be alert. Secure area from through traffic
4. Surface water sampling	1. Contaminated media. Skin/eye contact with biological agents and chemicals	1. Wear site appropriate PPE. Review MSDS for all chemicals being handled.
5. Sampling from bridges	1. Struck by vehicles	1. Wear safety vest. Use buddy system
6. Icing samples. Transporting coolers and equipment.	1. Slip Hazard 2. Muscle and back injury	1. Drain water away from coolers. Wear proper PPE, such as boots. 1. Use proper ergonomics when lifting and moving coolers and equipment

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
7. Leaving the site	1. Contaminated vehicle/ PPE	1. Wash hands promptly. Contaminated PPE should be disposed of on-site. Remove boots and soiled clothing for secure storage in trunk.
Additional items identified in the field.		
Additional Items.		

If additional items are identified during daily work activities, please notify all relevant personnel about the change and document on this JSA.

Date of JSA review: _____

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LANGAN	**JSA NUMBER:** 003568901-009 **DATE:** 10/03/11 **REVISION DATE:**	**OFFICE:** Doylestown **PROJECT MANAGER:** Rich LoCastro **SAFETY OFFICER:** Shelly Beitler
SITE: FPE - Newark **JOB TITLE OR TASK:** Monitoring Well Development	**PERSON(S) PERFORMING JOB:** Shelly Beitler Matt Shrensel	**ANALYSIS BY:** Shelly Beitler **REVIEWED BY:** Rich LoCastro Tony Moffa

REQUIRED PERSONAL PROTECTIVE EQUIPMENT (PPE) AND/OR PERTINENT JOB SAFETY FORMS:	
Minimum PPE:	Steel-toed boots, long-sleeved shirt, nitrile gloves, safety glasses, hard hat
Additional PPE (as needed):	Cut-resistant or work gloves, Tyvek sleeves, high visibility vest, face shield
Monitoring Equipment:	None
Job Safety Form:	Tailgate Meeting

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
1. Daily Tailgate Safety Meeting	1. None	1. All employees assigned to this task will attend a daily tailgate safety meeting, which will include the pertinent JSA's, Standard Operating Procedures (SOPs), types of potential hazards, and actual hazards present and controls for those hazards.
2. Move equipment to work site	1. Back strain when lifting heavy equipment 2. Slips/trips/falls while moving equipment 3. Traffic (if applicable)	1a. Use proper lifting technique (use legs for bending and lifting and not the back). Use wheeled transport for heavy equipment. Get assistance when handling loads > 50 lbs. 1b. Minimize distance to vehicle 2a. Use proper lifting technique (use legs for bending and lifting and not the back). Use wheeled transport for heavy equipment. Get assistance when handling loads > 50 lbs. 2b. Minimize distance to vehicle 2c. Have unobstructed path to vehicle or collection point 2d. Do not lift/walk with boxes that are heavy/difficult to lift 3. Wear high visibility vests and exercise caution.
3. Measure depth to water	1. Exposure to hazardous substances 2. Pinch fingers in water level instrument	1. Wear proper PPE (nitrile gloves) 2. Wear proper PPE (cut-resistant gloves)

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
4. Install tremie pipe in the monitoring well and connect to water source	1. Pinch fingers when connecting pipes 2. Hand injuries during installation of tremie pipe 3. Back strain from holding tremie pipe 4. High pressure water spray from poor connections	1. Wear proper PPE (nitrile gloves) 2. Wear proper PPE (nitrile gloves) 3. Use legs and arms and not the back when installing the pump; Use two people when lowering a pump greater than 80 feet 4a. Check all connections to make sure they are tight and secure 4b. Wear proper PPE (safety glasses)
5. Install pump in well a. Connect pump to sample tubing b. Lower pump to desired depth in well c. Connect sample tubing to flow cell d. Turn on power source (generator) e. Connect pump to power source (generator)	1. Hand injuries during installation of pump 2. Lacerations when cutting tubing 3. Back strain during installation of pump 4. Physical hazards associated with manual lifting of pump, generator and other heavy equipment 5. Back strain from starting generator 6. Burns from hot exhaust from generator 7. Electrical shock from improper use of generator and pump	1. Wear proper PPE (cut-resistant and nitrile gloves) when installing pump 2. OPEN BLADES ARE PROHIBITED FROM USE AT THE SITE; use safety tubing cutter 3. Use legs and arms and not the back when installing the pump; Use two people when lowering a pump greater than 80 feet 4. Lift heavy objects using proper lifting technique (use legs for bending and lifting and not the back). Use wheeled transport for heavy equipment. Obtain assistance when handling loads greater than 50 lbs. 5. Use arm when starting generator; do not overstrain if generator does not start 6. Do not touch generator near exhaust; use proper handle to carry; allow generator to cool down before moving 7. Properly plug in pump to generator; do not allow the pump or generator to contact water; check for breaks in the cord
6. Develop monitoring well a. Jet water into well using tremie-pipe b. Connect pump to tubing b. Lower pump to desired depth in well c. Connect tubing to flow cell d. Turn on power source (generator) e. Connect pump to power source (generator) f. Turn on pump and adjust to desired flow rate g. Surge pump up and down well screen to remove sediment h. Containerize all purge water	1. Hand injuries during installation of pump 2. Lacerations when cutting tubing 3. Back strain during installation of pump 4. Physical hazards associated with manual lifting of pump, generator and other heavy equipment	1. Wear proper PPE (cut-resistant gloves and nitrile gloves) when installing pump 2. **OPEN BLADES ARE PROHIBITED FROM USE AT THE SITE**; use safety tubing cutter 3. Use legs and arms and not the back when installing the pump; Use two people when lowering a pump greater than 80 feet 4. Lift heavy objects using proper lifting technique (use legs for bending and lifting and not the back). Use wheeled transport for heavy equipment. Obtain assistance when handling loads greater than 50 lbs.

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
6. Develop monitoring well (continued)	5. Back strain from starting generator 6. Burns from hot exhaust from generator 7. Electrical shock from improper use of generator and pump 8. Contaminated water spray from loose connections or tubing output	5. Use arm when starting generator; do not overstrain if generator does not start 6. Do not touch generator near exhaust; use proper handle to carry; allow generator to cool down before moving 7. Properly plug in pump to generator; do not allow the pump or generator to contact water; check for breaks in the cord 8a. Check all tubing connections to make sure they are tight and secure 8b. Wear proper PPE (safety glasses, face shields)
7. Pack up equipment	1. Back strain when lifting heavy equipment 2. Slips/trips/falls while moving equipment 3. Traffic (if applicable)	1a. Use proper lifting technique (use legs for bending and lifting and not the back). Use wheeled transport for heavy equipment. Get assistance when handling loads > 50 lbs. 1b. Minimize distance to vehicle 2a. Use proper lifting technique (use legs for bending and lifting and not the back). Use wheeled transport for heavy equipment. Get assistance when handling loads > 50 lbs. 2b. Minimize distance to vehicle 2c. Have unobstructed path to vehicle or collection point 2d. Do not lift/walk with boxes that are heavy/difficult to lift 3. Wear high visibility vests and exercise caution.
8. Transport drums to central staging location	1. Back, arm or shoulder strain from moving drums 2. Pinch fingers/hand in drum cart when moving drums 3. Pinch fingers/hand when operating lift-gate on vehicle 4. Contact with potentially contaminated groundwater when moving improperly sealed drums 5. Slips when moving drum 6. Drop drum on feet/toes	1. Use drum cart for moving drums; keep back in neutral position while raising barrel with drum cart; obtain assistance when moving the drum, if needed 2. Wear proper PPE (cut-resistant gloves); keep fingers away from pinch-points 3. Wear proper PPE (cut-resistant gloves); keep fingers away from pinch-points 4. Wear proper PPE (nitrile gloves under cut-resistant gloves); properly seal drum to prevent leaks 5. Make sure route to move drum and storage space is dry and free from obstructions 6. Wear proper PPE (steel-toe shoes); Work in a safe manner to prevent dropped drum

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
9. All activities	1. Slips, Trips, and Falls	1a. All personnel should be constantly watching for trip hazards, such as uneven terrain, holes, ditches, stretched wires or ropes or other materials in their path 1b. Proper housekeeping of materials during sampling events 1c. Mark significant below-grade hazards (i.e. holes, trenches) with safety cones or spray paint 1d. Wear proper footwear for terrain and scope of work (steel-toe boots) 1e. Rainy, snowy, or icy conditions will warrant a more cautious work attitude. Employees should change work speed and style to fit the weather conditions
	2. Hand injuries during manual handling of materials	2a. Workers should inspect materials for jagged or sharp edges, and rough or slippery surfaces 2b. Workers should keep fingers away from pinch and shear points, especially when setting down materials 2c. Workers should wipe off greasy, wet, slippery or dirty objects before attempting to handle them 2d. Cut-resistant gloves should be worn at all times except when the gloves create a hindrance to completing the task in a safe manner
	3. Foot injuries	3. Steel-toed boots should be used for protection of the feet
	4. Back injuries	4a. All three main factors in manual lifting (load location, task repetition, and load weight) must be considered when evaluating what is safe or unsafe to lift; obtain assistance when possible 4b. All manual lifting of heavy or bulky objects shall be carefully planned to avoid injuries or damage to equipment
	5. Vehicular traffic	5. Employees shall wear high-visibility shirts or safety vests when performing work in high traffic areas; use cones where appropriate to designate work area; notify building occupants and fork lift operators of work areas

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
9. All activities (continued)	6. Wildlife a. Stray dogs b. Mice/rats c. Vectors (i.e. mosquitoes, bees, etc.)	6a. Employees shall be aware of their surroundings at all times, including the presence of wildlife 6b. Employees shall not approach any stray dogs 6c. Employees shall carry/use Halt in the event a stray dog may attack 6d. Use bug spray when needed 6e. Employees shall wear long-sleeve shirts during all activities at the site
	7. Heat Stress/Cold Stress	7. Wear proper attire for weather conditions (sunscreen or protective clothing in sunlight, layers for cold weather); drink plenty of fluids to avoid dehydration; take breaks as necessary to avoid heat/cold stress
	8. Crime	8. Employees shall be aware that the site is in a high crime area and work shall be performed in pairs, particularly in isolated areas of the facility and surrounding area

LANGAN	JSA NUMBER: DATE: 08/04/10 REVISION DATE: 7/28/11	OFFICE: PROJECT MANAGER: SAFETY OFFICER:
SITE: JOB TITLE OR TASK: Monitoring Well Installation	PERSON(S) PERFORMING JOB:	ANALYSIS BY: REVIEWED BY: Tony Moffa

REQUIRED PERSONAL PROTECTIVE EQUIPMENT (PPE) AND/OR PERTINENT JOB SAFETY FORMS:	
Minimum PPE:	Steel-toed boots, long-sleeved shirt, nitrile gloves, safety glasses, hard hat
Additional PPE (as needed):	Cut-resistant or work gloves, Tyvek sleeves, high visibility vest
Monitoring Equipment:	Photo-ionization detector (PID)
Job Safety Form:	Tailgate Meeting

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
1. Daily Tailgate Safety Meeting	1. None	1. All employees assigned to this task will attend a daily tailgate safety meeting, which will include the pertinent JSA's, Standard Operating Procedures (SOPs), types of potential hazards, and actual hazards present and controls for those hazards.
2. Move equipment to work site	1. Back strain when lifting heavy equipment 2. Slips/trips/falls while moving equipment 3. Traffic (if applicable) 4. Pinched fingers or running over toes during geoprobe set-up	1a. Use proper lifting technique (use legs for bending and lifting and not the back). Use wheeled transport for heavy equipment. Get assistance when handling loads greater than 50 lbs. 1b. Minimize distance to vehicle 2a. Use proper lifting technique (use legs for bending and lifting and not the back). Use wheeled transport for heavy equipment. Get assistance when handling loads greater than 50 lbs. 2b. Minimize distance to vehicle 2c. Have unobstructed path to vehicle or collection point 2d. Do not lift/walk with boxes that are heavy/difficult to lift 3. Wear high visibility vests and exercise caution. 4a. Wear proper PPE (cut-resistant gloves)

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
2. Move equipment to work site (continued)	5. Overturn drill rig while transporting to loading dock on flat-bed tow truck	4b. Stay alert, be aware of geoprobe rig at all times 5a. Drill rig should be parked in center of flat-bed tow truck 5b. Emergency brake shall be used at all times during transport on the flat-bed truck 5c. All unnecessary personnel should stay away from the flat-bed truck during moving activities
3. Set-up geoprobe rig at desired location	1. Slips/trips/falls while moving equipment	1a. All personnel should be constantly watching for trip hazards, such as uneven terrain, holes, ditches, stretched wires or ropes or other materials in their path 1b. Proper housekeeping of materials during sampling events 1c. Mark significant below-grade hazards (i.e. holes, trenches) with safety cones or spray paint
	2. Pinched fingers or running over toes during geoprobe set-up	2a. Wear proper PPE (cut-resistant gloves) 2b. Stay alert, be aware of geoprobe rig at all times
	3. Clothing entanglement	3. Wear proper attire for geoprobe rig (no loose clothing, strings, etc.)
	4. Electrocution/falling equipment and debris from raising geoprobe rig mast	4a. Wear proper PPE (hard hats) 4b. Be aware of locations at all times; look up, down and around before raising mast 4c. Check geoprobe drill rig mast prior to raising for loose objects/debris
	5. Carbon monoxide poisoning	5. Properly ventilate exhaust from geoprobe rig when working indoors or in areas of poor ventilation
	6. Geoprobe rig roll-over	6a. Do not move rig with mast raised 6b. Set stabilizers prior to raising mast, if applicable 6c. Inspect work area; if area appears unstable, area should be assessed by a qualified professional engineer or the MIP boring location should be moved
	7. Geoprobe rig movement	7a. All field personnel should stay clear of the geoprobe rig while moving 7b. Use a spotter when backing up the geoprobe rig

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
4. Advance geoprobe rods below ground surface to desired depth	1. Strain wrist/bruise palm while preparing geoprobe rods	1a. Wear proper PPE (cut-resistant gloves) 1b. Use proper technique for preparing geoprobe rods; use second person if necessary
	2. Pinched fingers while preparing geoprobe/MIP rods	2. Wear proper PPE (cut-resistant gloves)
	3. Injury due to encountering below grade utilities	3a. Markout all utilities prior to advancing the MIP boring using utility plans, geophysical contractor, or site personnel knowledge 3b. Clear all subsurface soil borings to a minimum of 5 feet below grade
	4. Back strain while preparing geoprobe rods	4. Use proper lifting technique (use legs for bending and lifting and not the back); obtain assistance if needed
	5. Clothing entanglement while advancing geoprobe rods	5. Wear proper attire for geoprobe rig (no loose clothing, strings, etc.)
	6. Carbon monoxide poisoning	6. Properly ventilate exhaust from geoprobe rig when working indoors or in areas of poor ventilation
	7. Bruised/broken toes/feet from dropping equipment and geoprobe rods	7. Wear proper PPE (steel-toe boots); Work in a safe manner to prevent dropped rod
	8. High noise levels	8. Wear proper PPE (hearing protection)
	9. Injury from faulty equipment	9. Geoprobe contractor shall inspect all equipment prior to use
5. Remove and open acetate liner	1. Pinched fingers while removing macrocore	1. Wear proper PPE (nitrile and cut-resistant gloves)
	2. Cuts/lacerations when cutting acetate liner open	2a. **OPEN BLADES ARE PROHIBITED FROM USE AT THE SITE**; use acetate liner cutting tool 2b. Wear proper PPE (cut-resistant gloves) 2c. Cut acetate liner away from body
	3. Exposure to hazardous vapors	3a. Do not place face over acetate liner when opening 3b. Monitor hazardous vapors in air with PID; upgrade PPE as necessary based on levels contained in the Health and Safety Plan
	4. Skin contact with contaminated soil	4. Wear proper PPE (nitrile gloves)

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
6. Remove soil from acetate liner and place in a 55-gallon drum	1. Cuts/lacerations from acetate liner 2. Pinched fingers/hand while opening/closing 55-gallon drum 3. Skin contact with contaminated soil 4. Soil debris in eyes	1. Wear proper PPE (cut-resistant gloves) 2a. Wear proper PPE (cut-resistant gloves) 2b. Keep fingers/hands away from pinch points 3. Wear proper PPE (nitrile gloves, long-sleeve shirt) 4. Wear proper PPE (safety glasses)
7. Repeat steps 4 and 5 until desired depth is reached	1. See Steps 4 and 5	1. See Steps 4 and 5
8. Remove geoprobe rods and place in storage rack	1. Clothing entanglement while removing geoprobe rods 2. Back strain while removing geoprobe rods 3. Pinched fingers while removing geoprobe rods 4. Carbon monoxide poisoning 5. High noise levels 6. Injury from faulty equipment	1. Wear proper attire for geoprobe rig (no loose clothing, strings, etc.) 2. Use proper lifting technique (use legs for bending and lifting and not the back); obtain assistance if needed 3. Wear proper PPE (cut-resistant gloves) 4. Properly ventilate exhaust from geoprobe rig when working indoors or in areas of poor ventilation 5. Wear proper PPE (hearing protection) 6. Geoprobe contractor shall inspect all equipment prior to use
9. Attach hollow-stem augers to the geoprobe rig; advance augers and attach additional augers until desired depth is reached	1. Strain wrist/bruise palm while attaching augers 2. Pinched fingers while attaching augers 3. Back strain while lifting and attaching augers and shoving drill cuttings in 55-gallon drums 4. Clothing entanglement while advancing augers 5. Carbon monoxide poisoning 6. Bruised/broken toes/feet from dropping equipment and augers 7. High noise levels 8. Injury from faulty equipment 9. Skin contact with contaminated soil	1a. Wear proper PPE (cut-resistant gloves) 1b. Use proper technique for attaching augers; use second person if necessary 2. Wear proper PPE (cut-resistant gloves); keep fingers away from pinch points 3. Use proper lifting technique (use legs for bending and lifting and not the back); obtain assistance if needed 4. Wear proper attire for geoprobe rig (no loose clothing, strings, etc.) 5. Properly ventilate exhaust when working indoors or in areas of poor ventilation 6. Wear proper PPE (steel-toe boots); Work in a safe manner to prevent dropped augers/equipment 7. Wear proper PPE (hearing protection) 8. Geoprobe contractor shall inspect all equipment prior to use 9. Wear proper PPE (nitrile gloves, long-sleeve shirt)

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
	10. High noise levels	10. Wear proper PPE (hearing protection)
10. Install monitoring well	1. Pinched fingers while constructing PVC monitoring well 2. Lacerations/abrasions while cutting PVC monitoring well 3. Back/arm strain while setting PVC monitoring well inside augers 4. Lacerations/abrasions from cutting open bags of sand and bentonite 5. Back/arm strain while filling annulus space with sand and bentonite	1. Wear proper PPE (nitrile gloves and cut-resistant gloves) 2a. **OPEN BLADES ARE PROHIBITED FROM USE AT THE SITE**; use appropriate PVC cutting tools 2b. Cut away from the body 2c. Wear proper PPE (cut-resistant gloves) 3. Use proper lifting/bending technique (use legs for bending and lifting and not the back); obtain assistance if needed 4a. **OPEN BLADES ARE PROHIBITED FROM USE AT THE SITE**; use scissors 4b. Wear proper PPE (cut-resistant gloves) 5. Use proper lifting/bending technique (use legs for bending and lifting and not the back); obtain assistance if needed
11. Tremie-grout annulus space above bentonite seal	1. Splashed cement-benonite grout on face/eyes 2. Injury from faulty equipment 3. Back strain while mixing cement/bentonite grout 4. Pinched fingers while using grout mixer	1. Wear proper PPE (safety glasses) 2. Geoprobe contractor shall inspect all equipment prior to use 3. Use proper lifting/bending technique (use legs for bending and lifting and not the back); obtain assistance if needed 4. Wear proper PPE (nitrile gloves and cut-resistant gloves)
12. Install flush-mount monitoring well pad	1. Splashed concrete on eyes/face during mixing 2. Pinched fingers when opening/closing monitoring well manhole 3. Cuts or lacerations from opening concrete bag	1. Wear proper PPE (safety glasses) 2. Wear proper PPE (cut-resistant gloves); keep fingers away from pinch points 3a. **OPEN BLADES ARE PROHIBITED FROM USE AT THE SITE**; use scissors 3b. Wear proper PPE (cut-resistant gloves)
13. Decontaminate geoprobe rods and augers	1. Splashed decontamination water/debris on face/eyes 2. Back strain while decontaminating geoprobe rods and augers 3. Injury from high-pressure washer 4. Injury from faulty decontamination equipment	1. Wear proper PPE (safety glasses) 2. Use proper lifting/bending technique (use legs for bending and lifting and not the back); obtain assistance if needed 3. Wear proper PPE (cut-resistant gloves, safety glasses); be aware of pressure 4. Contractor shall inspect all equipment prior to use

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
14. Develop monitoring well a. Connect pump to sample tubing b. Lower pump to desired depth in well c. Connect sample tubing to flow cell d. Turn on power source (generator) e. Connect pump to power source (generator) f. Turn on pump and adjust to desired flow rate g. Surge pump up and down well screen to remove sediment	1. Hand injuries during installation of pump 2. Lacerations when cutting tubing 3. Back strain during installation of pump 4. Physical hazards associated with manual lifting of pump, generator and other heavy equipment 5. Back strain from starting generator 6. Burns from hot exhaust from generator 7. Electrical shock from improper use of generator and pump 8. Contaminated water spray from loose connections	1. Wear proper PPE (cut-resistant gloves and nitrile gloves) when installing pump 2. **OPEN BLADES ARE PROHIBITED FROM USE AT THE SITE**; use safety tubing cutter 3. Use legs and arms and not the back when installing the pump; Use two people when lowering a pump greater than 80 feet 4. Lift heavy objects using proper lifting technique (use legs for bending and lifting and not the back). Use wheeled transport for heavy equipment. Obtain assistance when handling loads greater than 50 lbs. 5. Use arm when starting generator; do not overstrain if generator does not start 6. Do not touch generator near exhaust; use proper handle to carry; allow generator to cool down before moving 7. Properly plug in pump to generator; do not allow the pump or generator to contact water; check for breaks in the cord 8. Check all tubing connections to make sure they are tight and secure

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
15. Pack up equipment	1. Back strain when lifting heavy equipment 2. Slips/trips/falls while moving equipment 3. Traffic (if applicable) 4. Pinched fingers or running over toes during geoprobe set-up	1a. Use proper lifting technique (use legs for bending and lifting and not the back). Use wheeled transport for heavy equipment. Get assistance when handling loads greater than 50 lbs. 1b. Minimize distance to vehicle 2a. Use proper lifting technique (use legs for bending and lifting and not the back). Use wheeled transport for heavy equipment. Get assistance when handling loads greater than 50 lbs. 2b. Minimize distance to vehicle 2c. Have unobstructed path to vehicle or collection point 2d. Do not lift/walk with boxes that are heavy/difficult to lift 3. Wear high visibility vests and exercise caution. 4a. Wear proper PPE (cut-resistant gloves) 4b. Stay alert, be aware of geoprobe rig at all times
16. Transport drums to central staging location	1. Back, arm or shoulder strain from moving drums 2. Pinch fingers/hand in drum cart when moving drums 3. Pinch fingers/hand when operating lift-gate on vehicle 4. Contact with potentially contaminated groundwater when moving improperly sealed drums 5. Slips when moving drum 6. Drop drum on feet/toes	1. Use drum cart for moving drums; keep back in neutral position while raising barrel with drum cart; obtain assistance when moving the drum, if needed 2. Wear proper PPE (cut-resistant gloves); keep fingers away from pinch-points 3. Wear proper PPE (cut-resistant gloves); keep fingers away from pinch-points 4. Wear proper PPE (nitrile gloves under cut-resistant gloves); properly seal drum to prevent leaks 5. Make sure route to move drum and storage space is dry and free from obstructions 6. Wear proper PPE (steel-toe shoes); Work in a safe manner to prevent dropped drum
17. All activities	1. Slips, Trips, and Falls	1a. All personnel should be constantly watching for trip hazards, such as uneven terrain, holes, ditches, stretched wires or ropes or other materials in their path 1b. Proper housekeeping of materials during sampling events

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
		1c. Mark significant below-grade hazards (i.e. holes, trenches) with safety cones or spray paint 1d. Wear proper footwear for terrain and scope of work (steel-toe boots) 1e. Rainy, snowy, or icy conditions will warrant a more cautious work attitude. Employees should change work speed and style to fit the weather conditions
	2. Hand injuries during manual handling of materials	2a. Workers should inspect materials for jagged or sharp edges, and rough or slippery surfaces 2b. Workers should keep fingers away from pinch and shear points, especially when setting down materials 2c. Workers should wipe off greasy, wet, slippery or dirty objects before attempting to handle them 2d. Cut-resistant gloves should be worn at all times except when the gloves create a hindrance to completing the task in a safe manner
	3. Foot injuries	3. Steel-toed boots should be used for protection of the feet

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
17. All activities (continued)	4. Back injuries	4a. All three main factors in manual lifting (load location, task repetition, and load weight) must be considered when evaluating what is safe or unsafe to lift; obtain assistance when possible 4b. All manual lifting of heavy or bulky objects shall be carefully planned to avoid injuries or damage to equipment
	5. Vehicular traffic	5. Employees shall wear high-visibility shirts or safety vests when performing work in high traffic areas; use cones where appropriate to designate work area; notify building occupants and fork lift operators of work areas
	6. Wildlife a. Stray dogs b. Mice/rats c. Vectors (i.e. mosquitoes, bees, etc.)	6a. Employees shall be aware of their surroundings at all times, including the presence of wildlife 6b. Employees shall not approach any stray dogs 6c. Employees shall carry/use Halt in the event a stray dog may attack 6d. Use bug spray when needed 6e. Employees shall wear long-sleeve shirts during all activities at the site
	7. Heat Stress/Cold Stress	7. Wear proper attire for weather conditions (sunscreen or protective clothing in sunlight, layers for cold weather); drink plenty of fluids to avoid dehydration; take breaks as necessary to avoid heat/cold stress
	8. Crime	8. Employees shall be aware that the site is in a high crime area and work shall be performed in pairs, particularly in isolated areas of the facility and surrounding area
Additional items identified in the field.		
Additional Items.		

SEQUENCE OF BASIC JOB STEPS	POTENTIAL HAZARDS	PREVENTATIVE OR CORRECTIVE ACTION
If additional items are identified during daily work activities, please notify all relevant personnel about the change and document on this JSA.		

Date of JSA review: _____

Print Name	Sign Name	Company
		Langan
		Langan
		Langan

APPENDIX H

TAILGATE SAFETY BRIEFING

LANGAN TAILGATE SAFETY BRIEFING

Date: _____ Time: _____

Leader: _____ Location: _____

Work Task: _____

SAFETY TOPICS (*provide some detail of discussion points*)

Chemical Exposure Hazards and Control:_____

_____

Physical Hazards and Control: _____

Air Monitoring: _____

PPE:_____

Communications:_____

Safe Work Practices: _____

_____

Emergency Response: _____

Hospital/Medical Center Location: _____

Phone Numbers: _____

Other: _____

FOR FOLLOW-UP (the issues, responsibilities, due dates, etc.**)**

_____

_____

_____

ATTENDEES

PRINT NAME	COMPANY	SIGNATURE