1243-1275 WOODROW ROAD

STATEN ISLAND, NEW YORK

Remedial Investigation Report

NYC VCP Site Number: 12CVCP063R

NYC E-Designation Site Number: 12RH-A148R

Prepared for:

WOODROW PLAZA, LLC
15 SEQUINE AVENUE
STATEN ISLAND, NEW YORK 10013

Prepared by:

GEI Consultants
110 Walt Whitman Road, Suite 204
(631) 484-9152

March 2013

REMEDIAL INVESTIGATION REPORT
TABLE OF CONTENTS

FIGURES

List of Figures

TABLES

List of Tables

APPENDICES

- Appendix A Phase 1 Report
- Appendix B Health and Safety Plan
- Appendix C Soil Boring Geologic Logs
- Appendix D Well Sampling Logs
- Appendix E Laboratory Data Deliverables for Soil Analytical Data
- Appendix F Laboratory Data Deliverables for Groundwater Analytical Data
- Appendix G Laboratory Data Deliverables for Soil Vapor Analytical Data

LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
CAMP	Community Air Monitoring Plan
COC	Contaminant of Concern
CPP	Citizen Participation Plan
CSM	Conceptual Site Model
DER-10	New York State Department of Environmental Conservation Technical Guide 10
FID	Flame Ionization Detector
GPS	Global Positioning System
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
IRM	Interim Remedial Measure
NAPL	Non-aqueous Phase Liquid
NYC BCP	New York City Brownfield Cleanup Program
NYC DOHMH	New York City Department of Health and Mental Hygiene
NYC OER	New York City Office of Environmental Remediation
NYS DOH ELAP	New York State Department of Health Environmental Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PID	Photoionization Detector
QEP	Qualified Environmental Professional
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objective
SPEED	Searchable Property Environmental Electronic Database

CERTIFICATION

I, Jeffrey Shelkey, am a Qualified Environmental Professional, as defined in RCNY § 43-1402(ar). I have primary direct responsibility for implementation of the Remedial Investigation for the 1243-1275 Woodrow Road, Staten Island, New York Site, (NYC BCP Site No.12RH-A148R.). I am responsible for the content of this Remedial Investigation Report (RIR), have reviewed its contents and certify that this RIR is accurate to the best of my knowledge and contain all available environmental information and data regarding the property.

Qualified Environmental Professional　　Date　　Signature

EXECUTIVE SUMMARY

The Remedial Investigation Report (RIR) provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy pursuant to RCNY§ 43-1407(f). The remedial investigation (RI) described in this document is consistent with applicable guidance.

Site Location and Current Usage

The Site is located at 1243-1275 Woodrow Road in the Rossville neighborhood section in the borough of Staten Island, New York and is identified as Block 6145 and Lots 13 & 16 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 79,626-square feet and is bounded by a retail shopping center to the north, Woodrow Road to the south, Alverson Avenue to the east, and Rossville Avenue to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is a vacant wooded lot, with dense understory vegetation and numerous mature trees. Remnants of a former building slab were observed on the north side of the property.

Summary of Proposed Redevelopment Plan

The proposed future use of the Site will consist of 2-2 story commercial and retail buildings with parking below grade and at grade. Layout of the proposed site development is presented in Figure number 2. The complete development plans are included in Appendix 1. The current zoning designation is R3X residential with a C2-2 overlay (commercial). The proposed use is consistent with existing zoning for the property.

The proposed use of the vacant property is to construct two, two-story commercial use (office and retail) buildings on the site. Parking for vehicles would be beneath both buildings and in spaces provided on site. Excavation and grading on site would be completed to construct the subgrade parking area and to level the Site for construction purposes. Excavation depths would range from a minimum of approximately one foot on the western portion of the Site and generally increasing to a maximum of approximately 11.5-feet on the eastern portion of the Site (see Figure 3). The total volume of excavated soil is estimated to be approximately 7,600 cubic yards; however, approximately 700 cubic yards of this material is to be re-used on the Site for grading. Onsite fill would be used to grade and level areas of the site and to construct additional parking spaces. Groundwater was encountered at elevation +/- 60 feet MSL. The maximum proposed cut in elevation would be to 102'MSL or 50+ feet above the existing groundwater table.

Summary of Past Uses of Site and Areas of Concern

A Phase I Environmental Site Assessment was completed by Environmental Projects Data Statements Company (EPDS) in January 2008. The EPDS Phase I historical research identified that a portion of this site at 1275 Woodrow Road was used by a florist during the 1920's and 1930's and then was a residential dwelling. A portion of the property at 1243 Woodrow Road contained a residential dwelling from the 1960's to at least 1996. No additional uses of the properties were identified in the Phase I report. There were no Areas of Concern identified in the Phase I report.

Summary of the Work Performed under the Remedial Investigation

1. EEA, Inc. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed six soil borings across the entire project Site, and collected 12 soil samples plus QA/QC samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three groundwater monitoring wells throughout the Site to establish groundwater flow and collected three groundwater samples plus QA/QC samples for chemical analysis to evaluate groundwater quality;
4. Installed four soil vapor probes around Site perimeter and collected four soil vapor samples plus one ambient air sample for chemical analysis.

Summary of Environmental Findings

1. Elevation of the property ranges from 106 feet to 118 feet.
2. Depth to groundwater ranges up to 70 to 75 feet at the Site.
3. Groundwater flow is generally presumed to flow from east to west beneath the Site.
4. Depth to bedrock was not determined and was not encountered at the Site.
5. The stratigraphy of the site, from the surface down, consists of 80 feet of glacially deposited silts and sands.
6. Soil/fill samples collected during the RI detected no volatile organic compounds (VOCs) and PCBs in any of the soil samples analyzed. Low levels of pesticides in shallow soils (0-2 ft.) were detected and included DDE (maximum concentration of 11 ppb) and DDT (maximum concentration of 4.8 ppb). The Unrestricted Use Soil Cleanup Objective (SCO) for DDE and DDT is 3.3 ppb. Numerous Semi Volatile Organic Compounds (SVOCs) were observed in low concentrations in the shallow soils. None of the soil samples exceeded the Unrestricted Use SCOs. The shallow distribution of the SVOC compounds is typical of urban fill. No SVOC compounds were observed in the deeper samples collected. All detected metals were below the unrestricted use SCOs except for copper (140 ppm) at 0-2 ft and Selenium (at 6.7 ppm) at 12-14 ft. The unrestricted use SCO for selenium is 3.9 ppm. The RI did not reveal any contaminant source areas on the property.

7. Groundwater samples collected during the RI indicated that Pesticides and PCBs were not detected in groundwater. One volatile organic compound, chloroform was detected in all samples above Groundwater Quality Standards (GQS) at a maximum concentration of 12 ppb (GQS is 7 ppb). One semi volatile organic compound, Bis(2-ethylhexyl)phthalate was observed at 4 ppb. Unfiltered metals included iron, manganese and sodium. Dissolved metals above GQS included manganese and sodium. These metals are believed to be naturally occurring and associated with regional groundwater quality and not influenced by the property.

8. Soil vapor samples collected during the RI showed low concentrations of acetone (737 ug/m^3), benzene (4.4 ug/m^3), carbon disulfide (21.4 ug/m^3), cyclohexane (3.7 ug/m^3), hexane (12.7 ug/m^3), toluene (32 ug/m^3), and tricloroflu oromethane (61 ug/m^3). None of these compounds were observed in concentrations governed under the NYSDODH Soil Vapor Guidance. No VOCs were detected in the outdoor ambient air sample.

REMEDIAL INVESTIGATION REPORT

1.0 SITE BACKGROUND

Woodrow Plaza, LLC has enrolled in the New York City Voluntary Cleanup Program (NYC VCP) to investigate and remediate a 1.83-acre site located at 1243-1275 Woodrow Road in the Rossville section of Staten Island, New York. Commercial use is proposed for the property. The RI work was performed between February 1, 2012 and March 6 2012. This RIR summarizes the nature and extent of contamination and provides sufficient information for establishment of remedial action objectives, evaluation of remedial action alternatives, and selection of a remedy that is protective of human health and the environment consistent with the use of the property pursuant to RCNY§ 43-1407(f).

1.1 SITE LOCATION AND CURRENT USAGE

The Site is located at 1243-1275 Woodrow Road in the Rossville section in the borough of Staten Island, New York and is identified as Block 6145 and Lots 13 & 16 on the New York City Tax Map. Figure 1 shows the Site location. The Site is 79,626-square feet and is bounded by a retail shopping center to the north, Woodrow Road to the south, Alverson Avenue to the east, and Rossville Avenue to the west. A map of the site boundary is shown in Figure 2. Currently, the Site is a vacant wooded lot, with dense understory vegetation and numerous mature trees. Remnants of a former building slab were observed on the north side of the property.

1.2 PROPOSED REDEVELOPMENT PLAN

The proposed future use of the Site will consist of two 2- story commercial and retail buildings with parking below grade and at grade. Layout of the proposed site development is presented in Figure number 3. The current zoning designation is R3X residential with a C2-2 overlay (commercial).. The proposed use is consistent with existing zoning for the property.

The proposed use of the vacant property is to construct two, 2-story commercial use (office and retail) buildings on the site. Parking for vehicles would be beneath both buildings and at grade in spaces provided on site. Excavation and grading on site would be completed to construct the subgrade parking area. On site fill would be used to grade and level areas of the site and to construct additional parking spaces. Groundwater was encountered at elevation +/- 60 feet MSL.

The maximum proposed cut in elevation would be to 102'MSL or 50+ feet above the existing groundwater table.

1.3 DESCRIPTION OF SURROUNDING PROPERTY

Surrounding uses of adjacent properties include:

North- Woodrow Shopping Center with 2-one story multi-tenant retail buildings.

South- Woodrow Road with single and duplex family homes.

East- Alverson Avenue with single and duplex family homes.

West-Rossville Avenue with single and duplex family homes.

The closest school is Public School PS 56, 0.34 miles to the west. The closest day care is the Woodrow Preschool Center, 0.37 miles to the east, and the closest hospital is the Staten Island University Hospital, 1.83 miles southeast of the site.

2.0 SITE HISTORY

2.1 PAST USES AND OWNERSHIP

A Phase I Environmental Site Assessment was Environmental Projects Data Statements Company (EPDS) in January 2008. The EPDS Phase I historical research identified that a portion of this site at 1275 Woodrow Road was used by a florist during the 1920's and 1930's and then was a residential dwelling. A portion of the property at 1243 Woodrow Road contained a residential dwelling from the 1960's to at least 1996. No additional uses of the properties were identified in the Phase I report.

2.2 PREVIOUS INVESTIGATIONS

There were no previous Phase II site investigations known to have been completed for this site.

2.3 SITE INSPECTION

A site inspection was performed by EEA prior to initiating a Phase II subsurface investigation. At the time of the inspection, the subject property was a vacant wood lot which contained numerous mature trees and was overgrown with dense understory vegetation. Some landscape debris and typical household trash was observed at the perimeter of the property along the fence line. A portion of a concrete slab (remnant) was observed along the northern portion of the property. There were no observed indications of disposal of chemical containers, oil stained soils, dead or dying vegetation or disposal pits or lagoons. The inspection was performed on February 1st, 2012.

2.4 AREAS OF CONCERN

A phase 1 Report is presented in Appendix A. Areas of Concern included surficial historic fill at the site.

3.0 PROJECT MANAGEMENT

3.1 PROJECT ORGANIZATION

The Qualified Environmental Profession (QEP) responsible for preparation of this RIR is Jeffrey Shelkey, Senior Scientist at EEA, Inc.

3.2 HEALTH AND SAFETY

All work described in this RIR was performed in full compliance with applicable laws and regulations, including Site and OSHA worker safety requirements and HAZWOPER requirements. A Site Specific Health and Safety Plan was prepared prior to initiating the Phase II investigation at this site and is attached as Appendix B.

3.3 MATERIALS MANAGEMENT

All material encountered during the RI was managed in accordance with applicable laws and regulations.

4.0 REMEDIAL INVESTIGATION ACTIVITIES

EEA, Inc., on behalf of Woodrow Plaza, LLC, performed the following scope of work:

1. Conducted a Site inspection to identify AOCs and physical obstructions (i.e. structures, buildings, etc.);
2. Installed six soil borings across the entire project Site, and collected 12 soil samples plus QA/QC samples for chemical analysis from the soil borings to evaluate soil quality;
3. Installed three groundwater monitoring wells throughout the Site to establish groundwater flow and collected three groundwater samples plus QA/QC samples for chemical analysis to evaluate groundwater quality;
4. Installed four soil vapor probes around Site perimeter and collected four soil vapor samples plus one ambient air sample for chemical analysis.

4.1 GEOPHYSICAL INVESTIGATION

No geophysical investigation, other than utility mark outs was performed

4.2 BORINGS AND MONITORING WELLS

Drilling and Soil Logging

For all six soil borings, soil samples were collected continuously from grade to a final depth of 14 feet below existing grade, using a four foot steel macro core sampler with acetate liners and a Geoprobe LT54 using the direct push method. Three borings were located within the footprint of the proposed building and three borings were outside the footprints. All soil samples from the borings were screened with a photoionization detector and prior to logging and sampling. No PID readings above background concentrations were obtained from any of the soil borings and no visual discoloration, odors/vapors or presence of free or residual product was observed. Individual boring logs were created for each boring. Groundwater was not encountered during the soil boring program. Boring logs were prepared by the site investigator and are attached in Appendix C. A map showing the location of soil borings and monitor wells is shown in Figure 2.

Groundwater Monitoring Well Construction

Three 2-inch groundwater monitoring wells were installed on site to assess the condition of the groundwater. A Mobile B-60 drilling rig using the wash and drive casing method was used to install the wells to a depth of 80 feet below grade. Each monitoring well was constructed with 2-inch schedule 40 flush joint PVC riser pipe and 20 feet of .020" machine slotted PVC well screen. The well screen was backfilled with washed well sand and sealed with bentonite chips and hydrated. Locking well caps and road boxes or stand up risers were used to protect the PVC wells. At the conclusion of the well installations, well purging and sampling was conducted with a Grundfos submersible pump. The water quality was monitored with a Horiba U 22 monitor until the conditions stabilized in wells GW-1 and GW-2 following the low flow/ stress protocol specified in the sampling plan. Well GW-3 silted in to within 1 foot of the top of the screen and bailing with a disposable bailer was necessary to collect water samples for analysis. QA/QC samples including a field duplicate and an MS/MSD were also collected.

Monitor well locations are shown in Figure 2.

Survey

Soil borings and monitoring wells were located with taped measurements from local fixed landmarks.

Water Level Measurement

Water level measurements were completed with a Solinst water level monitor calibrated 0.01 foot. All measurements were taken at the north side on the top of the PVC well casing.

Water level data is included in Appendix D.

4.3 SAMPLE COLLECTION AND CHEMICAL ANALYSIS

Sampling performed as part of the field investigation was conducted for all Areas of Concern and also considered other means for bias of sampling based on professional judgment, area history, discolored soil, stressed vegetation, drainage patterns, field instrument measurements, odor, or other field indicators. All media including soil, groundwater and soil vapor have been sampled and evaluated in the RIR. Discrete (grab) samples have been used for final delineation of the nature and extent of contamination and to determine the impact of contaminants on public health and the environment. The sampling performed and presented in this RIR provides sufficient basis for evaluation of remedial action alternatives, establishment of a qualitative human health exposure assessment, and selection of a final remedy.

Soil Sampling

Eighteen soil samples from six borings were collected during this RI. Only the surface sample and the deepest sample from each boring were selected for chemical analysis. The intermediate samples from each boring were held for future analysis if necessary. Data on soil sample collection for chemical analysis is presented in Tables 1 through 4. Soil samples were continuously collected with a Geoprobe 54 LT drill rig using a macrocore core barrel and expendable liners, to the specified depths. Six soil borings were completed to a maximum depth of 14' below grade. Each macrocore liner was cut open after recovery and immediately screened with a Photo Ionization Detector (PID) for Volatile Organic Carbons (VOC's), prior to collecting the required samples for laboratory analysis. No VOC's were detected in any of the samples. The borings encountered traces of fill, fine silty sand, medium to coarse sand, and some sandy silt and clay. A soil boring report log was created for each boring completed and is included in Appendix C. The soil appeared to be native material with no mottling, odors or discoloration. Samples were collected at the predetermined depths in the laboratory precleaned jars, labeled at the time of sampling and were placed on ice for transport to the laboratory. A Chain of Custody form was completed at the time of sampling. In addition to the required samples, one field duplicate sample and one MS/MSD sample was collected for QA/QC purposes.

Data on soil sample collection for chemical analyses, including dates of collection and sample depths, is reported in Tables 1 through 4. Figure 2 shows the location of samples collected in this investigation.

Groundwater Sampling

Three groundwater samples plus one field duplicate and one MS/MSD sample were collected for chemical analysis during this RI. Groundwater sample analytical data is reported in Tables 5 through 9. Sampling logs with information on purging and sampling of groundwater monitor wells is included in Appendix D. Figure 2 shows the location of groundwater sampling. A groundwater sample from GW-1 and GW-4 was collected using a Grundfos variable flow submersible pump and dedicated polyethylene tubing. A Horiba U-22 water quality meter was used to monitor the well flow until the readings had stabilized. Water samples were collected after stabilization.

Soil Vapor Sampling

Four soil vapor probes were installed and four soil vapor samples plus one ambient air sample was collected for chemical analysis during this RI. Soil vapor sampling locations are shown in Figure 1. Soil vapor sample collection analytical data is reported in Table 10. Soil vapor sampling logs are included in Appendix G. Methodologies used for soil vapor assessment conform to the *NYS DOH Final Guidance on Soil Vapor Intrusion, October 2006.* The soil vapor probes were installed at a depth between three and nine feet as specified in the work plan. The samples were collected at a flow rate of approximately 0.05 liters per minute.

Chemical Analysis

Chemical analytical work presented in this RIR has been performed in the following manner:

Factor	**Description**
QA Officer	The chemical analytical quality assurance is directed by Nicholas Recchia
Chemical Analytical Laboratory	The analytical laboratory used in the RI was EcoTest Laboratory, 377 Sheffield Avenue, North Babylon, NY 11703. ELAP certified #10320.
Chemical Analytical Methods	Soil analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Groundwater analytical methods: • TAL Metals by EPA Method 6010C (rev. 2007); • VOCs by EPA Method 8260C (rev. 2006); • SVOCs by EPA Method 8270D (rev. 2007); • Pesticides by EPA Method 8081B (rev. 2000); • PCBs by EPA Method 8082A (rev. 2000); Soil vapor analytical methods: • VOCs by TO-15 VOC parameters..

Results of Chemical Analyses

Laboratory data for soil, groundwater and soil vapor are summarized in Table 1 through 10, respectively. Laboratory data deliverables for all samples evaluated in this RIR are provided in digital form in Appendices E, F, & G.

5.0 ENVIRONMENTAL EVALUATION

5.1 GEOLOGICAL AND HYDROGEOLOGICAL CONDITIONS

Stratigraphy

Subsurface soil at the site consisted of glacially deposited silts and sands with inter-bedded layers of clayey silts. Lenses of coarse to medium sands were observed during the installation of the monitoring wells. Limited surficial urban fill was observed in several of the borings and consisted of red brick and concrete rubble.

Hydrogeology

Groundwater was encountered approximately 70 feet below grade. Regional groundwater flow was not determined, but is presumed to flow west toward the Arthur Kill.

5.2 SOIL CHEMISTRY

A summary table of data for the chemical analyses on the soil samples is included in Tables 1 through 4. Results were compared to the NYSDEC restricted and unrestricted residential soil cleanup objectives (SCOs) as presented in part 375-6.8 (a & b). A complete copy of the laboratory data report is provided in Appendix E.

Soil/fill samples collected during the RI detected no volatile organic compounds (VOCs) and PCBs in any of the samples analyzed. Low levels of pesticides in shallow soils (0-2 ft.) were detected and included DDE at a maximum concentration of 11 ppb and DDT was detected at a maximum concentration of 4.8 ppb. The Unrestricted Use Soil Cleanup Objective (SCO) for DDE and DDT is 3.3 ppb. Numerous Semi Volatile Organic Compounds (SVOCs) were observed in low concentrations in the surficial (0-2') samples analyzed. None of the samples had results above the unrestricted use SCOs. The shallow distribution of the SVOC compounds is typical of urban fill. No SVOC compounds were observed in the deeper samples collected. All detected metals were below the unrestricted use SCOs except for copper (140 ppm) at 0-2 ft and Selenium (at 6.7 ppm) at 12-14 ft. The unrestricted use SCO for selenium is 3.9 ppm.

The RI did not reveal any contaminant source areas on the property.

Data collected during the RI is sufficient to delineate the vertical and horizontal distribution of contaminants in soil/fill at the Site. A summary table of data for chemical analyses performed on soil samples is included in Tables 1 through 4. There were no soil analytical results that exceeded the 6NYCRR Part 375-6.8 Track 2 (Commercial Use) Soil Cleanup Objectives.

5.3 GROUNDWATER CHEMISTRY

A summary table of data for the chemical analyses on the water samples is included in Tables 5 through 9. Results were compared to the NYSDEC TOGS 1.1.1 Groundwater Quality Standards (GQS). A complete copy of the laboratory data report is provided in Appendix F.

Groundwater samples collected during the RI indicated that Pesticides and PCBs were not detected in groundwater. One volatile organic compound, chloroform was detected in all samples at a maximum concentration of 12 ppb (GQS is 7 ppb). One semi volatile organic compound, Bis(2-ethylhexyl)phthalate was observed at 4 ppb. Unfiltered metals included iron, manganese and sodium. Dissolved metals above GQS included manganese and sodium. These metals are believed to be naturally occurring and associated with regional groundwater quality and not influenced by the property.

Groundwater is not used as a drinking water resource on Staten Island. Drinking water is delivered through the City of New York water supply systems from upstate reservoirs and the metals observed in the groundwater is not anticipated to hinder the development of this site.

Data collected during the RI is sufficient to delineate the distribution of contaminants in groundwater at the Site. A summary table of data for chemical analyses performed on groundwater samples is included in Tables 5 through 9. Exceedence of applicable groundwater standards for each compound or analyte are shown as bold with shading.

5.4 SOIL VAPOR CHEMISTRY

Four soil vapor samples and one outdoor ambient air sample was collected during this RI. Seven volatile organic compounds were detected in the soil vapor samples. The results are shown as parts per billion by volume (ppbv) and ug/m^3 in Table 10 and were compared to the NYS DOH soil vapor guidance matrix. A complete copy of the laboratory data is provided in Appendix G.

Soil vapor samples collected during the RI showed low concentrations of acetone (737 ug/m^3), benzene (4.4 ug/m^3), carbon disulfide (21.4 ug/m^3), cyclohexane (3.7 ug/m^3), hexane (12.7 ug/m^3), toluene (32 ug/m^3), and triclorofluoromethane (61 ug/m^3). None of these compounds were observed in concentrations governed under the NYSDODH Soil Vapor Guidance.

No volatile organic compounds were detected in the outdoor ambient air sample.

These results are below any requirements for monitoring as specified in the NYSDOH Final Guidance on Soil Vapor Intrusion (2006) values. No additional testing is recommended.

Data collected during the RI is sufficient to delineate the distribution of contaminants in soil vapor at the Site. A summary table of data for chemical analyses performed on soil vapor samples is included in Table number10.

5.5 PRIOR ACTIVITY

Based on an evaluation of the data and information from the RIR, disposal of significant amounts of hazardous waste is not suspected at this site.

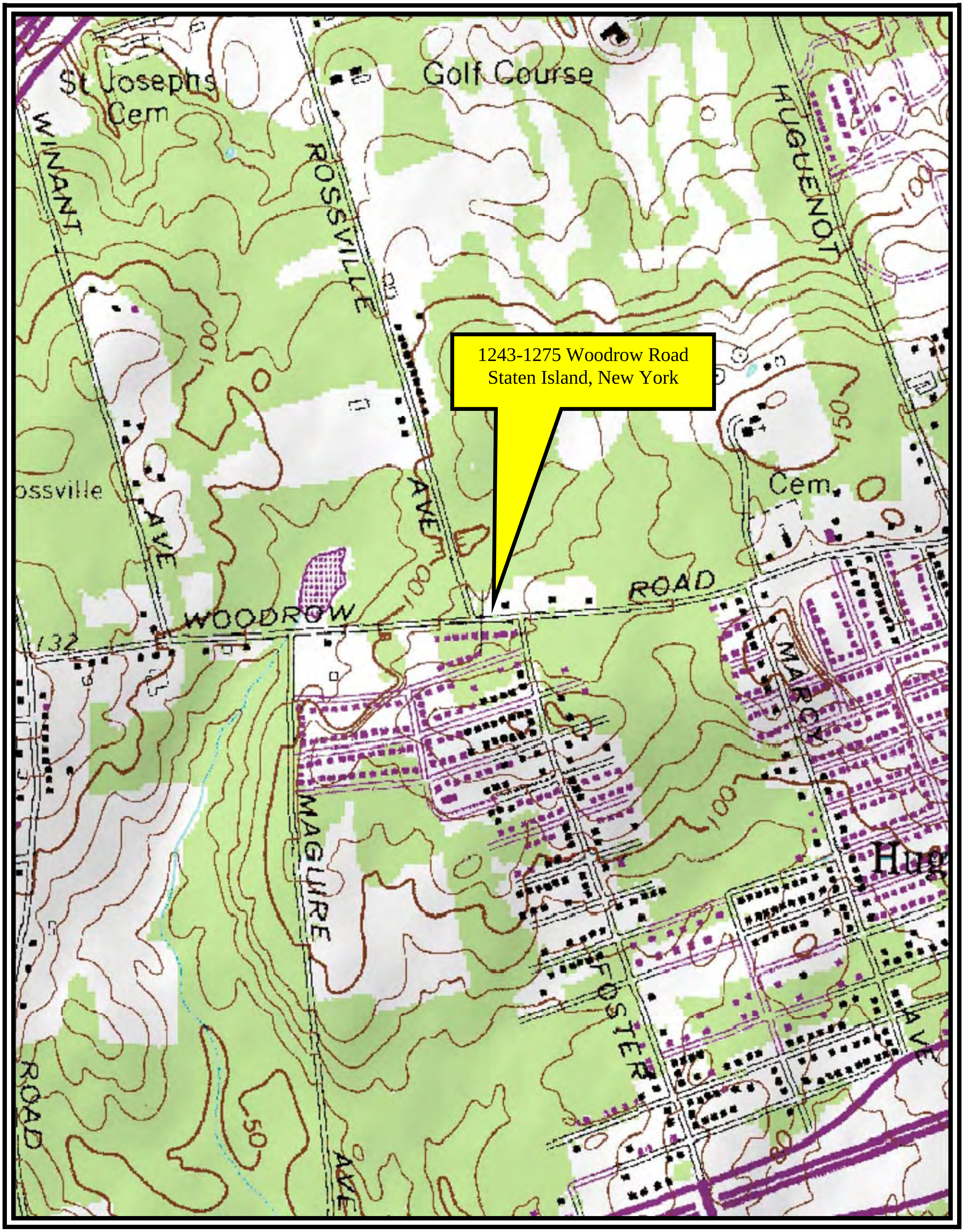
5.6 IMPEDIMENTS TO REMEDIAL ACTION

There are no known impediments to remedial action at this property.

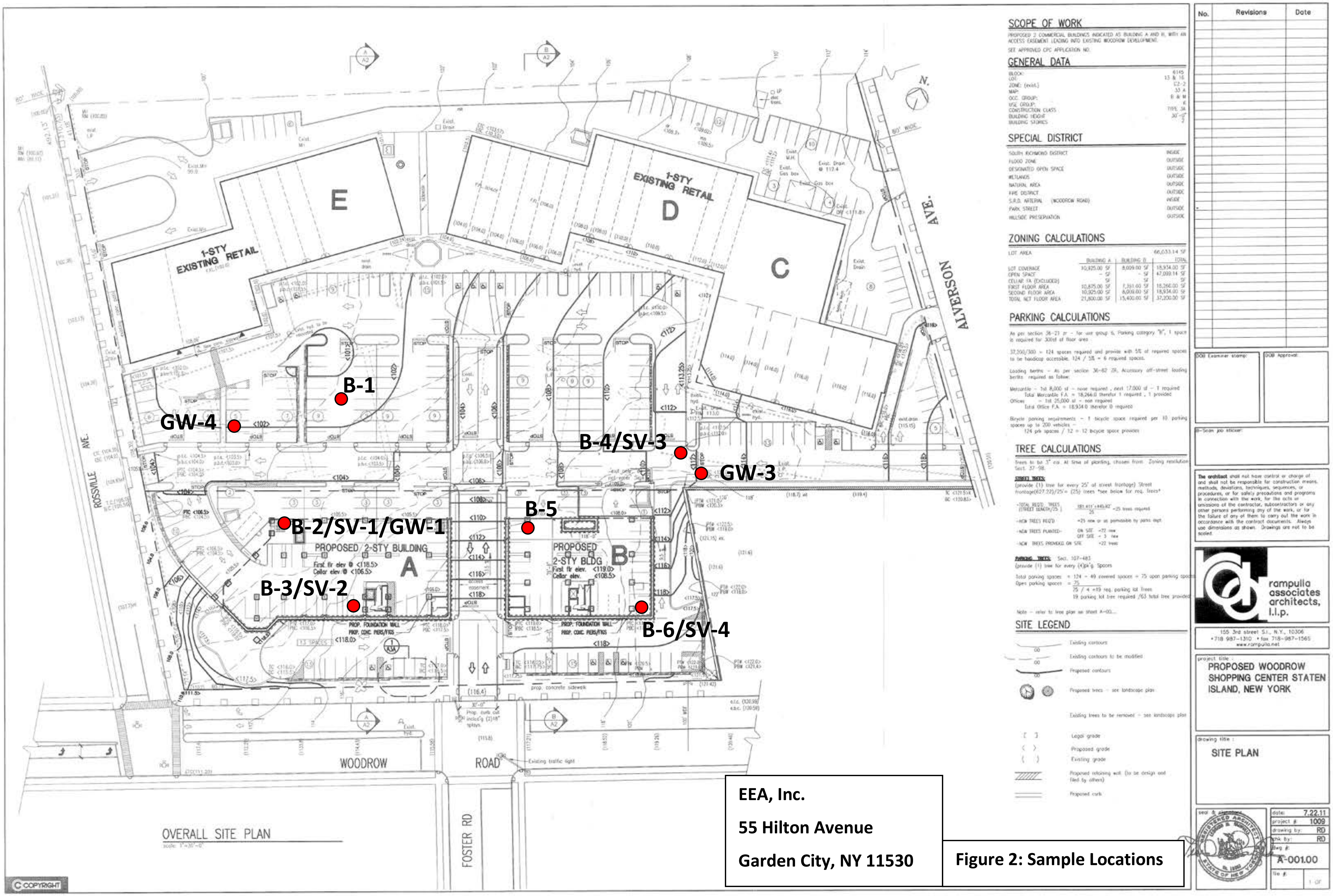
Site-Specific Standards, Criteria and Guidance

- 6 NYCRR Part 371 - Identification and Listing of Hazardous Wastes
- 6 NYCRR Part 375 - Inactive Hazardous Waste Disposal Sites
- 6 NYCRR Parts 700-706 - Water Quality Standards (June 1998)
- STARS #1 - Petroleum-Contaminated Soil Guidance Policy
- TOGS 1.1.1 - Ambient Water Quality Standards & Guidance Values and Groundwater Effluent Limitations
- Fish and Wildlife Impact Analysis for Inactive Hazardous Waste Sites (October 1994)
- Technical Guidance for Screening Contaminated Sediments (January 1999)
- NYSDOH Indoor Air Sampling & Analysis Guidance (August 8, 2001 or subsequent update)
- NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (draft October 2004 or subsequent final draft)
- DER Interim Strategy for Groundwater Remediation at Contaminated Sites in New York State
- 6 NYCRR Part 612 - Registration of Petroleum Storage Facilities (February 1992)
- 6 NYCRR Part 613 - Handling and Storage of Petroleum (February 1992)
- 6 NYCRR Part 614 - Standards for New and Substantially Modified Petroleum Storage Tanks (February 1992)
- 40 CFR Part 280 - Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks

Figures



Subject Property Location
USGS Topographic Map (Arthur Kill Quad) *Figure 1*



EEA, Inc.

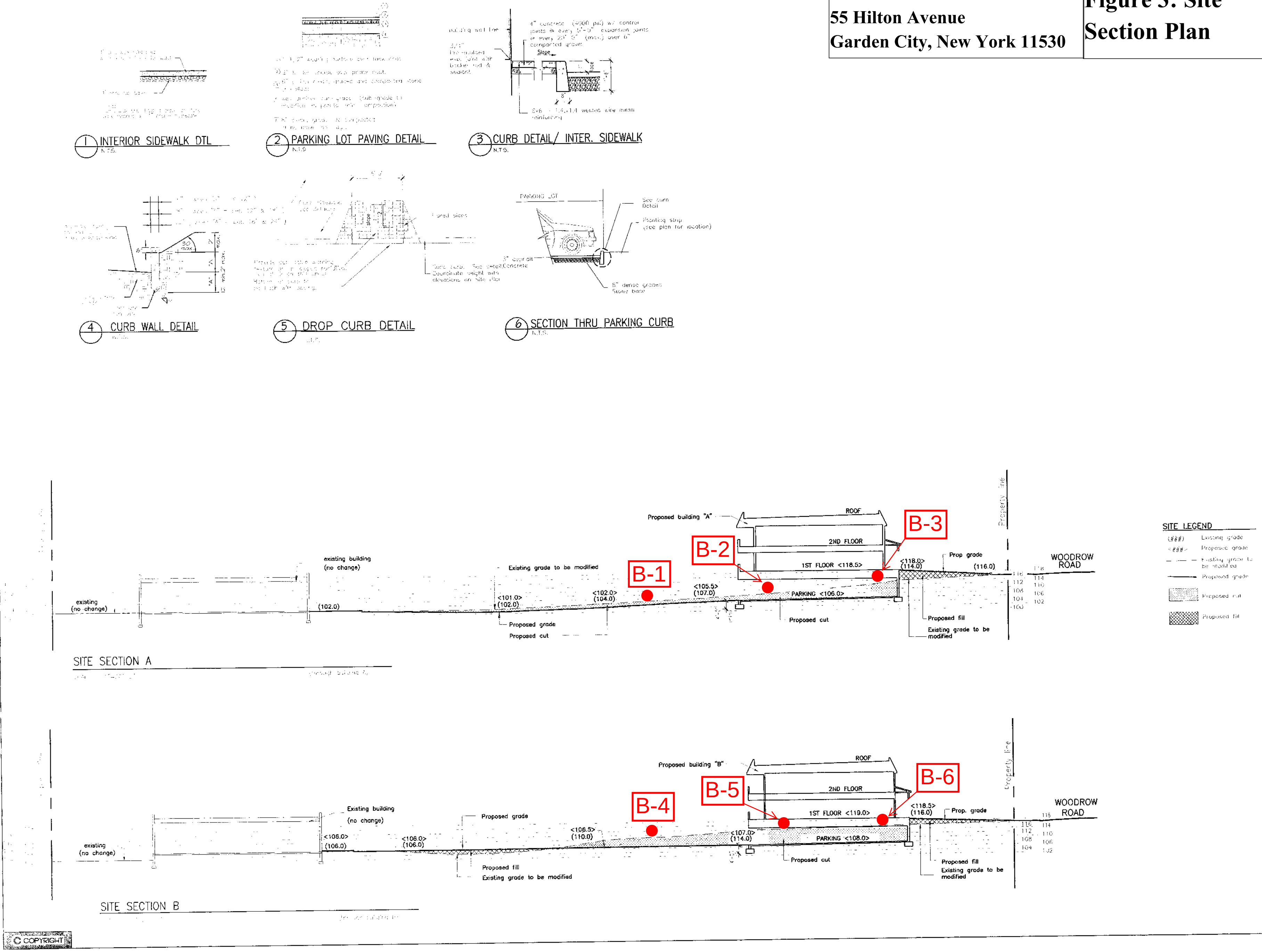
55 Hilton Avenue

Garden City, NY 11530

Figure 2: Sample Locations

EEA Inc.
55 Hilton Avenue
Garden City, New York 11530

Figure 3: Site Section Plan



No.	Revisions	Date

DOB Examiner stamp:

DOB Approval:

B-Scan job sticker:

The architect shall not have control or charge of and shall not be responsible for construction means, methods, deviations, techniques, sequences, or procedures, or for safety precautions and programs in connection with the work, for the acts or omissions of the contractor, subcontractors or any other persons performing any of the work, or for the failure of any of them to carry out the work in accordance with the contract documents. Always use dimensions as shown. Drawings are not to be scaled.

rampulla associates architects, l.l.p.
155 3rd street S.I., N.Y., 10306
• 718 987-1310 • fax 718-987-1565
www.rampulla.net

project title :
PROPOSED WOODROW SHOPPING CENTER STATEN ISLAND, NEW YORK

drawing title :
SITE SECTION & DETAILS

seal & signature

date: 7.22.11
project #: 1009
drawing by: RD
chk by: RD

A-002.00

Chain of Custody

ECOTEST LABORATORIES, INC. • ENVIRONMENTAL TESTING
377 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

12 + 13

CHAIN OF CUSTODY RECORD

120400
+
120401

Client: EEA INC
Address: 55 Hilton Ave
Garden City, NY
Phone: 516 746 4400 FAX: 516 746 4432
Person receiving report: J. Shelkey
Sampled by: J Shelkey
Source: Woodrow Road, S.I. NY
Job No.: #10719

TYPE & NUMBER OF CONTAINERS

MATRIX (Soil, Water, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	VOC 8260	SVOC 8270 B/N/A	Pest/PCB 8081/8082	TAL METALS	HOLD - DO NOT ANALYZE					QC Pkg Type (If Required)	Accelerated Turnaround Date Required	REMARKS-TESTS REQUIRED
Soil	2/1		B-1 0-2'	3	✓	✓	✓	✓								
Soil	2/1		B-1 5-6'	3					✓							
Soil	2/1		B-1 10-12'	3	✓	✓	✓	✓								
Soil	2/1		B-2 0-2'	3	✓	✓	✓	✓								
Soil	2/1		B-2 3-4'	3					✓							
Soil	2/1		B-2 6-8'	3	✓	✓	✓	✓								
Soil	2/1		B-3 0-2'	3	✓	✓	✓	✓								
Soil	2/1		B-3 4-5'	3					✓							
Soil	2/1		B-3 8-10'	3	✓	✓	✓	✓								
Soil	2/1		B-4 0-2'	3	✓	✓	✓	✓								
Soil	2/1		B-4 5-6'	3					✓							
Soil	2/1		B-4 10-12'	3	✓	✓	✓	✓								
Soil	2/1		B-5 0-2'	3	✓	✓	✓	✓								4.0°C
Soil	2/1		B-5 5.5-6.5'	3					✓							
Soil	2/1		B-5 11-13'	3	✓	✓	✓	✓								

Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)	Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)
J. B. Shelkey Representing: EEA	2/2 1530	YES NO NA	Representing: Ecotest	Representing:		YES NO NA	Representing:
Relinquished by: (Signature) Representing:	DATE/TIME	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:	Relinquished by: (Signature) Representing:	DATE/TIME	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:

ECOTEST LABORATORIES, INC. • ENVIRONMENTAL TESTING
377 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

~~14 + 15~~ 12 + 13

CHAIN OF CUSTODY RECORD

~~120402~~ + ~~120403~~

120400 + 120401

Client: EEA INC
Address: 55 Hilton Ave
Garden City, NY 11530
Phone: 516 746-4400 FAX: 516 746-4432
Person receiving report: J. Shelkey
Sampled by: J. Shelkey
Source: Woodrow Rd, S.I. NY
Job No.: 10719

TYPE & NUMBER OF CONTAINERS

MATRIX (Soil, Water, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	VOC 8260	SVOC 8270 B/N/A	PEST/PCB 8081/8082	TAL METALS	HOLD - DO NOT ANALYZE	TO-15 + He					QC Pkg Type (If Required)	Accelerated Turnaround Date Required	REMARKS-TESTS REQUIRED
Soil	2/1		B-6 0-2'	3	✓	✓	✓	✓									
Soil	2/1		B-6 6-7'	3					✓								
Soil	2/1		B-6 12-14	3	✓	✓	✓	✓									
Soil	2/1		MS/MSD B-4 10-12'	3	✓	✓	✓	✓									
Soil	2/1		FIELD DUP ~~B-5~~ B-26	3	✓	✓	✓	✓									
~~AIR~~	2/1		~~SUMMA SV-1~~ BS						~~✓~~	✓ BS							
			~~SUMMA SV-2~~ BS							✓ BS							
			~~SUMMA SV-3~~ BS							✓ BS							
			~~SUMMA SV-4~~ BS							✓ BS							
			~~SUMMA Ambient AIR~~ BS							✓ BS							
																	4.0°C

Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)	Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)
J B Shelkey Representing: EEA	2/2 1500	YES NO NA	[signature] Representing: Ecotest	 Representing:		YES NO NA	 Representing:
Relinquished by: (Signature) Representing:	DATE/TIME	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:	Relinquished by: (Signature) Representing:	DATE/TIME	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:

7

120513

ECOTEST LABORATORIES INC.

377 Sheffield Ave.
North Babylon, NY 11703
tel. 631-422-5777, fax 631-422-5770, Email ECOTESTLAB@aol.com

CANISTER SAMPLING DATA SHEET

CANISTER SERIAL NO. | SAMPLE TRAIN SERIAL NO. | **FLOW**

EcoTest 29 | 16 | 43.1cc/min

This above referenced Summa can and sample train was received in good condition.

DATE: 2/8/2012
CLIENT: EEA
CLIENTS AGENT (print):
SIGNED: [signature]

Client agrees to pay all replacement costs associated with loss or damage of canist train. Client acknowledges that this canister is valid for a maximum of 30 days from the date of evacuation. Client is responsibe for any vacuum loss or contamination while in clients custody.

VAC leaving EcoTest: 29" Hg PERSON RECEIVING REPORT: J. Shelkey
Date Evacuated: 2/8/2012 ANALYSIS: TO 15 + He
VAC/PRES returned EcoTest: -2.5" Hg 0.0"Hg TAT:

CANISTER SERIAL NO. 29
SAMPLE TRAIN SERIAL NO. 16
RETURNED IN GOOD CONDITION TO ECOTEST LABORATORIES INC.
DATE: 2/10/12

SIGNED: [signature] **for ECOTEST LABS.**

ALL INFORMATION BELOW MUST BE PROVIDED BY CLIENT:

CLIENT	~~WOOD~~ EEA INC	**SAMPLE TYPE**	
SOURCE	Woodview Road	**CHECK ONE**	
SAMPLE	SV-2	AMBIENT AIR	
DATE SAMPLED	9 Feb 2012	SUB SLAB VAPOR	
TIME SAMPLING STARTED:	0930	VAPOR WELL	✓
TIME SAMPLING FINISHED:	1200	SVE SYSTEM	
TEMPERATURE SAMPLING STARTED:	30°F	**EXPECTED CONC**	
TEMPERATURE SAMPLING FINISHED:	35°F	**CHECK ONE**	
DATE:	9 Feb 2012	LOW	✓
CLIENT:	EEA Woodview Road	MEDIUM	
CLIENTS AGENT:	EEA	HIGH	

RELINQUISHED BY: J. Shelkey DATE/TIME:
RECEIVED BY: [signature] DATE/TIME: 2/10/12 13:18
RELINQUISHED BY: DATE/TIME:
RECEIVED BY: DATE/TIME:

120513

1

120402.01

ECOTEST LABORATORIES INC.

377 Sheffield Ave.
North Babylon, NY 11703
tel. 631-422-5777, fax 631-422-5770, Email ECOTESTLAB@aol.com

CANISTER SAMPLING DATA SHEET

CANISTER SERIAL NO. EcoTest 45

SAMPLE TRAIN SERIAL NO. 4

FLOW 42.3cc/min

This above referenced Summa can and sample train was received in good condition

DATE: 2/1/2012

CLIENT: EEA

CLIENTS AGENT (print):

SIGNED: J Shelley

Picked up from TP's bs by EEA 1/30

Client agrees to pay all replacement costs associated with loss or damage of canist train. Client acknowledges that this canister is valid for a maximum of 30 days from the date of evacuation. Client is responsibe for any vacuum loss or contamination while in clients custody.

VAC leaving EcoTest: 29" Hg

Date Evacuated: 1/30/2012

VAC/PRES returned EcoTest: 0.0" Hg

PERSON RECEIVING REPORT:

ANALYSIS: TO 15 + He

TAT: ~~TO~~ 15 + He STd.

CANISTER SERIAL NO. 45

SAMPLE TRAIN SERIAL NO. 4

RETURNED IN GOOD CONDITION TO ECOTEST LABORATORIES INC.

DATE: 2/2/12

SIGNED: [signature] **for ECOTEST LABS.**

ALL INFORMATION BELOW MUST BE PROVIDED BY CLIENT:

CLIENT EEA

SOURCE Woodward Rd ~~SV~~

SAMPLE SV-1

DATE SAMPLED 2/1/12

TIME SAMPLING STARTED: 1309

TIME SAMPLING FINISHED: 1540

TEMPERATURE SAMPLING STARTED: 54° F

TEMPERATURE SAMPLING FINISHED: 54° F

DATE: 2/1/12

CLIENT: EEA

CLIENTS AGENT: J. Shelley

SAMPLE TYPE CHECK ONE	
AMBIENT AIR	
SUB SLAB VAPOR	
VAPOR WELL	✓
SVE SYSTEM	

EXPECTED CONC CHECK ONE	
LOW	✓
MEDIUM	
HIGH	

RELINQUISHED BY: J Shelley DATE/TIME:

RECEIVED BY: [signature] DATE/TIME: 2/2/12 15:30

RELINQUISHED BY: DATE/TIME:

RECEIVED BY: DATE/TIME:

1

120402.02

ECOTEST LABORATORIES INC.

377 Sheffield Ave.
North Babylon, NY 11703
tel. 631-422-5777, fax 631-422-5770, Email ECOTESTLAB@aol.com

CANISTER SAMPLING DATA SHEET

CANISTER SERIAL NO. EcoTest 54

SAMPLE TRAIN SERIAL NO. 63

FLOW 42.3cc/min

This above referenced Summa can and sample train was received in good condition

DATE: 2/1/2012

CLIENT: EEA

CLIENTS AGENT (print):

SIGNED:

Picked up from TPs, HS by EEA 1/30

Client agrees to pay all replacement costs associated with loss or damage of canist train. Client acknowledges that this canister is valid for a maximum of 30 days from the date of evacuation. Client is responsibe for any vacuum loss or contamination while in clients custody.

VAC leaving EcoTest: 29" Hg

Date Evacuated: 1/30/2012

VAC/PRES returned EcoTest: -4" HG 3.5"Hg

PERSON RECEIVING REPORT:

ANALYSIS: TO 15 +HE

TAT:

CANISTER SERIAL NO. 54

SAMPLE TRAIN SERIAL NO. 63

RETURNED IN GOOD CONDITION TO ECOTEST LABORATORIES INC.

DATE: 2/12/12

SIGNED: [signature] **for ECOTEST LABS.**

ALL INFORMATION BELOW MUST BE PROVIDED BY CLIENT:

CLIENT	EEA
SOURCE	Woodview Road
SAMPLE	SV-3
DATE SAMPLED	1 Feb 2012
TIME SAMPLING STARTED:	~~1450~~ 1500
TIME SAMPLING FINISHED:	~~1319~~ 1640
TEMPERATURE SAMPLING STARTED:	52°F
TEMPERATURE SAMPLING FINISHED:	52°F
DATE:	2/1/12
CLIENT:	EEA
CLIENTS AGENT:	J. Shelley

SAMPLE TYPE CHECK ONE	
AMBIENT AIR	
SUB SLAB VAPOR	
VAPOR WELL	✓
SVE SYSTEM	

EXPECTED CONC CHECK ONE	
LOW	✓
MEDIUM	
HIGH	

RELINQUISHED BY: J B Shelley DATE/TIME:

RECEIVED BY: DATE/TIME:

RELINQUISHED BY: DATE/TIME:

RECEIVED BY: DATE/TIME:

16

120402.04

ECOTEST LABORATORIES INC.

377 Sheffield Ave.
North Babylon, NY 11703
tel. 631-422-5777, fax 631-422-5770, Email ECOTESTLAB@aol.com

CANISTER SAMPLING DATA SHEET

CANISTER SERIAL NO. EcoTest 51

SAMPLE TRAIN SERIAL NO. 60

FLOW 42.3cc/min

This above referenced Summa can and sample train was received in good condition

DATE: 2/1/2012
CLIENT: EEA
CLIENTS AGENT (print):
SIGNED: [signature]

Picked up from TP - 1/30

Client agrees to pay all replacement costs associated with loss or damage of canist train. Client acknowledges that this canister is valid for a maximum of 30 days from the date of evacuation. Client is responsibe for any vacuum loss or contamination while in clients custody.

VAC leaving EcoTest: 29" Hg
Date Evacuated: 1/30/2012
VAC/PRES returned EcoTest: -4" HG 0.3"Hg

PERSON RECEIVING REPORT:
ANALYSIS:
TAT: TO 15 + HE

CANISTER SERIAL NO. 51
SAMPLE TRAIN SERIAL NO. 60
RETURNED IN GOOD CONDITION TO ECOTEST LABORATORIES INC.
DATE: 2/2/12

SIGNED: [signature] **for ECOTEST LABS.**

ALL INFORMATION BELOW MUST BE PROVIDED BY CLIENT:

CLIENT: EEA
SOURCE: SV-4
SAMPLE:
DATE SAMPLED: 1 Feb 2012
TIME SAMPLING STARTED: 1110
TIME SAMPLING FINISHED: 1320
TEMPERATURE SAMPLING STARTED: 55°F
TEMPERATURE SAMPLING FINISHED:
DATE: 1 Feb 2012
CLIENT: EEA
CLIENTS AGENT: T Shelley

SAMPLE TYPE CHECK ONE	
AMBIENT AIR	
SUB SLAB VAPOR	
VAPOR WELL	✓
SVE SYSTEM	

EXPECTED CONC CHECK ONE	
LOW	✓
MEDIUM	
HIGH	

RELINQUISHED BY: T Shelley DATE/TIME:
RECEIVED BY: [signature] DATE/TIME: 2/2/12 15:30
RELINQUISHED BY: DATE/TIME:
RECEIVED BY: DATE/TIME:

ECOTEST LABORATORIES, INC. • ENVIRONMENTAL TESTING
377 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

CHAIN OF CUSTODY RECORD

120402
~~120404~~

Client: EEA
Address:
Phone: FAX:
Person receiving report: J. Shelh
Sampled by: J. Shelh
Source: Woodvaw Road SI
Job No.: 10719

MATRIX (Soil, Water, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	TYPE & NUMBER OF CONTAINERS: TO-15 + He										QC Pkg Type (If Required)	Accelerated Turnaround Date Required	REMARKS-TESTS REQUIRED
AIR	2/1		Summa SV-1	1	✓												
AIR	2/1		Summa SV-3	1	✓												
AIR	2/1		~~Summa SV-3~~ CANCEL	1	✓												
AIR	2/1		Summa SV-4	1	✓												
AIR	2/1		Summa Ambient-air	1													

4.0°C

Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)	Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)
[signature] Representing: EEA	2/2 1130	YES NO NA	[signature] Representing: Ecotest	Representing:		YES NO NA	Representing:
Relinquished by: (Signature) Representing:	DATE/TIME	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:	Relinquished by: (Signature) Representing:	DATE/TIME	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:

11

120401.05

ECOTEST LABORATORIES INC.

377 Sheffield Ave.
North Babylon, NY 11703
tel. 631-422-5777, fax 631-422-5770, Email ECOTESTLAB@aol.com

CANISTER SAMPLING DATA SHEET

CANISTER SERIAL NO. EcoTest 53

SAMPLE TRAIN SERIAL NO. 70

FLOW 42.3cc/min

Picked up by EEA from TP's hs 1/30

This above referenced Summa can and sample train was received in good condition

DATE: 2/1/2012

CLIENT: EEA

CLIENTS AGENT (print):

SIGNED:

Client agrees to pay all replacement costs associated with loss or damage of canist train. Client acknowledges that this canister is valid for a maximum of 30 days from the date of evacuation. Client is responsibe for any vacuum loss or contamination while in clients custody.

VAC leaving EcoTest: 29" Hg

Date Evacuated: 1/30/2012

VAC/PRES returned EcoTest: 0" Hg

PERSON RECEIVING REPORT:

ANALYSIS:

TAT:

CANISTER SERIAL NO. 53

SAMPLE TRAIN SERIAL NO. 70

RETURNED IN GOOD CONDITION TO ECOTEST LABORATORIES INC.

DATE: 2/7/12

SIGNED: [signature] **for ECOTEST LABS.**

ALL INFORMATION BELOW MUST BE PROVIDED BY CLIENT:

CLIENT EEA

SOURCE OUTDOOR AIR WINDOW 2D

SAMPLE SV-OUTDOOR

DATE SAMPLED 2/1/12

TIME SAMPLING STARTED: 1024

TIME SAMPLING FINISHED: 1250

TEMPERATURE SAMPLING STARTED: 52°F

TEMPERATURE SAMPLING FINISHED: 52°F

DATE: 2/1/12

CLIENT: EEA

CLIENTS AGENT: J B Shelly

SAMPLE TYPE CHECK ONE	OUTDOOR
AMBIENT AIR	✓
SUB SLAB VAPOR	
VAPOR WELL	
SVE SYSTEM	

EXPECTED CONC CHECK ONE	
LOW	✓
MEDIUM	
HIGH	

RELINQUISHED BY: JB Shelly DATE/TIME:

RECEIVED BY: DATE/TIME:

RELINQUISHED BY: DATE/TIME:

RECEIVED BY: DATE/TIME:

Tables

Table 1

Soil Samples Volatile Organic Analytical Results

1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	B-1, 0-2ft	B-1, 10-12ft	B-2, 0-2ft	B-2, 6-8ft	B-3, 0-2ft	B-3, 10-12ft	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYSDEC Brownfield's Part 375-6.8(b) Residential Use Soil Cleanup Objectives
Boring Number	B-1	B-1	B-2	B-2	B-3	B-3		
Sample Date	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012		
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		
Volatile Organic Compounds (µg/kg) - EPA Method 8260								
1,1 Dichloroethane	<6	<6	<6.8	<5.5	<6	<5.7	270	19,000
1,1 Dichloroethene	<6	<6	<6.8	<5.5	<6	<5.7	330	100,000
1,1-Dichloropropene	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
1,2 Dibromoethane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
1,2 Dichlorobenzene (v)	<6	<6	<6.8	<5.5	<6	<5.7	1,100	1,100
1,2 Dichloroethane	<6	<6	<6.8	<5.5	<6	<5.7	20	2,300
1,2 Dichloropropane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
1,3 Dichlorobenzene (v)	<6	<6	<6.8	<5.5	<6	<5.7	2,400	17,000
1,3-Dichloropropane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
1,4 Dichlorobenzene (v)	<6	<6	<6.8	<5.5	<6	<5.7	1,800	9,800
111 Trichloroethane	<6	<6	<6.8	<5.5	<6	<5.7	680	100,000
1112Tetrachloroethane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
112 Trichloroethane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
1122Tetrachloroethane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
123-Trichlorobenzene	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
123-Trichloropropane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
124-Trichlorobenzene (v)	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
124-Trimethylbenzene	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
1245 Tetramethylbenz	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
135-Trimethylbenzene	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
2,2-Dichloropropane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
2-Chlorotoluene	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
4-Chlorotoluene	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
Acetone	<60	<60	<68	<55	<60	<57	50	100,000
Benzene	<6	<6	<6.8	<5.5	<6	<5.7	60	2,900
Bromobenzene	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
Bromochloromethane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
Bromodichloromethane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
Bromoform	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
Bromomethane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
c-1,2-Dichloroethene	<6	<6	<6.8	<5.5	<6	<5.7	250	59,000
c-1,3Dichloropropene	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
Carbon Tetrachloride	<6	<6	<6.8	<5.5	<6	<5.7	760	1,400
Chlorobenzene	<6	<6	<6.8	<5.5	<6	<5.7	1,100	100,000
Chlorodibromomethane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
Chlorodifluoromethane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
Chloroethane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
Chloroform	<6	<6	<6.8	<5.5	<6	<5.7	370	100,000
Chloromethane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
Dibromochloropropane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS

Table 1 (Cont'd)
Soil Samples Volatile Organic Analytical Results
1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	B-1, 0-2ft	B-1, 10-12ft	B-2, 0-2ft	B-2, 6-8ft	B-3, 0-2ft	B-3, 10-12ft	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYSDEC Brownfield's Part 375-6.8(b) Residential Use Soil Cleanup Objectives
Boring Number	B-1	B-1	B-2	B-2	B-3	B-3		
Sample Date	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012		
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		
Volatile Organic Compounds (μg/kg) - EPA Method 8260								
Dibromomethane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
Dichlorodifluoromethane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
Ethyl Benzene	<6	<6	<6.8	<5.5	<6	<5.7	1000	30000
Freon 113	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
Hexachlorobutadiene	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
Isopropylbenzene	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
m + p Xylene	<12	<12	<14	<11	<12	<11	260	100,000
Methyl Ethyl Ketone	<60	<60	<68	<55	<60	<57	120	100,000
Methylene Chloride	<6	<6	<6.8	<5.5	<6	<5.7	50	51,000
Methylisobutylketone	<60	<60	<68	<55	<60	<57	NS	NS
n-Butylbenzene	<6	<6	<6.8	<5.5	<6	<5.7	12,000	100,000
n-Propylbenzene	<6	<6	<6.8	<5.5	<6	<5.7	3,900	100,000
Naphthalene(v)	<6	<6	<6.8	<5.5	<6	<5.7	12,000	100,000
o Xylene	<6	<6	<6.8	<5.5	<6	<5.7	NS	100,000
p Diethylbenzene	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
p-Ethyltoluene	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
p-Isopropyltoluene	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
sec-Butylbenzene	<6	<6	<6.8	<5.5	<6	<5.7	11,000	100,000
Styrene	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
t-1,2-Dichloroethene	<6	<6	<6.8	<5.5	<6	<5.7	190	100,000
t-1,3Dichloropropene	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
ter.ButylMethylEther	<6	<6	<6.8	<5.5	<6	<5.7	930	62,000
tert-Butylbenzene	<6	<6	<6.8	<5.5	<6	<5.7	5,900	100,000
Tetrachloroethene	<6	<6	<6.8	<5.5	<6	<5.7	1,300	5,500
Toluene	<6	<6	<6.8	<5.5	<6	<5.7	700	100,000
Trichloroethene	<6	<6	<6.8	<5.5	<6	<5.7	470	10,000
Trichlorofluoromethane	<6	<6	<6.8	<5.5	<6	<5.7	NS	NS
Vinyl Chloride	<6	<6	<6.8	<5.5	<6	<5.7	20	210

NS : No Standard
ug/kg…micrograms per kilogram
Bold values indicate concentrations exceediNS laboratory method detection limits.

Table 1 (Cont'd)

Soil Samples Volatile Organic Analytical Results

1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	B-4 0-2ft	B-4 10-12ft	B-5 0-2ft	B-5 11-13ft	B-6 0-2ft	B-6 12-14ft	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYSDEC Brownfield's Part 375-6.8(b) Residential Use Soil Cleanup Objectives
Boring Number	B-4	B-4	B-5	B-5	B-6	B-6		
Sample Date	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012		
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		
Volatile Organic Compounds (µg/kg) - EPA Method 8260								
1,1 Dichloroethane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	270	19,000
1,1 Dichloroethene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	330	100,000
1,1-Dichloropropene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
1,2 Dibromoethane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
1,2 Dichlorobenzene (v)	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	1,100	1,100
1,2 Dichloroethane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	20	2,300
1,2 Dichloropropane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
1,3 Dichlorobenzene (v)	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	2,400	17,000
1,3-Dichloropropane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
1,4 Dichlorobenzene (v)	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	1,800	9,800
111 Trichloroethane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	680	100,000
1112Tetrachloroethane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
112 Trichloroethane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
1122Tetrachloroethane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
123-Trichlorobenzene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
123-Trichloropropane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
124-Trichlorobenzene (v)	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
124-Trimethylbenzene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
1245 Tetramethylbenz	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
135-Trimethylbenzene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
2,2-Dichloropropane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
2-Chlorotoluene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
4-Chlorotoluene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
Acetone	<57	<53	<62	<59	<57	<57	50	100,000
Benzene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	60	2,900
Bromobenzene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
Bromochloromethane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
Bromodichloromethane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
Bromoform	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
Bromomethane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
c-1,2-Dichloroethene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	250	59,000
c-1,3Dichloropropene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
Carbon Tetrachloride	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	760	1,400
Chlorobenzene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	1,100	100,000
Chlorodibromomethane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
Chlorodifluoromethane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
Chloroethane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
Chloroform	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	370	100,000
Chloromethane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
Dibromochloropropane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS

Table 1 (Cont'd)
Soil Samples Volatile Organic Analytical Results
1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	B-4 0-2ft	B-4 10-12ft	B-5 0-2ft	B-5 11-13ft	B-6 0-2ft	B-6 12-14ft	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYSDEC Brownfield's Part 375-6.8(b) Residential Use Soil Cleanup Objectives
Boring Number	B-4	B-4	B-5	B-5	B-6	B-6		
Sample Date	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012		
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		
Volatile Organic Compounds (µg/kg) - EPA Method 8260								
Dibromomethane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
Dichlorodifluoromethane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
Ethyl Benzene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	1000	30000
Freon 113	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
Hexachlorobutadiene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
Isopropylbenzene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
m + p Xylene	<11	<11	<12	<12	<11	<11	260	100,000
Methyl Ethyl Ketone	<57	<53	<62	<59	<57	<57	120	100,000
Methylene Chloride	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	50	51,000
Methylisobutylketone	<57	<53	<62	<59	<57	<57	NS	NS
n-Butylbenzene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	12,000	100,000
n-Propylbenzene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	3,900	100,000
Naphthalene(v)	<5.7	**<5.3**	<6.2	<5.9	<5.7	<5.7	12,000	100,000
o Xylene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	100,000
p Diethylbenzene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
p-Ethyltoluene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
p-Isopropyltoluene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
sec-Butylbenzene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	11,000	100,000
Styrene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
t-1,2-Dichloroethene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	190	100,000
t-1,3Dichloropropene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
ter.ButylMethylEther	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	930	62,000
tert-Butylbenzene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	5,900	100,000
Tetrachloroethene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	1,300	5,500
Toluene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	700	100,000
Trichloroethene	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	470	10,000
Trichlorofluoromethane	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	NS	NS
Vinyl Chloride	<5.7	<5.3	<6.2	<5.9	<5.7	<5.7	20	210

NS : No Standard
ug/kg…micrograms per kilogram
Bold values indicate concentrations exceediNS laboratory method detection limits.

Table 2

Soil Samples Semi-Volatile Organic Analytical Results

1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	B-1, 0-2ft	B-1, 10-12ft	B-2, 0-2ft	B-2, 6-8ft	B-3, 0-2ft	B-3, 10-12ft	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYSDEC Brownfield's Part 375-6.8(b) Residential Use Soil Cleanup Objectives
Boring Number	B-1	B-1	B-2	B-2	B-3	B-3		
Sample Date	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012		
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		
Semi-Volatile Organic Compounds (µg/kg) - EPA Method 8270								
1,2 Dichlorobenzene(sv)	<36	<36	<41	<33	<36	<34	NS	NS
1,3 Dichlorobenzene(sv)	<36	<36	<41	<33	<36	<34	NS	NS
1,4 Dichlorobenzene(sv)	<36	<36	<41	<33	<36	<34	NS	NS
124-Trichlorobenzene (sv)	<36	<36	<41	<33	<36	<34	NS	NS
2,4-Dinitrotoluene	<36	<36	<41	<33	<36	<34	NS	NS
2,6-Dinitrotoluene	<36	<36	<41	<33	<36	<34	NS	NS
2-Chloronaphthalene	<36	<36	<41	<33	<36	<34	NS	NS
2-Methylnaphthalene	<36	<36	<41	<33	**36**	<34	NS	NS
2-Nitroaniline	<36	<36	<41	<33	<36	<34	NS	NS
3,3'-Dichlorobenzidine	<360	<360	<410	<330	<360	<340	NS	NS
3-Nitroaniline	<36	<36	<41	<33	<36	<34	NS	NS
4-Bromophenyl phenyl ether	<36	<36	<41	<33	<36	<34	NS	NS
4-Chloroaniline	<36	<36	<41	<33	<36	<34	NS	NS
4-Chlorophenyl phenyl ether	<36	<36	<41	<33	<36	<34	NS	NS
4-Nitroaniline	<36	<36	<41	<33	<36	<34	NS	NS
Acenaphthene	<36	<36	<41	<33	<36	<34	20,000	100,000
Acenaphthylene	<36	<36	<41	<33	**61**	<34	100,000	100,000
Anthracene	**64**	<36	<41	<33	<36	<34	100,000	100,000
Benzo(a)anthracene	**260**	<36	**160**	<33	**290**	<34	1,000	1,000
Benzo(a)pyrene	**210**	<36	**150**	<33	**280**	<34	1,000	1,000
Benzo(b)fluoranthene	**240**	<36	**160**	<33	**430**	<34	1,000	1,000
Benzo(ghi)perylene	**100**	<36	**63**	<33	**130**	<34	100,000	100,000
Benzo(k)fluoranthene	**200**	<36	**160**	<33	**310**	<34	800	1,000
BenzylButylPhthalate	<36	<36	<41	<33	<36	<34	NS	NS
Bis(2-chloroethoxy)methane	<36	<36	<41	<33	<36	<34	NS	NS
Bis(2-chloroethyl)ether	<36	<36	<41	<33	<36	<34	NS	NS
Bis(2-chloroisopropyl)ether	<36	<36	<41	<33	<36	<34	NS	NS
Bis(2-ethylhexyl)phthalate	**270**	**41**	<41	<33	**76**	<34	NS	NS
Carbazole	<36	<36	<41	<33	<36	<34	NS	NS
Chrysene	**300**	<36	**190**	<33	**370**	<34	1,000	1,000
Di-n-Butyl Phthalate	<36	<36	<41	<33	<36	<34	NS	NS
Di-n-octyl Phthalate	<36	<36	<41	<33	<36	<34	NS	NS
Dibenzo(a,h)anthracene	**54**	<36	<41	<33	<36	<34	330	1,000
Dibenzofuran	<36	<36	<41	<33	<36	<34	NS	NS
Diethyl Phthalate	<36	<36	<41	<33	<36	<34	NS	NS
Dimethyl Phthalate	<36	<36	<41	<33	<36	<34	NS	NS
Fluoranthene	**640**	<36	**340**	<33	**460**	<34	100,000	100,000
Fluorene	<36	<36	<41	<33	<36	<34	30,000	100,000
Hexachlorobenzene	<36	<36	<41	<33	<36	<34	NS	100,000
Hexachlorobutadiene	<36	<36	<41	<33	<36	<34	NS	NS

Table 2 (Cont'd)
Soil Samples Semi-Volatile Organic Analytical Results
1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	B-1, 0-2ft	B-1, 10-12ft	B-2, 0-2ft	B-2, 6-8ft	B-3, 0-2ft	B-3, 10-12ft	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYSDEC Brownfield's Part 375-6.8(b) Residential Use Soil Cleanup Objectives
Boring Number	B-1	B-1	B-2	B-2	B-3	B-3		
Sample Date	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012		
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		
Semi-Volatile Organic Compounds (µg/kg) - EPA Method 8270								
Hexachlorocyclopentadiene	<360	<360	<410	<330	<360	<340	NS	NS
Hexachloroethane	<36	<36	<41	<33	<36	<34	NS	NS
Indeno(1,2,3-cd)pyrene	**110**	<36	**70**	<33	**140**	<34	500	500
Isophorone	<36	<36	<41	<33	<36	<34	NS	500
N-Nitrosodi-n-propylamine	<36	<36	<41	<33	<36	<34	NS	NS
N-Nitrosodiphenylamine	<36	<36	<41	<33	<36	<34	NS	NS
Naphthalene(sv)	<36	<36	<41	<33	46	<34	12,000	100,000
Nitrobenzene	<36	<36	<41	<33	<36	<34	NS	NS
Phenanthrene	**370**	<36	**160**	<33	**180**	<34	100,000	100,000
Pyrene	**490**	<36	**330**	<33	**590**	<34	100,000	100,000
2,4,5-Trichlorophenol	<36	<36	<41	<33	<36	<34	NS	NS
2,4,6-Trichlorophenol	<36	<36	<41	<33	<36	<34	NS	NS
2,4-Dichlorophenol	<36	<36	<41	<33	<36	<34	NS	NS
2,4-Dimethylphenol	<36	<36	<41	<33	<36	<34	NS	NS
2,4-Dinitrophenol	<360	<360	<410	<330	<360	<340	NS	NS
2-Chlorophenol	<36	<36	<41	<33	<36	<34	NS	NS
2-Methyl-4,6-dinitrophenol	<360	<360	<410	<330	<360	<340	NS	NS
2-Methylphenol (o-cresol)	<36	<36	<41	<33	<36	<34	NS	NS
2-Nitrophenol	<36	<36	<41	<33	<36	<34	NS	NS
4-Chloro-3-methylphenol	<36	<36	<41	<33	<36	<34	NS	NS
4-Methylphenol (p-cresol)	<36	<36	<41	<33	<36	<34	NS	NS
4-Nitrophenol	<360	<360	<410	<330	<360	<340	NS	NS
Pentachlorophenol (ms)	<360	<360	<410	<330	<360	<340	800	2,400
Phenol	<36	<36	<41	<33	<36	<34	330	100,000

NS : No Standard
Bold values indicate concentrations exceediNS laboratory method detection limits.
ug/kg…micrograms per kilogram

Table 2 (Cont'd)

Soil Samples Semi-Volatile Organic Analytical Results

1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	B-4 0-2ft	B-4 10-12ft	B-5 0-2ft	B-5 11-13ft	B-6 0-2ft	B-6 12-14ft	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYSDEC Brownfield's Part 375-6.8(b) Residential Use Soil Cleanup Objectives
Boring Number	B-4	B-4	B-5	B-5	B-6	B-6		
Sample Date	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012		
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		
Semi-Volatile Organic Compounds (µg/kg) - EPA Method 8270								
1,2 Dichlorobenzene(sv)	<34	<32	<37	<35	<34	<34	NS	NS
1,3 Dichlorobenzene(sv)	<34	<32	<37	<35	<34	<34	NS	NS
1,4 Dichlorobenzene(sv)	<34	<32	<37	<35	<34	<34	NS	NS
124-Trichlorobenzene (sv)	<34	<32	<37	<35	<34	<34	NS	NS
2,4-Dinitrotoluene	<34	<32	<37	<35	<34	<34	NS	NS
2,6-Dinitrotoluene	<34	<32	<37	<35	<34	<34	NS	NS
2-Chloronaphthalene	<34	<32	<37	<35	<34	<34	NS	NS
2-Methylnaphthalene	**220**	<32	<37	<35	<34	<34	NS	NS
2-Nitroaniline	<34	<32	<37	<35	<34	<34	NS	NS
3,3'-Dichlorobenzidine	<340	<320	<370	<350	<340	<340	NS	NS
3-Nitroaniline	<34	<32	<37	<35	<34	<34	NS	NS
4-Bromophenyl phenyl ether	<34	<32	<37	<35	<34	<34	NS	NS
4-Chloroaniline	<34	<32	<37	<35	<34	<34	NS	NS
4-Chlorophenyl phenyl ether	<34	<32	<37	<35	<34	<34	NS	NS
4-Nitroaniline	<34	<32	<37	<35	<34	<34	NS	NS
Acenaphthene	34	<32	<37	<35	<34	<34	20,000	100,000
Acenaphthylene	<34	<32	<37	<35	<34	<34	100,000	100,000
Anthracene	<34	<32	<37	<35	<34	<34	100,000	100,000
Benzo(a)anthracene	<34	<32	**60**	<35	<34	<34	1,000	1,000
Benzo(a)pyrene	<34	<32	**62**	<35	<34	<34	1,000	1,000
Benzo(b)fluoranthene	<34	<32	**98**	<35	<34	<34	1,000	1,000
Benzo(ghi)perylene	<34	<32	<37	<35	<34	<34	100,000	100,000
Benzo(k)fluoranthene	<34	<32	**62**	<35	<34	<34	800	1,000
BenzylButylPhthalate	**430**	<32	<37	<35	<34	<34	NS	NS
Bis(2-chloroethoxy)methane	<34	<32	<37	<35	<34	<34	NS	NS
Bis(2-chloroethyl)ether	<34	<32	<37	<35	<34	<34	NS	NS
Bis(2-chloroisopropyl)ether	<34	<32	<37	<35	<34	<34	NS	NS
Bis(2-ethylhexyl)phthalate	**270**	<32	**120**	390	**43**	<34	NS	NS
Carbazole	<34	<32	<37	<35	<34	<34	NS	NS
Chrysene	<34	<32	**86**	<35	<34	<34	1,000	1,000
Di-n-Butyl Phthalate	**34**	<32	<37	<35	<34	<34	NS	NS
Di-n-octyl Phthalate	<34	<32	<37	<35	<34	<34	NS	NS
Dibenzo(a,h)anthracene	<34	<32	<37	<35	<34	<34	330	1,000
Dibenzofuran	<34	<32	<37	<35	<34	<34	NS	NS
Diethyl Phthalate	<34	<32	<37	<35	<34	<34	NS	NS
Dimethyl Phthalate	<34	<32	<37	<35	<34	<34	NS	NS
Fluoranthene	**65**	<32	**110**	<35	**34**	<34	100,000	100,000
Fluorene	**56**	<32	<37	<35	<34	<34	30,000	100,000
Hexachlorobenzene	<34	<32	<37	<35	<34	<34	NS	100,000
Hexachlorobutadiene	<34	<32	<37	<35	<34	<34	NS	NS

Table 2 (Cont'd)
Soil Samples Semi-Volatile Organic Analytical Results
1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	B-4 0-2ft	B-4 10-12ft	B-5 0-2ft	B-5 11-13ft	B-6 0-2ft	B-6 12-14ft	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYSDEC Brownfield's Part 375-6.8(b) Residential Use Soil Cleanup Objectives
Boring Number	B-4	B-4	B-5	B-5	B-6	B-6		
Sample Date	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012		
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		
Semi-Volatile Organic Compounds (µg/kg) - EPA Method 8270								
Hexachlorocyclopentadiene	<340	<320	<370	<350	<340	<340	NS	NS
Hexachloroethane	<34	<32	<37	<35	<34	<34	NS	NS
Indeno(1,2,3-cd)pyrene	<34	<32	<37	<35	<34	<34	500	500
Isophorone	<34	<32	<37	<35	<34	<34	NS	500
N-Nitrosodi-n-propylamine	<34	<32	<37	<35	<34	<34	NS	NS
N-Nitrosodiphenylamine	<34	<32	<37	<35	<34	<34	NS	NS
Naphthalene(sv)	<34	<32	<37	<35	<34	<34	12,000	100,000
Nitrobenzene	<34	<32	<37	<35	<34	<34	NS	NS
Phenanthrene	**170**	<32	**38**	<35	<34	<34	100,000	100,000
Pyrene	**76**	<32	**110**	<35	**34**	<34	100,000	100,000
2,4,5-Trichlorophenol	<34	<32	<37	<35	<34	<34	NS	NS
2,4,6-Trichlorophenol	<34	<32	<37	<35	<34	<34	NS	NS
2,4-Dichlorophenol	<34	<32	<37	<35	<34	<34	NS	NS
2,4-Dimethylphenol	<34	<32	<37	<35	<34	<34	NS	NS
2,4-Dinitrophenol	<340	<320	<370	<350	<340	<340	NS	NS
2-Chlorophenol	<34	<32	<37	<35	<34	<34	NS	NS
2-Methyl-4,6-dinitrophenol	<340	<320	<370	<350	<340	<340	NS	NS
2-Methylphenol (o-cresol)	<34	<32	<37	<35	<34	<34	NS	NS
2-Nitrophenol	<34	<32	<37	<35	<34	<34	NS	NS
4-Chloro-3-methylphenol	<34	<32	<37	<35	<34	<34	NS	NS
4-Methylphenol (p-cresol)	<34	<32	<37	<35	<34	<34	NS	NS
4-Nitrophenol	<340	<320	<370	<350	<340	<340	NS	NS
Pentachlorophenol (ms)	<340	<320	<370	<350	<340	<340	800	2,400
Phenol	<34	<32	<37	<35	<34	<34	330	100,000

NS : No Standard
Bold values indicate concentrations exceediNS laboratory method detection limits.
ug/kg…micrograms per kilogram

Table 3

Soil Samples Pesticides and PCBs Analytical Results

1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	B-1, 0-2ft	B-1, 10-12ft	B-2, 0-2ft	B-2, 6-8ft	B-3, 0-2ft	B-3, 10-12ft	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYSDEC Brownfield's Part 375-6.8(b) Residential Use Soil Cleanup Objectives
Boring Number	B-1	B-1	B-2	B-2	B-3	B-3		
Sample Date	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012		
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		
Pesticides - EPA Method 8081 (ug/kg)								
a BHC	<2.4	<2.4	<2.7	<2.2	<2.4	<2.3	20	97
Aldrin	<2.4	<2.4	<2.7	<2.2	<2.4	<2.3	5	19
b BHC	<2.4	<2.4	<2.7	<2.2	<2.4	<2.3	36	72
Chlordane	<9.5	<9.6	<11	<8.8	<9.6	<9.1	NS	NS
d BHC	<2.4	<2.4	<2.7	<2.2	<2.4	<2.3	40	100,000
Dieldrin	<2.4	<2.4	<2.7	<2.2	<2.4	<2.3	5	39
Endosulfan 1	<4.8	<4.8	<5.5	<4.4	<4.8	<4.5	2,400	4,800
Endosulfan 2	<4.8	<4.8	<5.5	<4.4	<4.8	<4.5	2,400	4,800
Endosulfan Sulfate	<14	<14	<16	<13	<14	<14	2,400	4,800
Endrin	<2.4	<2.4	<2.7	<2.2	<2.4	<2.3	14	2,200
Endrin Aldehyde	<14	<14	<16	<13	<14	<14	NS	NS
Heptachlor	<2.4	<2.4	<2.7	<2.2	<2.4	<2.3	42	420
Heptachlor Epoxide	<2.4	<2.4	<2.7	<2.2	<2.4	<2.3	NS	NS
Lindane	<2.4	<2.4	<2.7	<2.2	<2.4	<2.3	100	280
p,p-DDD	<2.4	<2.4	<2.7	<2.2	<2.4	<2.3	3.3	2,600
p,p-DDE	<2.4	<2.4	**10**	<2.2	<2.4	<2.3	3.3	1,800
p,p-DDT	<4.8	<4.8	**11**	<4.4	<4.8	<4.5	3.3	1,700
Toxaphene	<48	<48	<55	<44	<48	<45	NS	NS
PCBs - EPA Method 8082 (ug/kg)								
Aroclor 1016	<48	<48	<55	<44	<48	<45	100	100
Aroclor 1221	<48	<48	<55	<44	<48	<45	100	100
Aroclor 1232	<48	<48	<55	<44	<48	<45	100	100
Aroclor 1242	<48	<48	<55	<44	<48	<45	100	100
Aroclor 1248	<48	<48	<55	<44	<48	<45	100	100
Aroclor 1254	<48	<48	<55	<44	<48	<45	100	100
Aroclor 1260	<48	<48	<55	<44	<48	<45	100	100

NS : No Standard

ug/kg…micrograms per kilogram

Bold values indicate concentrations exceediNS laboratory method detection limits.

Shaded values represents concentration exceeding NYSDEC Brownfield Unrestricted Use soil cleanup objectives.

Table 3 (Cont'd)

Soil Samples Pesticides and PCBs Analytical Results

1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	B-4 0-2ft	B-4 10-12ft	B-5 0-2ft	B-5 11-13ft	B-6 0-2ft	B-6 12-14ft	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYSDEC Brownfield's Part 375-6.8(b) Residential Use Soil Cleanup Objectives
Boring Number	B-4	B-4	B-5	B-5	B-6	B-6		
Sample Date	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012		
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		
Pesticides - EPA Method 8081 (ug/kg)								
a BHC	<2.3	<2.1	<2.5	<2.4	<2.3	<2.3	20	97
Aldrin	<2.3	<2.1	<2.5	<2.4	<2.3	<2.3	5	19
b BHC	<2.3	<2.1	<2.5	<2.4	<2.3	<2.3	36	72
Chlordane	<9.1	<8.5	**16**	**11**	<9.1	<9.1	NS	NS
d BHC	<2.3	<2.1	<2.5	<2.4	<2.3	<2.3	40	100,000
Dieldrin	<2.3	<2.1	<2.5	<2.4	<2.3	<2.3	5	39
Endosulfan 1	<4.5	<4.3	<4.9	<4.7	<4.5	<4.5	2,400	4,800
Endosulfan 2	<4.5	<4.3	<4.9	<4.7	<4.5	<4.5	2,400	4,800
Endosulfan Sulfate	<14	<13	<15	<14	<14	<14	2,400	4,800
Endrin	<2.3	<2.1	<2.5	<2.4	<2.3	<2.3	14	2,200
Endrin Aldehyde	<14	<13	<15	<14	<14	<14	NS	NS
Heptachlor	<2.3	<2.1	<2.5	<2.4	<2.3	<2.3	42	420
Heptachlor Epoxide	<2.3	<2.1	<2.5	<2.4	<2.3	<2.3	NS	NS
Lindane	<2.3	<2.1	<2.5	<2.4	<2.3	<2.3	100	280
p,p-DDD	<2.3	<2.1	<2.5	<2.4	<2.3	<2.3	3.3	2,600
p,p-DDE	<2.3	<2.1	<2.5	<2.4	**4**	<2.3	3.3	1,800
p,p-DDT	<4.5	<4.3	<4.9	<4.7	**4.8**	<4.5	3.3	1,700
Toxaphene	<45	<43	<49	<47	<45	<45	NS	NS
PCBs - EPA Method 8082 (ug/kg)								
Aroclor 1016	<45	<43	<49	<47	<45	<45	100	100
Aroclor 1221	<45	<43	<49	<47	<45	<45	100	100
Aroclor 1232	<45	<43	<49	<47	<45	<45	100	100
Aroclor 1242	<45	<43	<49	<47	<45	<45	100	100
Aroclor 1248	<45	<43	<49	<47	<45	<45	100	100
Aroclor 1254	<45	<43	<49	<47	<45	<45	100	100
Aroclor 1260	<45	<43	<49	<47	<45	<45	100	100

NS : No Standard

ug/kg…micrograms per kilogram

Bold values indicate concentrations exceediNS laboratory method detection limits.

Shaded values represents concentration exceediNS NYSDEC Brownfield Unrestricted Use soil cleanup objectives.

Table 4
Soil Samples Inorganic Analytical Results
1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	B-1, 0-2ft	B-1, 10-12ft	B-2, 0-2ft	B-2, 6-8ft	B-3, 0-2ft	B-3, 10-12ft	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYSDEC Brownfield's Part 375-6.8(b) Residential Use Soil Cleanup Objectives
Boring Number	B-1	B-1	B-2	B-2	B-3	B-3		
Sample Date	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012		
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		
Metals (TAL) (mg/kg)								
Aluminum as Al	**9900**	**3700**	**5600**	**6900**	**8200**	**11000**	NS	NS
Antimony as Sb	<1.2	<1.2	<1.4	<1.1	<1.2	<1.1	NS	NS
Arsenic as As	**4.9**	**2.5**	**4.7**	<1.1	**16**	<1.1	13	16
Barium as Ba	**55**	**49**	**110**	**21**	**160**	**50**	350	350
Beryllium as Be	0.54	0.52	0.59	0.75	0.61	0.52	7.2	14
Cadmium as Cd	0.82	<0.6	0.79	<0.55	**1.3**	<0.57	2.5	2.5
Calcium as Ca	**1500**	**350**	**2600**	**150**	**1800**	**280**	NS	NS
Chromium as Cr	**17**	**9.4**	**12**	**6.2**	**13**	**8.5**	30	36
Cobalt as Co	**6.7**	**7.3**	**8.9**	**2.3**	**5.8**	**2.5**	NS	NS
Copper as Cu	**23**	**12**	**23**	**4**	**140**	**4.1**	50	270
Iron as Fe	**17000**	**13000**	**19000**	**8200**	**14000**	**8400**	NS	NS
Lead as Pb	**20**	**4.1**	**21**	**1.1**	**250**	**1.4**	63	400
Magnesium as Mg	**2600**	**1800**	**4100**	**270**	**1700**	**400**	NS	NS
MaNSanese as Mn	**250**	**270**	**520**	**68**	**270**	**100**	1600	2000
Mercury as Hg	0.039	0.0066	0.036	0.0046	0.17	0.0058	0.18	0.81
Nickel as Ni	**15**	**10**	**19**	**5.7**	**14**	**7.6**	30	140
Potassium as K	**1100**	**980**	**1800**	**200**	**900**	**410**	NS	NS
Selenium as Se	**4.5**	**3.9**	**5.3**	**2.1**	**3.9**	**3.9**	3.9	36
Silver as Ag	<0.6	<0.6	<0.68	<0.55	<0.6	<0.57	2	36
Sodium as Na	**150**	**<120**	**150**	**<110**	**140**	<110	NS	NS
Thallium as Tl	<1.2	<1.2	<1.4	<1.1	<1.2	<1.1	NS	NS
Vanadium as V	**24**	**12**	**16**	**12**	**22**	**13**	NS	NS

NS : No Standard
m/kg…miligram per kilogram
Shaded values represents concentration exceediNS NYSDEC Brownfield Unrestricted Use soil cleanup objectives.

Table 4 (Cont'd)
Soil Samples Inorganic Analytical Results
1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	B-4 0-2ft	B-4 10-12ft	B-5 0-2ft	B-5 11-13ft	B-6 0-2ft	B-6 12-14ft	NYSDEC Brownfield's Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives	NYSDEC Brownfield's Part 375-6.8(b) Residential Use Soil Cleanup Objectives
Boring Number	B-4	B-4	B-5	B-5	B-6	B-6		
Sample Date	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012	2/1/2012		
Sample Matrix	Soil	Soil	Soil	Soil	Soil	Soil		
Units	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg		
Metals (TAL) (mg/kg)								
Aluminum as Al	**7400**	**7400**	**160**	**4900**	**10000**	**7000**	NS	NS
Antimony as Sb	<1.1	<1.1	<1.2	<1.2	<1.1	<1.1	NS	NS
Arsenic as As	**3.8**	**1.9**	<1.2	**5.6**	**6.5**	**4**	13	16
Barium as Ba	**44**	**55**	**1.2**	**290**	**73**	**84**	350	350
Beryllium as Be	**0.52**	0.54	<0.12	0.73	0.5	0.73	7.2	14
Cadmium as Cd	<0.57	<0.53	<0.62	<0.59	<0.57	0.66	2.5	2.5
Calcium as Ca	**760**	**110**	<25	**1000**	**940**	**520**	NS	NS
Chromium as Cr	**11**	**3.9**	**1.5**	**13**	**16**	**14**	30	36
Cobalt as Co	**6.5**	**2.3**	<0.62	**6.5**	**5.9**	**14**	NS	NS
Copper as Cu	**14**	**1.9**	<1.2	**12**	**25**	**11**	50	270
Iron as Fe	**14000**	**5100**	**1400**	**11000**	**15000**	**20000**	NS	NS
Lead as Pb	**7.4**	0.71	**1.6**	**7.2**	**26**	**6.7**	63	400
Magnesium as Mg	**2400**	**290**	**48**	**2100**	**3300**	**3600**	NS	NS
MaNSanese as Mn	**230**	**83**	5.1	**120**	**190**	**580**	1600	2000
Mercury as Hg	0.011	<0.0043	<0.0049	0.0081	0.024	0.0086	0.18	0.81
Nickel as Ni	**11**	**4.8**	**<1.2**	**14**	**16**	**16**	30	140
Potassium as K	**1100**	**190**	<120	**1300**	**1100**	**1800**	NS	NS
Selenium as Se	**2.3**	**2.1**	<1.2	**1.9**	**4**	**6.7**	3.9	36
Silver as Ag	<0.57	<0.53	<0.62	<0.59	<0.57	<0.57	2	36
Sodium as Na	**160**	<110	<120	**200**	<110	<110	NS	NS
Thallium as Tl	**1.1**	**1.6**	<1.2	<1.2	<1.1	<1.1	NS	NS
Vanadium as V	**16**	**6.8**	**1.2**	**18**	**27**	**18**	NS	NS

NS : No Standard
m/kg…miligram per kilogram
Shaded values represents concentration exceediNS NYSDEC Brownfield Unrestricted Use soil cleanup objectives.
Note: The MS and MSD sample results are displayed; however, these results were not compared to NYSDEC guildeines.

Table 5

Water Samples Volatile Organic Analytical Results

1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	GW-1	GW-3	GW-4	GW-4 Dup.	NYSDEC TOGS 1.1.1 Groundwater Quality Standards
Well Number	MW-1	MW-3	MW-4	MW-4 Dup.	
Sample Date	3/15/2012	3/15/2012	3/15/2012	3/15/2012	
Sample Matrix	Water	Water	Water	Water	
Units	ug/L	ug/L	ug/L	ug/L	
Volatile Organic Compounds (µg/L) - EPA Method 8260					
1,1 Dichloroethane	<1	<1	<1	<1	5
1,1 Dichloroethene	<1	<1	<1	<1	5
1,1-Dichloropropene	<1	<1	<1	<1	5
1,2 Dibromoethane	<1	<1	<1	<1	5
1,2 Dichlorobenzene (v)	<1	<1	<1	<1	3
1,2 Dichloroethane	<1	<1	<1	<1	5
1,2 Dichloropropane	<1	<1	<1	<1	1
1,3 Dichlorobenzene (v)	<1	<1	<1	<1	3
1,3-Dichloropropane	<1	<1	<1	<1	5
1,4 Dichlorobenzene (v)	<1	<1	<1	<1	3
111 Trichloroethane	<1	<1	<1	<1	5
1112Tetrachloroethane	<1	<1	<1	<1	5
112 Trichloroethane	<1	<1	<1	<1	1
1122Tetrachloroethane	<1	<1	<1	<1	5
123-Trichlorobenzene	<1	<1	<1	<1	5
123-Trichloropropane	<1	<1	<1	<1	0.04
124-Trichlorobenzene (v)	<1	<1	<1	<1	5
124-Trimethylbenzene	<1	<1	<1	<1	5
1245 Tetramethylbenz	<1	<1	<1	<1	NS
135-Trimethylbenzene	<1	<1	<1	<1	5
2,2-Dichloropropane	<1	<1	<1	<1	5
2-Chlorotoluene	<1	<1	<1	<1	5
4-Chlorotoluene	<1	<1	<1	<1	5
Acetone	<10	<10	<10	<10	50
Benzene	<1	<1	<1	<1	1
Bromobenzene	<1	<1	<1	<1	5
Bromochloromethane	<1	<1	<1	<1	5
Bromodichloromethane	<1	<1	<1	<1	NS
Bromoform	<1	<1	<1	<1	NS
Bromomethane	<1	<1	<1	<1	5
c-1,2-Dichloroethene	<1	<1	<1	<1	NS
c-1,3Dichloropropene	<1	<1	<1	<1	0.4
Carbon Tetrachloride	<1	<1	<1	<1	5
Chlorobenzene	<1	<1	<1	<1	5
Chlorodibromomethane	<1	<1	<1	<1	NS
Chlorodifluoromethane	<1	<1	<1	<1	NS
Chloroethane	<1	<1	<1	<1	5
Chloroform	**2**	**12**	**1**	**1**	7

Table 5

Water Samples Volatile Organic Analytical Results

1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	GW-1	GW-3	GW-4	GW-4 Dup.	NYSDEC TOGS 1.1.1 Groundwater Quality Standards
Well Number	MW-1	MW-3	MW-4	MW-4 Dup.	
Sample Date	3/15/2012	3/15/2012	3/15/2012	3/15/2012	
Sample Matrix	Water	Water	Water	Water	
Units	ug/L	ug/L	ug/L	ug/L	
Volatile Organic Compounds (µg/L) - EPA Method 8260					
1,1 Dichloroethane	<1	<1	<1	<1	5
1,1 Dichloroethene	<1	<1	<1	<1	5
1,1-Dichloropropene	<1	<1	<1	<1	5
1,2 Dibromoethane	<1	<1	<1	<1	5
1,2 Dichlorobenzene (v)	<1	<1	<1	<1	3
1,2 Dichloroethane	<1	<1	<1	<1	5
1,2 Dichloropropane	<1	<1	<1	<1	1
1,3 Dichlorobenzene (v)	<1	<1	<1	<1	3
1,3-Dichloropropane	<1	<1	<1	<1	5
1,4 Dichlorobenzene (v)	<1	<1	<1	<1	3
111 Trichloroethane	<1	<1	<1	<1	5
1112Tetrachloroethane	<1	<1	<1	<1	5
112 Trichloroethane	<1	<1	<1	<1	1
1122Tetrachloroethane	<1	<1	<1	<1	5
123-Trichlorobenzene	<1	<1	<1	<1	5
123-Trichloropropane	<1	<1	<1	<1	0.04
124-Trichlorobenzene (v)	<1	<1	<1	<1	5
124-Trimethylbenzene	<1	<1	<1	<1	5
1245 Tetramethylbenz	<1	<1	<1	<1	NS
135-Trimethylbenzene	<1	<1	<1	<1	5
2,2-Dichloropropane	<1	<1	<1	<1	5
2-Chlorotoluene	<1	<1	<1	<1	5
4-Chlorotoluene	<1	<1	<1	<1	5
Acetone	<10	<10	<10	<10	50
Benzene	<1	<1	<1	<1	1
Bromobenzene	<1	<1	<1	<1	5
Bromochloromethane	<1	<1	<1	<1	5
Bromodichloromethane	<1	<1	<1	<1	NS
Bromoform	<1	<1	<1	<1	NS
Bromomethane	<1	<1	<1	<1	5
c-1,2-Dichloroethene	<1	<1	<1	<1	NS
c-1,3Dichloropropene	<1	<1	<1	<1	0.4
Carbon Tetrachloride	<1	<1	<1	<1	5
Chlorobenzene	<1	<1	<1	<1	5
Chlorodibromomethane	<1	<1	<1	<1	NS
Chlorodifluoromethane	<1	<1	<1	<1	NS
Chloroethane	<1	<1	<1	<1	5
Chloroform	**2**	**12**	**1**	**1**	7

Table 5 (Cont'd)

Water Samples Volatile Organic Analytical Results

1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	GW-1	GW-3	GW-4	GW-4 Dup.	NYSDEC TOGS 1.1.1 Groundwater Quality Standards
Well Number	MW-1	MW-3	MW-4	MW-4 Dup.	
Sample Date	3/15/2012	3/15/2012	3/15/2012	3/15/2012	
Sample Matrix	Water	Water	Water	Water	
Units	ug/L	ug/L	ug/L	ug/L	
Volatile Organic Compounds (µg/L) - EPA Method 8260					
Chloromethane	<1	<1	<1	<1	NS
Dibromochloropropane	<1	<1	<1	<1	NS
Dibromomethane	<1	<1	<1	<1	5
Dichlorodifluoromethane	<1	<1	<1	<1	NS
Ethyl Benzene	<1	<1	<1	<1	5
Freon 113	<1	<1	<1	<1	NS
Hexachlorobutadiene	<1	<1	<1	<1	5
Isopropylbenzene	<1	<1	<1	<1	5
m + p Xylene	<2	<2	<2	<2	5
Methyl Ethyl Ketone	<10	<10	<10	<10	NS
Methylene Chloride	<1	<1	<1	<1	5
Methylisobutylketone	<10	<10	<10	<10	NS
n-Butylbenzene	<1	<1	<1	<1	5
n-Propylbenzene	<1	<1	<1	<1	5
naphthalene	<1	<1	<1	<1	5
o Xylene	<1	<1	<1	<1	5
p Diethylbenzene	<1	<1	<1	<1	NS
p-Ethyltoluene	<1	<1	<1	<1	NS
p-Isopropyltoluene	<1	<1	<1	<1	5
sec-Butylbenzene	<1	<1	<1	<1	5
Styrene	<1	<1	<1	<1	5
t-1,2-Dichloroethene	<1	<1	<1	<1	NS
t-1,3Dichloropropene	<1	<1	<1	<1	NS
ter.ButylMethylEther	<1	<1	<1	<1	5
tert-Butylbenzene	<1	<1	<1	<1	5
Tetrachloroethene	<1	<1	<1	<1	5
Toluene	<1	<1	<1	<1	5
Trichloroethene	<1	<1	<1	<1	5
Trichlorofluoromethane	<1	<1	<1	<1	5
Vinyl Chloride	<1	<1	<1	<1	2

ug/L…micrograms per liter
NS… No Standards
Bold values represent concentration exceeding the laboratory method detection limits
Shaded values indicate concentrations exceeding their respective GQS

Table 6

Water Samples Semi-Volatile Organic Analytical Results

1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	GW-1	GW-3	GW-4	GW-4 Dup.	NYSDEC TOGS 1.1.1 Groundwater Quality Standards
Well Number	MW-1	MW-3	MW-4	MW-4 Dup.	
Sample Date	3/15/2012	3/15/2012	3/15/2012	3/15/2012	
Sample Matrix	Water	Water	Water	Water	
Units	ug/L	ug/L	ug/L	ug/L	
Semi-Volatile Organic Compounds (µg/L) - EPA Method 8270					
1,2 Dichlorobenzene(sv)	<1	<1	<1	<1	3
1,3 Dichlorobenzene(sv)	<1	<1	<1	<1	3
1,4 Dichlorobenzene(sv)	<1	<1	<1	<1	3
124-Trichlorobenzene (sv)	<1	<1	<1	<1	5
2,4-Dinitrotoluene	<1	<1	<1	<1	5
2,6-Dinitrotoluene	<1	<1	<1	<1	5
2-Chloronaphthalene	<1	<1	<1	<1	10
2-Methylnaphthalene	<1	<1	<1	<1	4.7
2-Nitroaniline	<1	<1	<1	<1	5
3,3'-Dichlorobenzidine	<10	<10	<10	<10	5
3-Nitroaniline	<1	<1	<1	<1	5
4-Bromophenyl phenyl ether	<1	<1	<1	<1	NS
4-Chloroaniline	<1	<1	<1	<1	5
4-Chlorophenyl phenyl ether	<1	<1	<1	<1	NS
4-Nitroaniline	<1	<1	<1	<1	5
Acenaphthene	<1	<1	<1	<1	20
Acenaphthylene	<1	<1	<1	<1	NS
Anthracene	<1	<1	<1	<1	50
Benzo(a)anthracene	<1	<1	<1	<1	NS
Benzo(a)pyrene	<1	<1	<1	<1	NS
Benzo(b)fluoranthene	<1	<1	<1	<1	0.002
Benzo(ghi)perylene	<1	<1	<1	<1	NS
Benzo(k)fluoranthene	<1	<1	<1	<1	0.002
BenzylButylPhthalate	<1	<1	<1	<1	50
Bis(2-chloroethoxy)methane	<1	<1	<1	<1	NS
Bis(2-chloroethyl)ether	<1	<1	<1	<1	50
Bis(2-chloroisopropyl)ether	<1	<1	<1	<1	5
Bis(2-ethylhexyl)phthalate	<1	**4**	<1	<1	NS
Carbazole	<1	<1	<1	<1	NS
Chrysene	<1	<1	<1	<1	0.002
Di-n-Butyl Phthalate	<1	<1	<1	<1	50
Di-n-octyl Phthalate	<1	<1	<1	<1	50
Dibenzo(a,h)anthracene	<1	<1	<1	<1	NS
Dibenzofuran	<1	<1	<1	<1	NS
Diethyl Phthalate	<1	<1	<1	<1	NS
Dimethyl Phthalate	<1	<1	<1	<1	NS
Fluoranthene	<1	<1	<1	<1	5

Table 6 (Cont'd)

Water Samples Semi-Volatile Organic Analytical Results

1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	GW-1	GW-3	GW-4	GW-4 Dup.	NYSDEC TOGS 1.1.1 Groundwater Quality Standards
Well Number	MW-1	MW-3	MW-4	MW-4 Dup.	
Sample Date	3/15/2012	3/15/2012	3/15/2012	3/15/2012	
Sample Matrix	Water	Water	Water	Water	
Units	ug/L	ug/L	ug/L	ug/L	
Semi-Volatile Organic Compounds (µg/L) - EPA Method 8270					
Fluorene	<1	<1	<1	<1	50
Hexachlorobenzene	<1	<1	<1	<1	0.04
Hexachlorobutadiene	<1	<1	<1	<1	0.04
Hexachlorocyclopentadiene	<10	<10	<10	<10	5
Hexachloroethane	<1	<1	<1	<1	5
Indeno(1,2,3-cd)pyrene	<1	<1	<1	<1	0.002
Isophorone	<1	<1	<1	<1	50
N-Nitrosodi-n-propylamine	<1	<1	<1	<1	NS
N-Nitrosodiphenylamine	<1	<1	<1	<1	50
Naphthalene(sv)	<1	<1	<1	<1	10
Nitrobenzene	<1	<1	<1	<1	0.4
Phenanthrene	<1	<1	<1	<1	50
Pyrene	<1	<1	<1	<1	50
2,4,5-Trichlorophenol	<1	<1	<1	<1	NS
2,4,6-Trichlorophenol	<1	<1	<1	<1	NS
2,4-Dichlorophenol	<1	<1	<1	<1	5
2,4-Dimethylphenol	<1	<1	<1	<1	50
2,4-Dinitrophenol	<10	<10	<10	<10	10
2-Chlorophenol	<1	<1	<1	<1	NS
2-Methyl-4,6-dinitrophenol	<10	<10	<10	<10	NS
2-Methylphenol (o-cresol)	<1	<1	<1	<1	NS
2-Nitrophenol	<1	<1	<1	<1	NS
4-Chloro-3-methylphenol	<1	<1	<1	<1	NS
4-Methylphenol (p-cresol)	<1	<1	<1	<1	NS
4-Nitrophenol	<10	<10	<10	<10	NS
Pentachlorophenol (ms)	<10	<10	<10	<10	NS
Phenol	<1	<1	<1	<1	NS

ug/L…micrograms per liter
NS… No Standards
Bold values represent concentration exceeding the laboratory method detection limits
Shaded values indicate concentrations exceeding their respective GQS

Table 7

Water Samples Pesticides and PCBs Analytical Results

1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	GW-1	GW-3	GW-4	GW-4 Dup.	NYSDEC TOGS 1.1.1 Groundwater Quality Standards
Well Number	MW-1	MW-3	MW-4	MW-4 Dup.	
Sample Date	3/15/2012	3/15/2012	3/15/2012	3/15/2012	
Sample Matrix	Water	Water	Water	Water	
Units	ug/L	ug/L	ug/L	ug/L	
Pesticides - EPA Method 8081					
a BHC	<0.05	<0.05	<0.05	<0.05	NS
Aldrin	<0.05	<0.05	<0.05	<0.05	NS
b BHC	<0.05	<0.05	<0.05	<0.05	NS
Chlordane	<0.2	<0.2	<0.2	<0.2	0.05
d BHC	<0.05	<0.05	<0.05	<0.05	NS
Dieldrin	<0.05	<0.05	<0.05	<0.05	0.004
Endosulfan 1	<0.1	<0.1	<0.1	<0.1	5
Endosulfan 2	<0.1	<0.1	<0.1	<0.1	NS
Endosulfan Sulfate	<0.3	<0.3	<0.3	<0.3	NS
Endrin	<0.05	<0.05	<0.05	<0.05	NS
Endrin Aldehyde	<0.3	<0.3	<0.3	<0.3	5
Heptachlor	<0.05	<0.05	<0.05	<0.05	0.04
Heptachlor Epoxide	<0.05	<0.05	<0.05	<0.05	0.03
Lindane	<0.05	<0.05	<0.05	<0.05	NS
p,p-DDD	<0.05	<0.05	<0.05	<0.05	0.3
p,p-DDE	<0.05	<0.05	<0.05	<0.05	0.2
p,p-DDT	<0.1	<0.1	<0.1	<0.1	0.2
Toxaphene	<1	<1	<1	<1	0.06
PCBs - EPA Method 8082					
Aroclor 1016	<1	<1	<1	<1	0.09
Aroclor 1221	<1	<1	<1	<1	0.09
Aroclor 1232	<1	<1	<1	<1	0.09
Aroclor 1242	<1	<1	<1	<1	0.09
Aroclor 1248	<1	<1	<1	<1	0.09
Aroclor 1254	<1	<1	<1	<1	0.09
Aroclor 1260	<1	<1	<1	<1	0.09

NS…No Standard
ug/L…micrograms per liter
Bold values represent concentration exceeding the laboratory method detection limits
Shaded values indicate concentrations exceeding their respective GQS

Table 8

Water Samples Inorganic Analytical Results

1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	GW-1	GW-3	GW-4	GW-4 Dup.	NYSDEC TOGS 1.1.1 Groundwater Quaility Standard
Well Number	MW-1	MW-3	MW-4	MW-4 Dup.	
Sample Date	3/15/2012	3/15/2012	3/15/2012	3/15/2012	
Sample Matrix	Water	Water	Water	Water	
Metals(TAL) mg/L					
Aluminum as Al	**0.03**	**17**	0.03	0.03	NS
Antimony as Sb	<0.005	<0.005	<0.005	<0.005	0.003
Arsenic as As	<0.005	<0.005	<0.005	<0.005	0.025
Barium as Ba	0.16	0.21	0.26	0.27	1
Beryllium as Be	<0.001	0.001	<0.001	<0.001	0.003
Cadmium as Cd	<0.005	<0.005	<0.005	<0.001	0.005
Calcium as Ca	**45**	**16**	**42**	**42**	NS
Chromium as Cr	0.008	0.084	<0.005	<0.005	0.05
Cobalt as Co	0.046	0.036	0.007	0.008	NS
Copper as Cu	<0.01	0.05	<0.01	<0.01	0.2
Iron as Fe	0.5	**18**	0.14	0.14	0.3
Lead as Pb	<0.005	0.031	<0.005	<0.005	0.025
Magnesium as Mg	**11**	**3.9**	**12**	**12**	35
Manganese as Mn	**0.22**	**1.4**	**1**	**1**	0.3
Mercury as Hg	<0.0002	<0.0002	<0.0002	<0.0002	0.0007
Nickel as Ni	0.02	0.08	0.02	0.02	0.1
Potassium as K	**4.9**	**5.9**	**6**	**6**	NS
Selenium as Se	<0.01	<0.01	<0.01	<0.01	0.01
Silver as Ag	<0.005	<0.005	<0.005	<0.005	0.05
Sodium as Na	**40**	**23**	**59**	**60**	20
Thallium as Tl	0.01	0.01	0.008	0.02	NS
Vanadium as V	<0.005	0.069	<0.005	<0.005	
Zinc	0.11	0.09	0.02	0.02	NS

mg/L…miligrams per liter

Shaded values represent concentration exceeding the GQS

Bold values represent concentration exceeding the laboratory method detection limits

Table 9

Water Samples Inorganic Analytical Results - Dissolved

1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	GW-1	GW-3	GW-4	GW-4 Dup.	NYSDEC TOGS 1.1.1 Groundwater Quaility Standard
Well Number	MW-1	MW-3	MW-4	MW-4 Dup.	
Sample Date	3/15/2012	3/15/2012	3/15/2012	3/15/2012	
Sample Matrix	Water	Water	Water	Water	
Metals(TAL) mg/L					
Aluminum as Al	<0.01	0.03	<0.01	<0.01	NS
Antimony as Sb	<0.005	<0.005	<0.005	<0.005	0.003
Arsenic as As	<0.005	<0.005	<0.005	<0.005	0.025
Barium as Ba	0.15	0.068	0.26	0.25	1
Beryllium as Be	<0.001	<0.001	<0.001	<0.001	0.003
Cadmium as Cd	<0.005	<0.005	<0.005	<0.005	0.005
Calcium as Ca	**43**	**13**	**40**	**40**	NS
Chromium as Cr	<0.005	<0.005	<0.005	<0.005	0.05
Cobalt as Co	0.038	0.016	0.007	0.007	NS
Copper as Cu	<0.01	<0.01	<0.01	<0.01	0.2
Iron as Fe	0.33	0.2	<0.01	0.02	0.3
Lead as Pb	<0.005	<0.005	<0.005	<0.005	0.025
Magnesium as Mg	**11**	**2.8**	**12**	**12**	35
Manganese as Mn	0.21	**1.1**	**0.97**	**0.97**	0.3
Mercury as Hg	<0.0002	<0.0002	<0.0002	<0.0002	0.0007
Nickel as Ni	0.02	0.02	0.02	0.02	0.1
Potassium as K	**4.6**	**4.1**	**5.7**	**5.7**	NS
Selenium as Se	<0.01	<0.01	<0.01	<0.01	0.01
Silver as Ag	<0.005	<0.005	<0.005	<0.005	0.05
Sodium as Na	**38**	**20**	**57**	**57**	20
Thallium as Tl	0.019	0.02	0.01	0.01	NS
Vanadium as V	<0.005	<0.005	<0.005	<0.005	NS
Zinc as Zn	0.1	0.02	0.02	0.01	5

mg/L…miligrams per liter

Shaded values represent concentration exceeding the GQS

Bold values represent concentration exceeding the laboratory method detection limits

TABLE 10

Soil Vapor Sampling Analytical Results

1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	SV-1		SV-2		SV-3		SV-4		OA-1	
Sample Date	2/1/2012		2/9/2012		2/1/2012		2/1/2012		2/1/2012	
Sample Matrix	Soil Vapor Well		Soil Vapor Well		Soil Vapor Well		Soil Vapor Well		Outdoor Air	
Units	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Volatile Organic Compounds - Method TO-15										
1,1 Dichloroethane	<0.2	<0.8102	<0.2	<0.8102	<0.2	<0.8102	<0.2	<0.8102	<0.2	<0.8102
1,1 Dichloroethene	<0.1	<0.397	<0.1	<0.397	<0.1	<0.397	<0.1	<0.397	<0.1	<0.397
1,2 Dibromoethane	<0.2	<1.538	<0.2	<1.538	<0.2	<1.538	<0.2	<1.538	<0.2	<1.538
1,2 Dichlorobenzene (v)	<0.5	<3.008	<0.5	<3.008	<0.5	<3.008	<0.5	<3.008	<0.5	<3.008
1,2 Dichloroethane	<0.5	<2.0255	<0.5	<2.0255	<0.5	<2.0255	<0.5	<2.0255	<0.5	<2.0255
1,2 Dichloropropane	<0.5	<2.312	<0.5	<2.312	<0.5	<2.312	<0.5	<2.312	<0.5	<2.312
1,2-Dichlorotetrafluoroethane	<0.2	<1.399	<0.2	<1.399	<0.2	<1.399	<0.2	<1.399	<0.2	<1.399
1,3 Butadiene	<1	<2.21	<1	<2.21	<1	<2.21	<1	<2.21	<1	<2.21
1,3 Dichlorobenzene (v)	<0.2	<1.2032	<0.2	<1.2032	<0.2	<1.2032	<0.2	<1.2032	<0.2	<1.2032
1,4 Dichlorobenzene (v)	<0.5	<3.008	<0.5	<3.008	<0.5	<3.008	<0.5	<3.008	<0.5	<3.008
1,4-Dioxane	<1	<3.601	<1	<3.601	<1	<3.601	<1	<3.601	<1	<3.601
111 Trichloroethane	<0.2	<1.0918	<0.2	<1.0918	<0.2	<1.0918	<0.2	<1.0918	<0.2	<1.0918
112 Trichloroethane	<0.2	<1.0918	<0.2	<1.0918	<0.2	<1.0918	<0.2	<1.0918	<0.2	<1.0918
1122Tetrachloroethane	<0.2	<1.3742	<0.2	<1.3742	<0.2	<1.3742	<0.2	<1.3742	<0.2	<1.3742
124-Trimethylbenzene	<0.5	<2.4595	<0.5	<2.4595	<0.5	<2.4595	<0.5	<2.4595	<0.5	<2.4595
135-Trimethylbenzene	<0.5	<2.4595	<0.5	<2.4595	<0.5	<2.4595	<0.5	<2.4595	<0.5	<2.4595
2,2,4-Trimethylpentane	<0.5	<2.3325	<0.5	<2.3325	<0.5	<2.3325	<0.5	<2.3325	<0.5	<2.3325
2-Hexanone	<0.5	<2.046	<0.5	<2.046	<0.5	<2.046	<0.5	<2.046	<0.5	<2.046
3-Chloropropene	<0.5	<1.5655	<0.5	<1.5655	<0.5	<1.5655	<0.5	<1.5655	<0.5	<1.5655
Acetone	**310**	**737.18**	**73**	**173.59**	**190**	**451.82**	**170**	**404.26**	<1	<2.378
Acrylonitrile	<1	<2.169	<1	<2.169	<1	<2.169	<1	<2.169	<1	<2.169
Benzene	<0.2	<0.6384	**1.4**	**4.4688**	**1.2**	**3.8304**	**0.76**	**2.4259**	<0.2	<0.6384
Benzyl Chloride	<0.2	<1.036	<0.2	<1.036	<0.2	<1.036	<0.2	<1.036	<0.2	<1.036
Bromodichloromethane	<0.2	<1.326	<0.2	<1.326	<0.2	<1.326	<0.2	<1.326	<0.2	<1.326
Bromoform	<0.2	<2.07	<0.2	<2.07	<0.2	<2.07	<0.2	<2.07	<0.2	<2.07
Bromomethane	<0.2	<0.7768	<0.2	<0.7768	<0.2	<0.7768	<0.2	<0.7768	<0.2	<0.7768
c-1,2-Dichloroethene	<0.2	<0.7934	<0.2	<0.7934	<0.2	<0.7934	<0.2	<0.7934	<0.2	<0.7934
c-1,3Dichloropropene	<0.5	<2.271	<0.5	<2.271	<0.5	<2.271	<0.5	<2.271	<0.5	<2.271
Carbon disulfide	<0.5	<1.555	**3.2**	**9.952**	**2.1**	**6.531**	**6.9**	**21.459**	<0.5	<1.555
Carbon Tetrachloride	<0.4	<2.5176	<0.4	<2.5176	<0.4	<2.5176	<0.4	<2.5176	<0.4	<2.5176
Chlorobenzene	<0.2	<0.9216	<0.2	<0.9216	<0.2	<0.9216	<0.2	<0.9216	<0.2	<0.9216
Chlorodibromomethane	<0.2	<1.686	<0.2	<1.686	<0.2	<1.686	<0.2	<1.686	<0.2	<1.686

Bold values represent concentration exceeding the laboratory method detection limits

TABLE 10 (contd…)

Soil Vapor Sampling Analytical Results

1243-1275 Woodrow Road, Staten Island, New York

Sample Identification	SV-1		SV-2		SV-3		SV-4		OA-1	
Sample Date	2/1/2012		2/9/2012		2/1/2012		2/12/2012		2/1/2012	
Sample Matrix	Soil Vapor Well		Soil Vapor Well		Soil Vapor Well		Soil Vapor Well		Outdoor Air	
Units	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3	ppbv	ug/m3
Volatile Organic Compounds - Method TO-15										
Chloroethane	<1	<2.64	<1	<2.64	<1	<2.64	<1	<2.64	<1	<2.64
Chloroform	<0.2	<0.974	<0.2	<0.974	<0.2	<0.974	<0.2	<0.974	<0.2	<0.974
Chloromethane	<1	<2.067	<1	<2.067	<1	<2.067	<1	<2.067	<1	<2.067
Cyclohexane	<0.2	<0.6888	**1.1**	**3.7884**	<0.2	<0.6888	<0.2	<0.6888	<0.2	<0.6888
Dichlorodifluoromethane	<0.2	<0.9896	<0.2	<0.9896	<0.2	<0.9896	<0.2	<0.9896	<0.2	<0.9896
Ethyl Acetate	<5	<18.005	<5	<18.005	<5	<18.005	<5	<18.005	<5	<18.005
Ethyl alcohol	<2	<3.766	<2	<3.766	<2	<3.766	<2	<3.766	<2	<3.766
Ethyl Benzene	<0.2	<0.8676	<0.2	<0.8676	<0.2	<0.8676	<0.2	<0.8676	<0.2	<0.8676
Freon 113	<0.1	<0.7668	<0.1	<0.7668	<0.1	<0.7668	<0.1	<0.7668	<0.1	<0.7668
Heptane	<0.5	<2.046	<0.5	<2.046	<0.5	<2.046	<0.5	<2.046	<0.5	<2.046
Hexachlorobutadiene	<0.5	<5.335	<0.5	<5.335	<0.5	<5.335	<0.5	<5.335	<0.5	<5.335
Hexane	<0.5	<1.764	<0.5	<1.764	**3.6**	**12.701**	<0.5	<1.764	<0.5	<1.764
Isopropyl Alcohol	<5	<12.275	<5	<12.275	<5	<12.275	<5	<12.275	<5	<12.275
m + p Xylene	<0.5	<2.173	<0.5	<2.173	<0.5	<2.173	<0.5	<2.173	<0.5	<2.173
Methyl Ethyl Ketone	<1	<2.946	<1	<2.946	<1	<2.946	<1	<2.946	<1	<2.946
Methylene Chloride	<0.2	<0.6948	<0.2	<0.6948	<0.2	<0.6948	<0.2	<0.6948	<0.2	<0.6948
Methylisobutylketone	<1	<4.101	<1	<4.101	<1	<4.101	<1	<4.101	<1	<4.101
o Xylene	<0.2	<0.8692	<0.2	<0.8692	<0.2	<0.8692	<0.2	<0.8692	<0.2	<0.8692
p-Ethyltoluene	<0.5	<2.4555	<0.5	<2.4555	<0.5	<2.4555	<0.5	<2.4555	<0.5	<2.4555
Propylene	<0.5	<0.8595	<0.5	<0.8595	<0.5	<0.8595	<0.5	<0.8595	<0.5	<0.8595
Styrene	<0.2	<0.8512	<0.2	<0.8512	<0.2	<0.8512	<0.2	<0.8512	<0.2	<0.8512
t-1,2-Dichloroethene	<0.2	<0.7934	<0.2	<0.7934	<0.2	<0.7934	<0.2	<0.7934	<0.2	<0.7934
t-1,3Dichloropropene	<0.2	<0.9084	<0.2	<0.9084	<0.2	<0.9084	<0.2	<0.9084	<0.2	<0.9084
ter.ButylMethylEther	<0.2	<0.7038	<0.2	<0.7038	<0.2	<0.7038	<0.2	<0.7038	<0.2	<0.7038
tert. Butyl Alcohol	<2	<6.056	<2	<6.056	<2	<6.056	<2	<6.056	<2	<6.056
Tetrachloroethene	<0.2	<1.357	<0.2	<1.357	<0.2	<1.357	<0.2	<1.357	<0.2	<1.357
Tetrahydrofuran	<0.5	<1.4735	<0.5	<1.4735	<0.5	<1.4735	<0.5	<1.4735	<0.5	<1.4735
Toluene	**8.5**	**32.003**	**2.2**	**8.283**	**7.3**	**27.485**	**8.3**	**31.25**	<0.2	<0.753
Trichloroethene	<0.2	<1.0746	<0.2	<1.0746	<0.2	<1.0746	<0.2	<1.0746	<0.2	<1.0746
Trichlorofluoromethane	<0.2	<1.1244	<0.2	<1.1244	**11**	**61.842**	<0.2	<1.1244	<0.2	<1.1244
Vinyl Acetate	<0.5	<1.7595	<0.5	<1.7595	<0.5	<1.7595	<0.5	<1.7595	<0.5	<1.7595
Vinyl Bromide	<0.2	<0.8758	<0.2	<0.8758	<0.2	<0.8758	<0.2	<0.8758	<0.2	<0.8758
Vinyl Chloride	<0.2	<0.5116	<0.2	<0.5116	<0.2	<0.5116	<0.2	<0.5116	<0.2	<0.5116
Helium	<1		<1	<0	<2		<1		<1	

Bold values represent concentration exceeding the laboratory method detection limits

Table 11 Construction Details for Soil Borings and Monitoring Wells

	Identification Number	Date of construction	Total Depth	Diameter	Ground surface elevation	Screened interval (Elevation Range)	Construction Material (PVC, steel, etc.)	GPS Coordinates
Soil Borings								
B-1	B-1	2/01/2012	12’	2”	102’			
B-2	B-2	2/01/2012	8’	2”	104’			
B-3	B-3	2/01/2012	12’	2”	116’			
B-4	B-4	2/01/2012	12’	2”	114’			
B-5	B-5	2/01/2012	13’	2”	112’			
B-6	B-6	2/01/2012	14’	2”	117’			
Monitor Wells								
	GW-1	3/10/2012	78’	2”	108’	58’-78’	PVC	
	GW-3	3/7/2012	78’	2”	112’	58’-78’	PVC	
	GW-4	3/6/2012	78’	2”	104’	58’-78’	PVC	

Table 12 Analytical Methods Summary

Matrix	Number of Samples	Analytical parameters measured	Analytical methods	Number of duplicate samples	Number and type of QA/QC samples
Soil	12	VOC,s, SVOC's, PEST & PCB's Metals	8260 8270 8081 8082 6010B	1	1 MS/MSD 1 Field Duplicate
Groundwater	3	VOC,s, SVOC's, PEST & PCB's Metals	8260 8270 8081 8082 6010B	1	1 MS/MSD 1 Field Duplicate 1 Trip Blank
Soil vapor	3	VOC's	TO-15 + He	0	1 Ambient Air

Table 13 Groundwater Level Data

Monitoring Well ID No.	Date	Water Elevation
MW-1	3/15/2012	69.0
MW-3	3/15/2012	69.2
MW-4	3/15/2012	59.0

Appendix A

Phase I Report

PHASE I ENVIRONMENTAL SITE ASSESSMENT

WOODROW PLAZA REZONING
STATEN ISLAND, NEW YORK

CEQR NO. 07DCP051R

PREPARED FOR:

WOODROW PLAZA LLC.

15 SEGUINE AVENUE

STATEN ISLAND, N.Y. 10309

PREPARED BY

environmental
project data statements company

185 GREAT NECK ROAD
GREAT NECK, NEW YORK 11021

JANUARY 2008

Woodrow Plaza Phase I ESA
1243-1275 Woodrow Road
Block 6145 Lot #'s 13 & 16
Staten Island, New York

Phase I Environmental Site Assessment

PHASE I ENVIRONMENTAL SITE ASSESSMENT

A. INTRODUCTION

EPDSCO, Inc., has performed a Phase I Environmental Site Assessment (ESA) of the property located at 1243-1275 Woodrow Road, in the Borough of Staten Island in the City of New York. This ESA was prepared in accordance with the ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM Designation E 1527-05).

The purpose of this ESA is to identify, to the extent feasible in accordance with ASTM E 1527-05, recognized environmental conditions in connection with the site with regard to hazardous materials as defined by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), and petroleum products. Additionally, several ASTM "Non-Scope" items including asbestos-containing materials, lead-based paints, and radon are also discussed. Recognized Environmental Conditions are identified through research into the history and uses of the site and surrounding area, an inspection of the subject property and a survey of adjoining and nearby uses, and a review of available regulatory agency records and environmental databases. A detailed scope of work is included in Section IV of this report. Sanborn atlases and other pertinent figures are included in Attachment A. Photographs are located in Attachment B. Regulatory agency database information from Environmental Data Resources, Inc. is included in Attachment C, and the City Directory Abstract, also provided by Environmental Data Resources, Inc. is included in Attachment D.

B. EXECUTIVE SUMMARY

The subject property consists of a rectangular shaped parcel of land with an area of approximately 79,626 square feet. At the time of the site visit, the subject property was a vacant, wooded lot which was overgrown with dense under-story vegetation and contained numerous mature trees. There were not any building foundations or other indications of former buildings observed on the property during the site visit. Some debris, including landscaping debris (leaves, branches, etc.), bottles, cans, and other typical household garbage was observed on the site, however, there were not any indications of the past on-site storage or disposal of hazardous materials observed, such as discarded drums or chemical containers, chemical/oil stained soils, dead or dying vegetation, pits or lagoons, etc.

Research into the history of the property indicates that the portion of the site at 1275 Woodrow Road formerly contained a florist in the 1920s and 1930s, and then a residential dwelling. The residential dwelling remained on the site until at least 1996. The portion of the property at 1243 Woodrow Road contained a residential dwelling from the 1960s to at least 1996. There were not any former on-site businesses or operations which typically involve the storage or use of hazardous materials identified in the information reviewed for this report. Given the identified former uses of the property (i.e., florist and residential), it is considered unlikely that these former uses would have resulted in contamination to the property.

There were not any fillports, vent lines or other visible indications of the presence of underground storage tanks observed at the property during the site visit. There were not any aboveground tanks noted at the site. The subject property does not appear in the NYSDEC Petroleum Bulk Storage database, which lists all registered facilities with a petroleum storage capacity in excess of 1,100 gallons.

There were not any suspected asbestos-containing materials, lead-based paints or electrical equipment suspected of containing PCBs observed at the site during the inspection. There were not any drainage structures, such as floor drains, trench drains, drywells, storm drains, etc., observed on the property during the site visit.

The subject site does not appear in any of the Federal or State environmental databases reviewed including the USEPA's Superfund, CERCLIS or ERNS databases, the RCRA Hazardous Waste Handlers list or hazardous waste Treatment/Storage/Disposal Facilities list, or the NYSDEC's Solid Waste Facilities database, Spill Logs database, PBS database, or the Registry of Inactive Hazardous Waste Disposal Sites.

Land uses in the area surrounding the subject property is predominantly residential, with the exception of a retail shopping center located adjacent and to the north of the site. Land uses in the area surrounding the property have historically been residential. There were not any gasoline filling stations or heavy industrial operations identified nearby the subject property. There are not any Active NYSDEC-reported spill incidents listed within ½ mile of the site. There were not any potential off-site sources of contamination which are likely to have significantly impacted the environmental condition of the subject property identified in the regulatory agency database information reviewed.

Conclusions

EPDSCO has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527-05 of 1243-1275 Woodrow Road, Staten Island, N.Y., the property. Any exceptions to or deletions from this standard are described in section A. of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property.

Respectfully Submitted,

Hiram A. Rothkrug, Director

EPDSCO, Inc.

C. REPORT OF FINDINGS

The subject property was inspected on December 14th, 2007. At the time of the site visit, the subject property was vacant, wooded land with no on-site structures or operations noted.

Property Description

Property Address and Location

Subject Property:

1243-1275 Woodrow Road
Staten Island, New York
Block 6145
Lots 13 & 16

The subject site is located on the north side of Woodrow Road, between Rossville Avenue and Alverson Avenue, in the Borough of Staten Island, in the City of New York (see Attachment A). The property appears on the USGS 7.5 Minute Series Topographic Map Arthur Kill, N.Y.-N.J. Quadrangle.

Site Description

The subject property consists of a rectangular shaped parcel of land with an area of approximately 79,626 square feet. At the time of the site visit, the subject property was a vacant, wooded lot which was overgrown with dense under-story vegetation and contained numerous mature trees. There were not any building foundations or other indications of former buildings observed on the property during the site visit. Some debris, including landscaping debris (leaves, branches, etc.), bottles, cans, and other typical household garbage was observed on the site, however, there were not any indications of the past on-site storage or disposal of hazardous materials observed, such as discarded drums or chemical containers, chemical/oil stained soils, dead or dying vegetation, pits or lagoons, etc. Access to much of the site is limited by chain link fencing which surrounds most of the property.

Site History

Information regarding site history was obtained from a variety of standard historical sources including historical land use/fire insurance atlases such as those produced by Sanborn, Bromley and/or Belcher Hyde, New York City Buildings Department information including Certificates of Occupancy (CO), Building Permits, Alteration Permits, etc., and interviews with site owners or occupants. Additionally, historical aerial photographs of the site and a city directories abstract search was obtained from EDR, Inc. which list occupants at a corresponding address at approximately five year intervals from the 1920s to 2000.

Historical Maps

The 1977, 1981, 1982, 1983, 1986, 1987, 1988, 1989, 1990, 1992, 1993, 1994, 1995 and 1996 Sanborn fire insurance/real estate maps were reviewed (see Attachment A). These maps provide information on the history of structures at the site and may show past operations involving the storage or use of hazardous materials and the presence of buried gasoline tanks.

A one-story residential dwelling appears on the 1243 Woodrow Road part of the site on all of the Sanborn maps reviewed. A two-story residential dwelling appears at the 1275 Woodrow Road part of the site on all of the maps reviewed. There are not any buried tanks or indications of the storage or use of hazardous materials shown at the property on any of the Sanborn maps reviewed.

N.Y.C. Department of Buildings

New York City Department of Buildings on-line Buildings Information System records were reviewed for Certificates of Occupancy (CO), New Building permits, Demolition permits and other information regarding history of the subject property. The following pertinent information was found in the Department of Buildings records reviewed.

CO 083789 was found on file for Lot 13 of the property. This CO was issued on 1/26/96 for a one-story and cellar residential dwelling with a one-car parking area. The CO states that the storm water and sanitary wastes at this site are discharged to private disposal systems. New Building permit NB 1734/64, issued in 1964 for the one-story residential dwelling at the site, was also found on file in the Department of Buildings records. There were not any COs, New Building permits, Demolition permits or other pertinent information regarding the history of Lot 16 of the property found on file in the records reviewed.

City Directories Abstract

A city directories abstract review was performed for the addresses of the subject property (1243-1275 Woodrow Road). A city directories abstract is a review of city directories, cross references, and telephone directories which list occupants at a corresponding address. These directories are reviewed at approximately five-year intervals from the 1920s to 2005. The following table lists the findings of the city directories review.

Year	Occupants/Uses (address)	Source
1928	Nause R. F. Florist (1275)	New York Telephone
1934	Nause Richd. F. Ottille Florist (1275) Papendick Angelle M. Wid. Richd. W.R. (1275) Papendick Emma Wid. Aug. R. (1275)	R.L. Polk Co.
1965	BL Bldrs. Inc. (1275)	New York Telephone
1970	Lenza Christopher (1275) Oefelein, H. (1243)	New York Telephone
1990	Lenza, Anna (1275)	NYNEX
2000	1276 NP (1275) Foster Rd. Ints. (1243) Vernon Ave. Ints. (1243)	NYNEX
1960, 1975, 1979, 1984, 1995, 2005	Address not listed in research source	New York Telephone, NYNEX

Interviews

Informal interviews were conducted with several individuals in the area of the subject property at the time of the site visit. According to individuals familiar with the area , the subject property has been vacant for as long as they can remember. However, one individual thought that he recalled a residential dwelling on a part of the site. None of the individuals interviewed had any knowledge of past on-site businesses or operations that stored or used hazardous materials.

Historical Aerial Photographs

Historical aerial photographs for the years 1943, 1954, 1966, 1972, 1984 and 1995 were obtained from Environmental Data Resources, Inc. (see Attachment A). Aerial photographs provide an additional source of information regarding past on-site structures and may show areas of concern including excavations, filling activities, on-site dumping or debris piles, etc.

A small structure, which is most likely a residential dwelling, appears on the western part of the site on the 1943 aerial photograph. The site appears to be mostly cleared of trees on this photograph and the surface of the site appears to be covered with grass or other low-lying vegetation. The 1954 aerial photograph shows the property basically unchanged from the 1943 photograph, with the exception of a second small structure that appears on the western part of the site, just north of the larger structure. It is possible that this structure is a small accessory shed or garage to the larger structure. The 1966 photograph also shows the site cleared of trees and covered by what appears to be grass. There are four small structures visible at the site on this photograph; two on the western part of the site, one on the north-central part of the site and one on the eastern part of the site.

The property appears to be much more heavily vegetated on the 1972 photograph than on earlier photographs, with numerous trees visible. Two small structures appear on the lot, one on the western part and one on the eastern part. The 1984 aerial photograph shows fewer trees on the site than the 1972 aerial; however, the site still appears to be covered with grass in many areas. There are two small structures visible on the property, one on the western side and one on the eastern side. The site appears to be much more heavily vegetated on the 1995 aerial photograph than on the 1984 photograph. There are two small structures visible at the site on the 1995 photograph; one on the eastern part of the site and one on the western part of the site. There are not any pits, lagoons or visible indications of past on-site dumping or waste disposal (e.g., debris piles, excavations, etc.) visible at the site on any of the aerial photographs reviewed.

Site Inspection

The subject property was inspected in order to identify potential recognized environmental conditions which may exist at the site. Such conditions include the on-site storage/use of hazardous materials, petroleum storage tanks, asbestos-containing materials, lead-based paints, as well as any visible indications of the past on-site storage/use/disposal of hazardous materials.

Current Operations/Hazardous Materials

At the time of the site visit, the subject property was a vacant, wooded lot. There were not any operations involving the storage or use of hazardous materials observed at the site. In addition, there were not any indications of past on-site storage or use of hazardous materials, such as discarded drums or chemical containers, chemical/oil stained soils, dead or dying vegetations, etc. observed.

Drainage Structures

There were not any drainage structures, such as floor drains, trench drains, drywells, storm drains, etc., observed at the site during the site visit.

Monitoring Wells

There were not any groundwater monitoring wells observed on or adjacent to the subject property.

Petroleum Storage Tanks

There were not any fillports, vent lines or other visible indications of the presence of underground storage tanks observed at the property during the site visit. There were not any aboveground tanks noted at the site. The subject property does not appear in the NYSDEC Petroleum Bulk Storage database, which lists all registered facilities with a petroleum storage capacity in excess of 1,100 gallons.

Polychlorinated Biphenyls (PCBs)

Prior to 1979, PCBs were widely used in electrical equipment such as transformers, capacitors, fluorescent light ballasts, etc., for their cooling and insulating properties. The manufacture, processing and commercial distribution of PCBs was banned in 1979, under the Toxic Substances Control Act (40 CFR Part 761). No electrical transformers or other equipment suspected of containing PCBs were observed on the subject property during our site visit.

Asbestos-Containing Materials/Lead-Based Paints

Asbestos is a natural mineral fiber which was widely used in the manufacture of building and insulating materials prior to the late 1970s, primarily due to its good insulation and mechanical resistance properties. Materials made with asbestos include thermal system insulation (TSI), such as aircell pipe wrap, boiler insulation and breaching, hot water/expansion tank insulation, castable elbow packing, magnesia block insulation, etc., surfacing materials, such as spray-on fire proofing and sound proofing, and miscellaneous materials such as floor tiles and roofing materials.

No suspected asbestos-containing materials or lead-based paints were observed on the subject property during our site visit.

Potable Water Supply

Potable water is supplied to the area of the subject site through the New York City Municipal water supply system, which obtains water from upstate reservoirs. This water is tested on a daily basis at various distribution points.

Surrounding Land Use

The subject site is currently adjoined by a retail shopping center to the north and by residential uses to the south, east and west. Land uses in the area surrounding the property are predominantly residential. There were not any gasoline filling stations or industrial operations observed in the surrounding area.

Regulatory Agency Information and Databases

Regulatory agency environmental database information regarding known or suspected hazardous waste storage or disposal sites, reported spill incidents, registered petroleum storage tanks, solid waste facilities and landfills, etc. for the subject properties and surrounding area is obtained from Environmental Data Resources of Milford, Ct. These documented sites and incidents are listed in the following section for descriptive purposes. Their inclusion does not necessarily suggest any potential impacts to the subject property, but provides an indication of the potential for general groundwater and soil contamination in the surrounding area.

Federal Databases

Superfund Sites

The U.S. Environmental Protection Agency's (USEPA) National Priorities List identifies confirmed hazardous waste sites, (Superfund sites) that are ranked for clean-up under the federal Superfund program. This program was authorized by the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA).

The subject property is not on the U.S. Environmental Protection Agency's (USEPA) National Priorities List. There are not any USEPA Superfund sites listed within an approximate one-mile radius of any of the subject site.

CERCLIS Sites

A check was made of the USEPA's CERCLA Information System (CERCLIS). The CERCLIS is a comprehensive database and management system that inventories and tracks sites addressed or needing to be addressed by the Superfund program. Sites that the USEPA decide do not warrant further evaluation under the Superfund program are delisted.

The subject property is not on the USEPA's CERCLA Information System (CERCLIS) list. There are not any CERCLIS sites located within ½ mile of the subject site.

RCRA Treatment/Storage/Disposal Facilities

The USEPA's RCRA hazardous waste Treatment/Storage/Disposal (TSD) Facilities database includes facilities that transport, treat, store and/or dispose of hazardous wastes, or have engaged in these activities in the past. TSD operators, as with hazardous waste transporters or generators, are regulated under the Resource Conservation and Recovery Act (RCRA).

The subject property is not listed on the USEPA's RCRA hazardous waste TSD database list. There are no RCRA TSD facilities listed within ½ mile of the subject property.

RCRA CORRACTS

CORRACTS is a list of hazardous waste handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

The subject property is not on the list. There are not any RCRA CORRACTS facilities located within one mile of the subject property.

RCRA Hazardous Waste Generators

RCRA Hazardous Waste Generators are regulated by the federal government under the Resource Conservation and Recovery Act (RCRA). An inventory of hazardous waste generators is useful to assess the kinds of hazardous materials/wastes that are handled, stored, and/or transported in the vicinity of the site, as well as on the subject property.

The subject property does not appear in the RCRA Hazardous Waste Generator database. One adjoining property, the Woodrow Dry Cleaners, located at 645 Rossville Avenue, appears in the database. This facility is listed as a small quantity generator of hazardous wastes. There are not any RCRA violations indicated for this facility.

Emergency Response Notification System

USEPA's Emergency Response Notification System (ERNS) database contains information from federal agencies on CERCLA hazardous substance releases or spills in quantities greater than the reportable quantity.

There are no reported ERNS releases or spills listed at the subject site.

State Databases

Inactive Hazardous Waste Disposal Sites

A NYSDEC's Inactive Hazardous Waste Disposal Sites Registry contains information on potentially hazardous waste sites in New York State.

The subject property is not included in the Registry. There are not any Inactive Hazardous Waste Disposal sites located within one mile of the subject property.

Spill Logs

The NYSDEC Spill Logs database for Region 2 (New York City) was checked for reported spills of toxic or hazardous materials (including petroleum products) within ½ mile of the subject property. Spill incidents listed as "Closed" mean that either records and data submitted indicate that the necessary cleanup and removal actions have been completed and no further remedial activities are necessary, or the case was closed for administrative reasons (e.g., multiple reports of a single spill consolidated into a single spill number). The NYSDEC however reserves the right to require additional remedial work in relation to a spill if in the future it determines that further action is necessary. Spills listed as leaking tanks indicate the possibility of oil or gasoline seepage to the surrounding soils or groundwater. Other spills (i.e., traffic accidents, sloppy housekeeping, equipment failures, etc.) may only affect surface soils.

There are not any NYSDEC-reported spill incidents listed at or adjacent to the subject property. There are two Leaking Tank spill incidents listed within ½ mile of the subject property (see Attachment C). Both of these spill incidents occurred more than $^1/_8$ mile from the subject site and both have been designated as closed by the NYSDEC.

Petroleum Bulk Storage Facilities

A check was made of the most recent NYSDEC Petroleum Bulk Storage (PBS) database. Petroleum bulk storage facilities have petroleum storage capacities in excess of eleven hundred (1,100) gallons, and less than four hundred thousand (400,000) gallons.

The subject property and adjoining properties do not appear in the PBS database.

Solid Waste Facilities

A check was made of the NYSDEC database of solid waste facilities, including, but not limited to, landfills, incinerators, transfer stations, recycling centers.

The subject site is not identified in this database. There are not any Solid Waste Facility sites located within ½ mile of the subject property.

Radon

Radon, a naturally occurring radioactive gas, is the product of the decay of radium. It is found most frequently in relatively high concentrations in rock formations containing uranium, granite, shale, phosphate, and pitchblende. Radon may also be found in soils contaminated with industrial waste from uranium and phosphate mining. Radon as a gas can move through the soil and water, and into the atmosphere, and is a potential health concern if confined in sufficiently high concentrations in indoor environments. The U.S. Environmental Protection Agency (USEPA) has set an "action level" of 4.0 picocuries per liter for continuous long term exposure to radon gas. If radon gas is measured above this level, USEPA suggests follow-up testing and remediation measures.

According to Federal EPA Radon Information, Richmond County, New York falls within Radon Zone 3 which has an average indoor radon level below 2 picocuries per liter.

Based on these low average levels for Richmond County, it is unlikely that radon gas levels at the site would exceed the USEPA action level of 4.0 picocuries per liter.

Site Topography and Elevation

The subject site is mapped on the USGS 7.5 Minute Topographic Map Arthur Kill, N.Y. Quadrangle (Photo revised 1981). The general elevation for the sites is depicted as between 110 and 120 feet above mean sea-level.

D. SCOPE OF WORK

Historical site research is important in the assessment of the likelihood of past releases of hazardous substances (which include petroleum products). Sources of historical information for the subject property include:

- Local library documents (historical, maps, atlases, address directories).
- Interviews with site contacts, current site operators, and site owners.
- USGS topographic maps, land use and zoning maps, flood plain maps.
- New York City Buildings Department for building history including construction, demolition, and alteration permits.

The following regulatory agency lists and databases of documented hazardous waste sites, waste handlers, and spills are checked for the vicinity of the subject property:

- U.S. Environmental Protection Agency for location of Superfund and CERCLIS sites, ERNS database, and RCRA Hazardous Waste Generators and Treatment/Storage/Disposal Facilities (TSDF).
- New York State Department of Environmental Conservation, Region 2, for hazardous waste spill logs, Inactive Hazardous Waste Disposal Sites, and registered tank lists, Solid Waste Facilities.

The site visit involves a review of current operations, interviews with knowledgeable on-site occupants or building managers, and inspection of accessible areas of the building and inspection of the property for visible indications of any significant contamination by toxic or hazardous materials. The investigation includes the following objectives:

- To identify sources of potential on-site contamination, such as underground storage tanks, dry wells, interior floor drains, transformers (which may contain PCBs), suspected asbestos-containing materials, and suspected lead-based paints, etc.
- To examine the property for signs of potential contamination: stained soils, unusual odors, stressed or dead vegetation, improperly stored drums, oil slicks, on-site waste disposal/dumping, etc.
- To identify the quantity and type of toxic or hazardous substances (if any) used in the on-site operations.
- To determine if any on-site toxic and hazardous materials are stored, handled and disposed of in accordance with good practice, minimizing the potential for contamination.
- To identify potential off-site sources of contamination. Adjacent uses are noted, particularly auto-related and industrial sites.
- To identify on-site or adjacent off-site sensitive receptors, such as wetlands, surface waters, drinking water wells.

Not all of the objectives described above are applied to every site; investigations are tailored to the particular nature of the site. It should be noted that information requested from regulatory agencies may be incomplete or unavailable within a reasonable time period.

E. QUALIFICATIONS

EPDSCO, Inc. is an environmental consulting firm that has undertaken environmental site assessment studies since 1987. These site evaluation studies have been prepared for major lenders, public corporations, businesses, and governmental agencies.

Individual qualifications of personnel, including specific credentials of persons involved in the preparation of this report, can be provided upon request.

F. DISCLAIMER

This report is for use by Woodrow Plaza LLC, and is only to be used as a guide in determining the potential for contamination by toxic or hazardous materials on the subject property at the time of the site visit. This Phase I Environmental (ESA) is based principally on the review of historic and regulatory records (made available within a reasonable time period), relating to past occupants and usage of the subject property, as well as activities at nearby sites, and upon a visual assessment of the subject property, and makes no determinations with respect to portions of the subject property and its structures which were not inspected.

This Phase I ESA does not involve any sampling, testing, or laboratory analysis of subsurface soils, groundwater or building materials or other substances on-site, but constitutes only the professional opinion of our staff based on established procedures and protocols. This Phase I ESA is not, and should not be construed as, a guaranty, warranty, or certification of the presence or absence of toxic or hazardous substances, which can be made only with testing, and contains no formal plans or recommendations to rectify or remediate the presence of any toxic or hazardous substances, which may be subject to regulatory approval.

Any and all liability shall be limited solely to the cost of this Environmental Site Assessment report. EPDSCO Inc., shall have no liability for any other damages, whether consequential, compensatory, punitive, or special, arising out of incidental to, or as a result of, this assessment. We assume no liability for the use of this report by any person or entity other than the institution and/or entities or persons for whom it has been prepared.

ATTACHMENT A

FIGURES

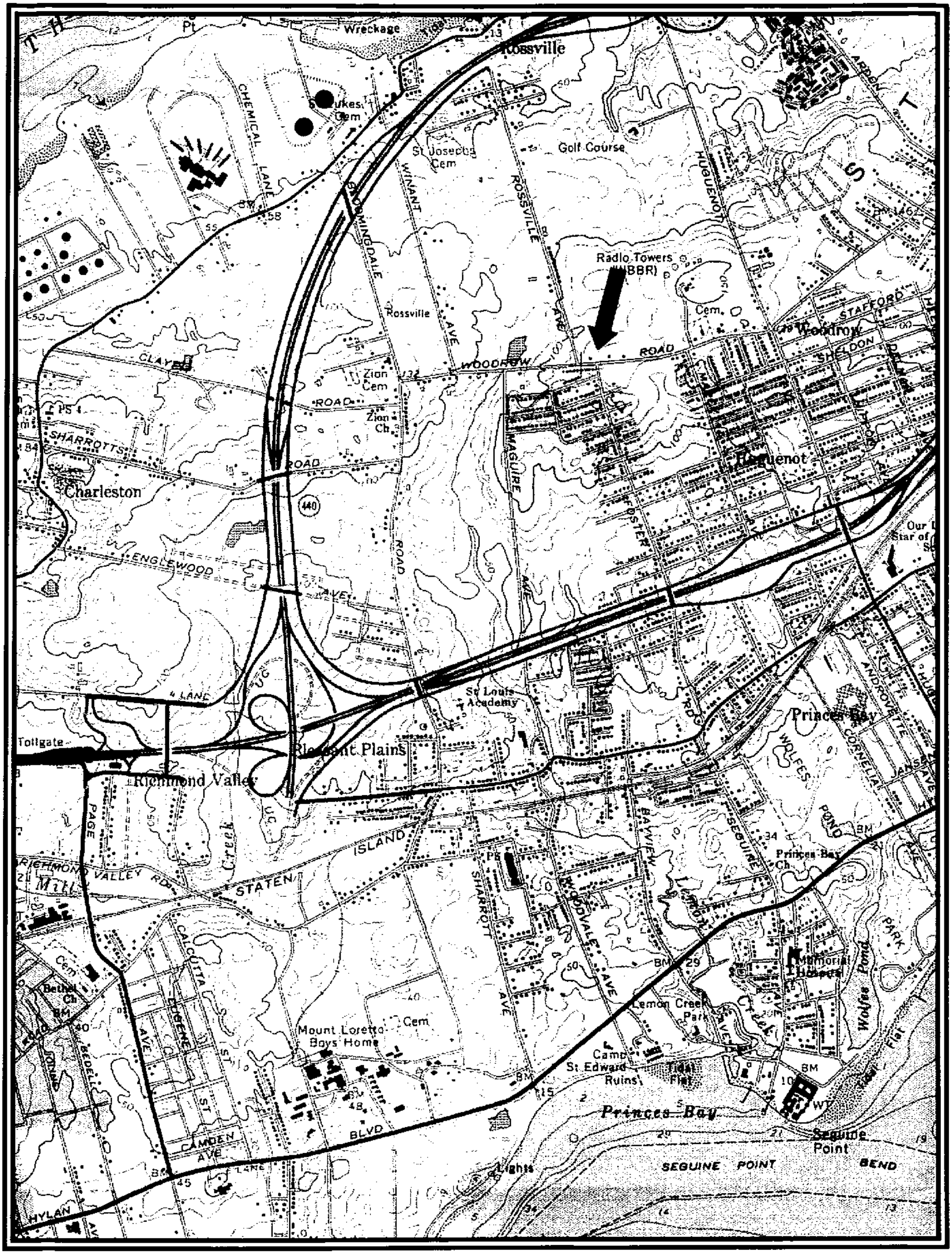


Figure 1 – Subject Property Location
U.S.G.S. 7.5 Minute Series Topographic Map
Arthur Kill, N.Y.-N.J. Quadrangle (1981)

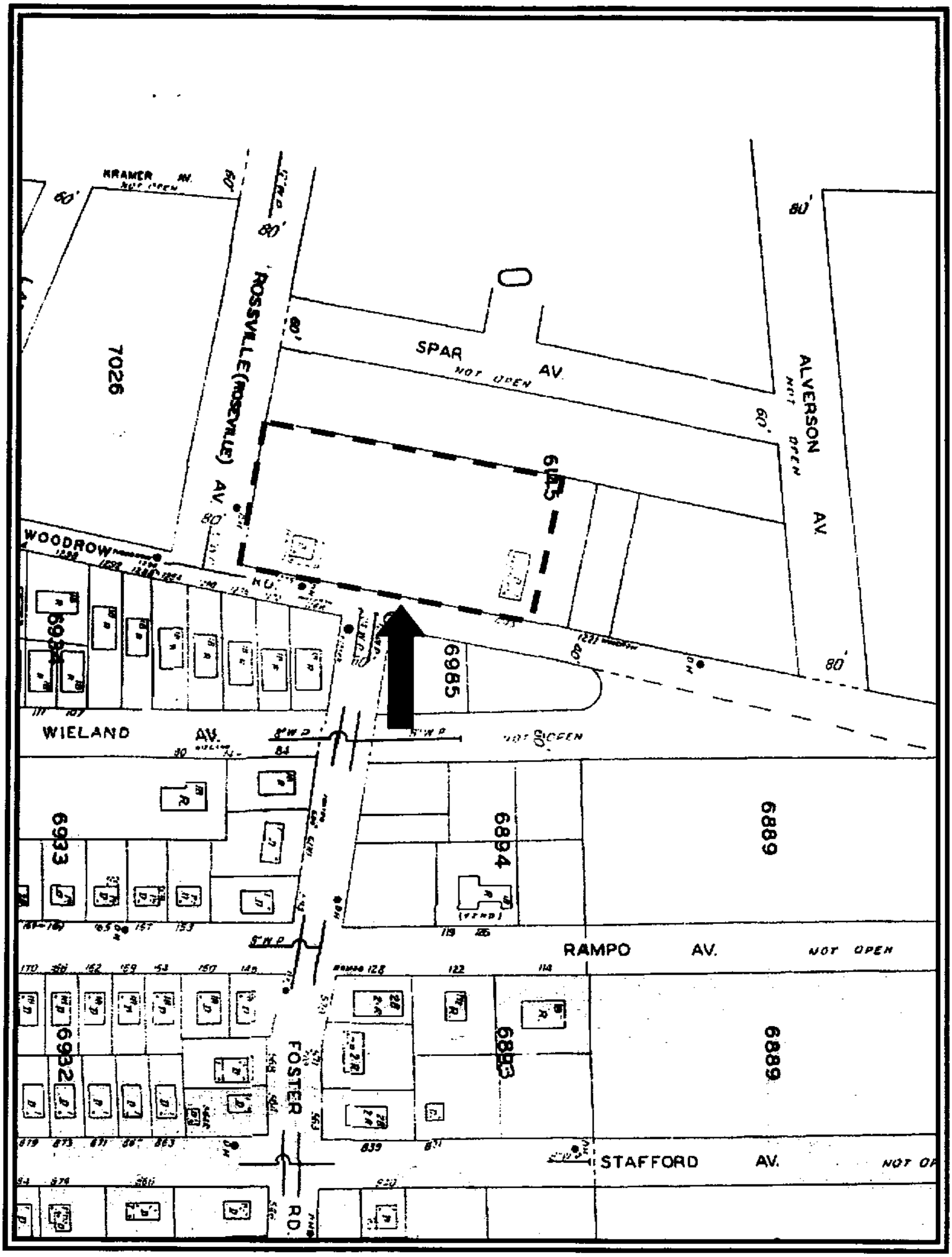


Figure 2
Subject Property Location
1977 Sanborn Map

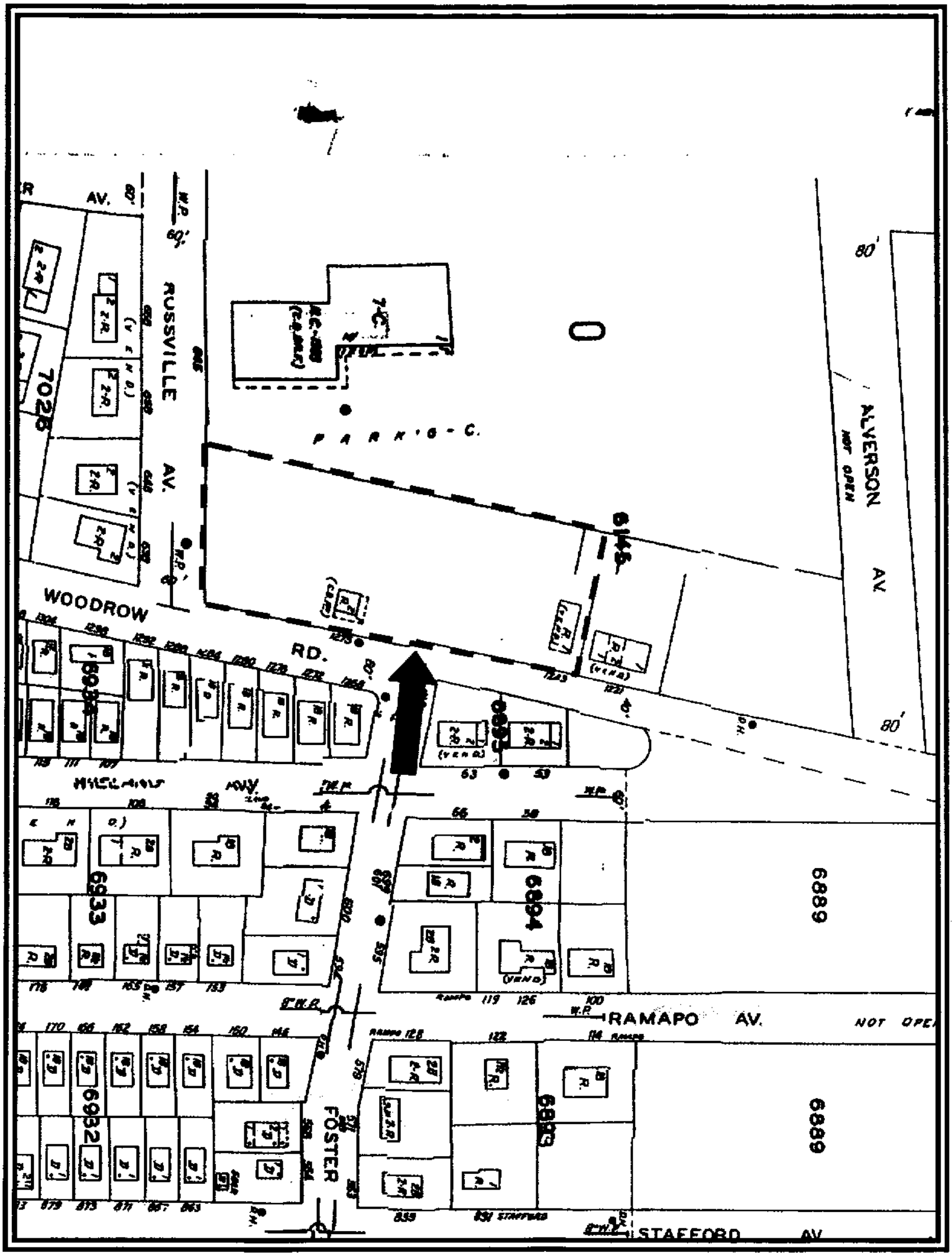


Figure 3
Subject Property Location
1983 Sanborn Map

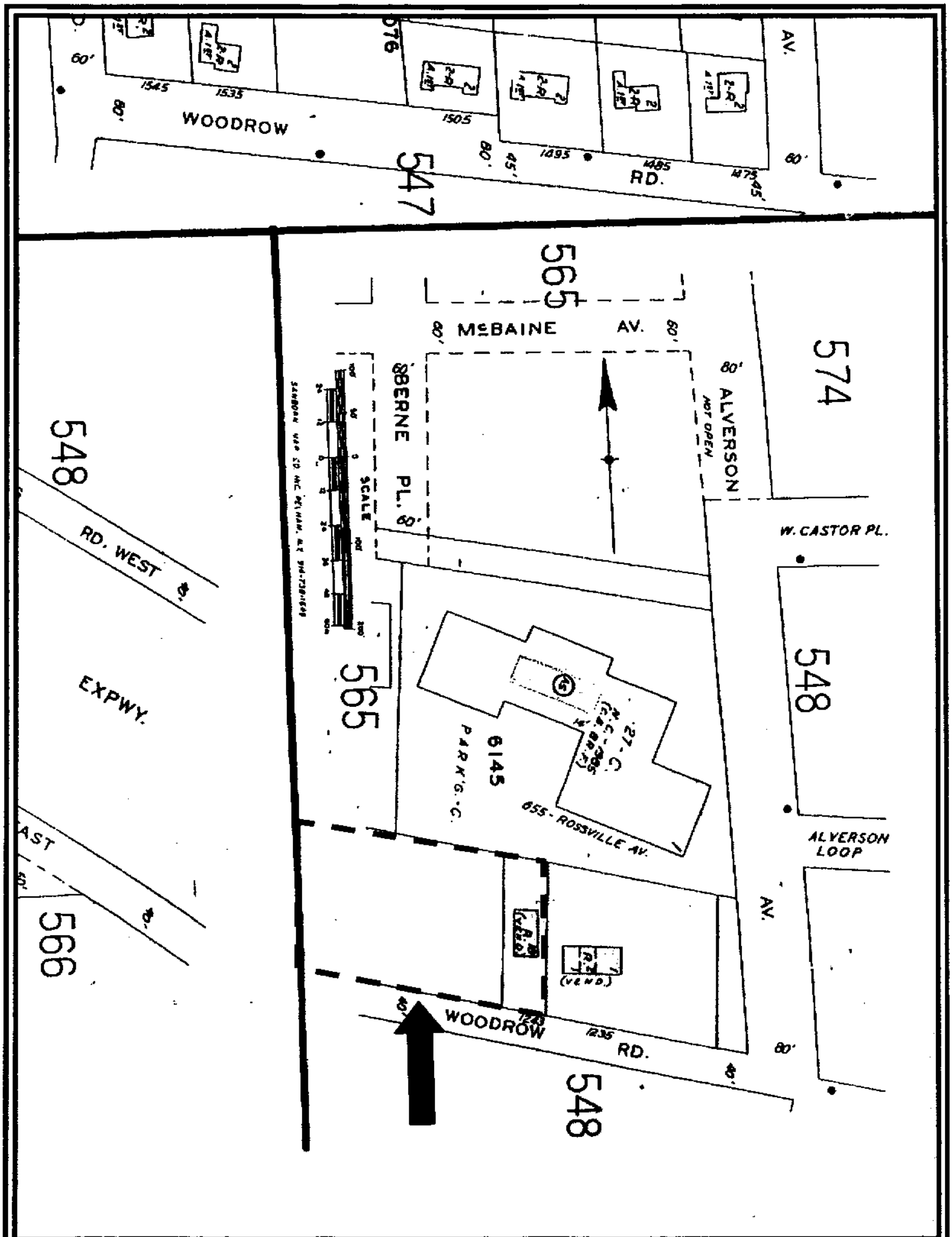


Figure 4
Subject Property Location-Eastern Portion
1988 Sanborn Map

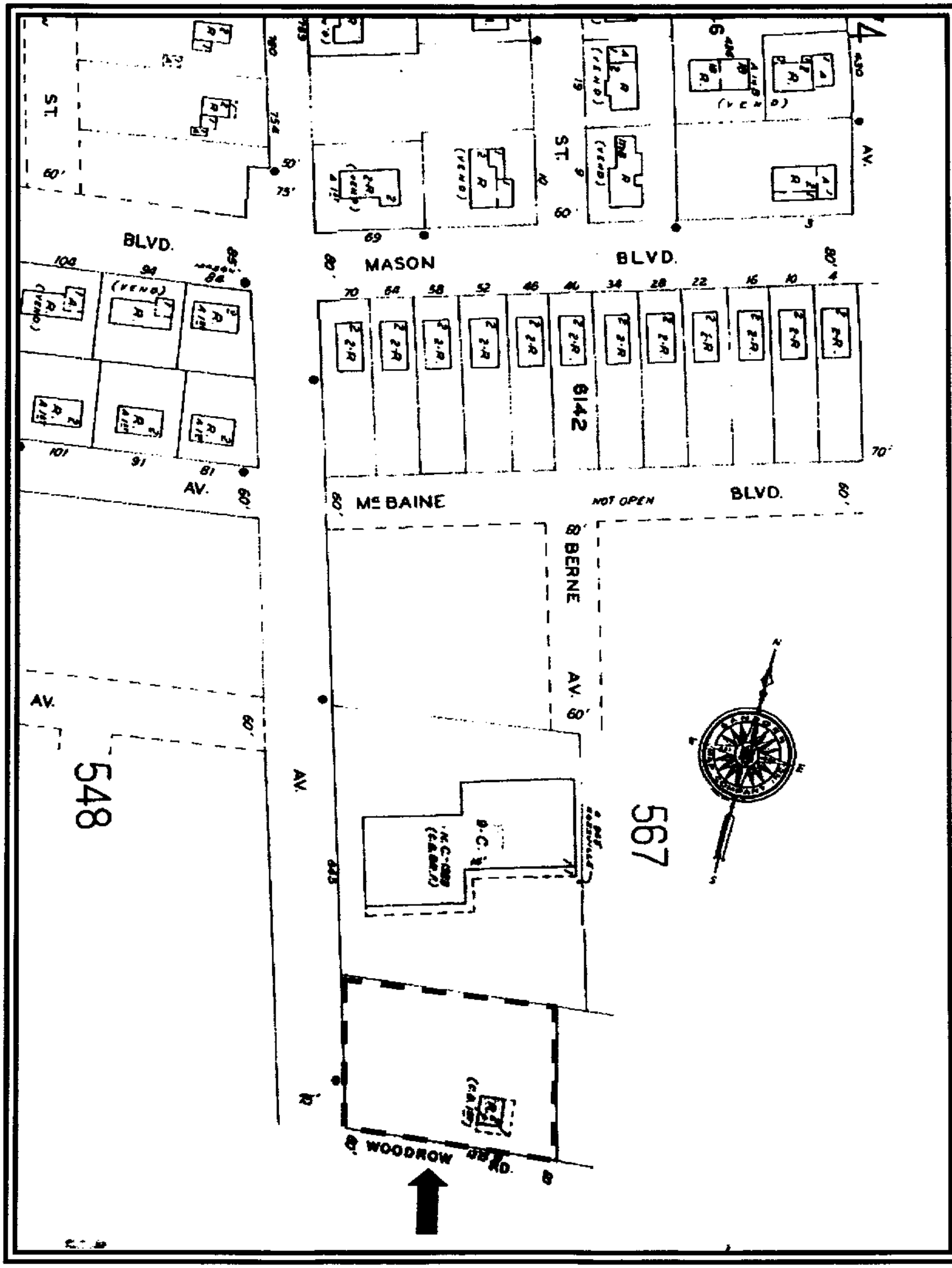


Figure 5
Subject Property Location-Western Portion
1988 Sanborn Map

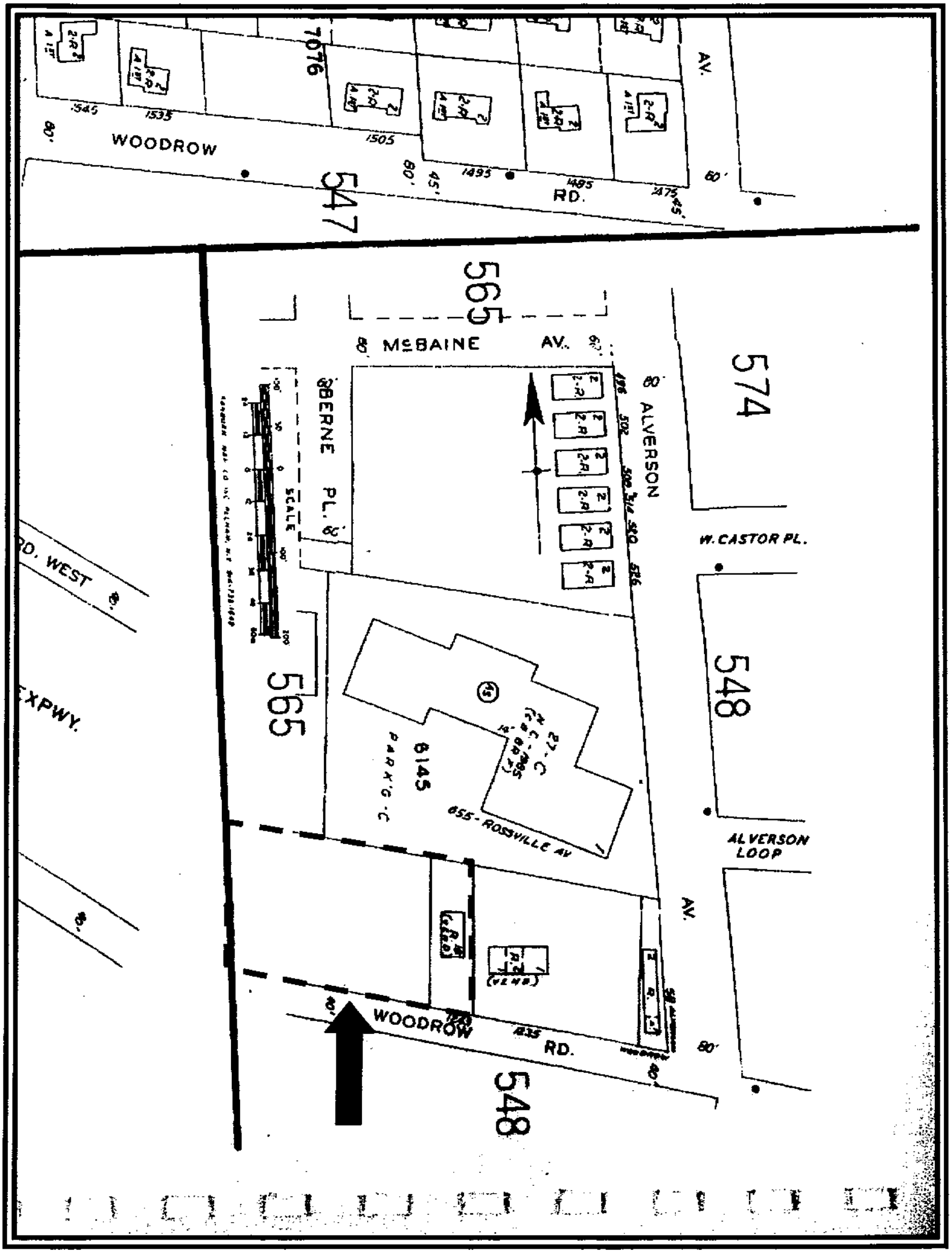


Figure 6
Subject Property Location-Eastern Portion
1996 Sanborn Map

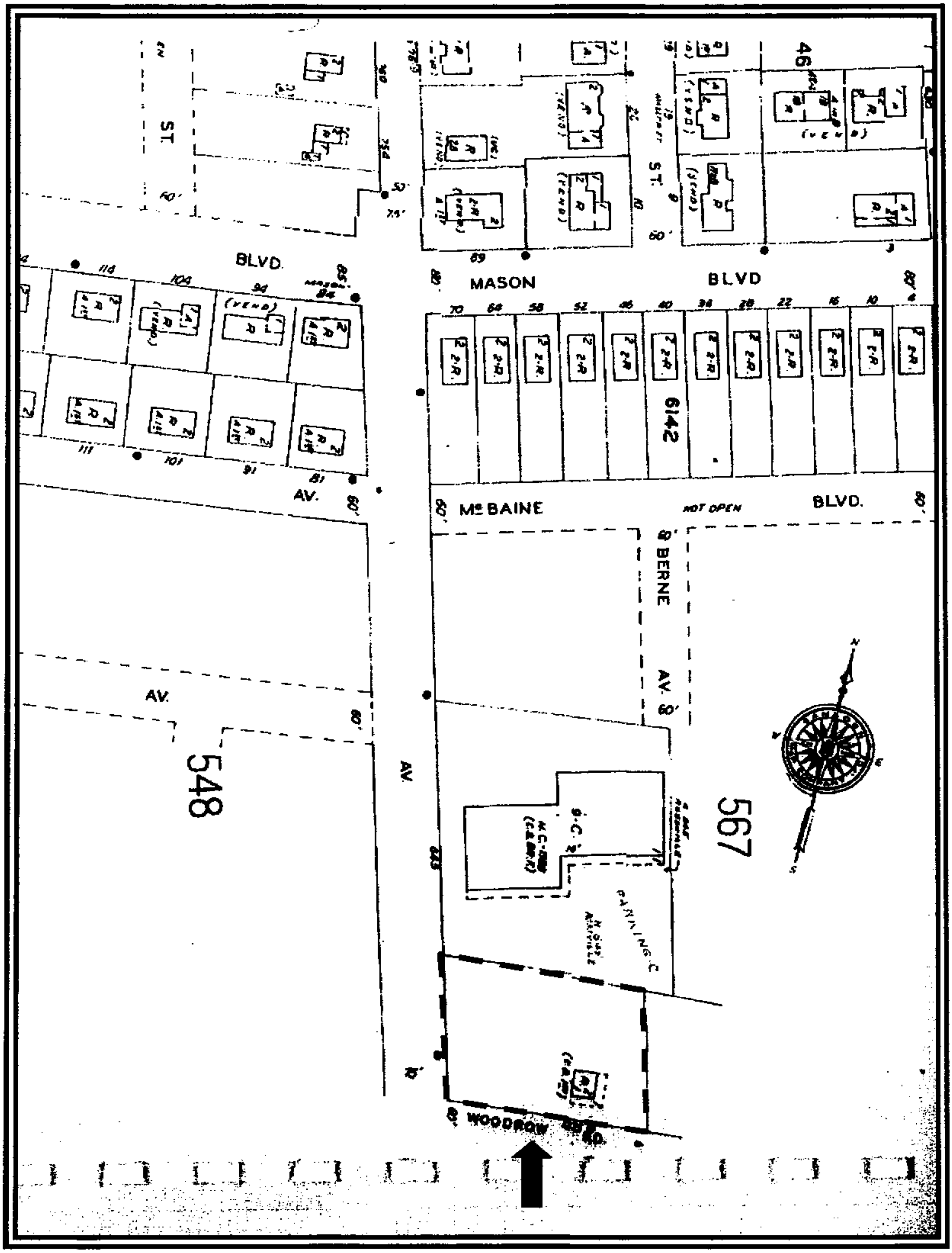


Figure 7
Subject Property Location-Western Portion
1996 Sanborn Map

Figure 8 – Subject Property Location
1943 Aerial Photograph

Figure 9 – Subject Property Location
1954 Aerial Photograph

Figure 10 – Subject Property Location
1966 Aerial Photograph

Figure 11 – Subject Property Location
1972 Aerial Photograph

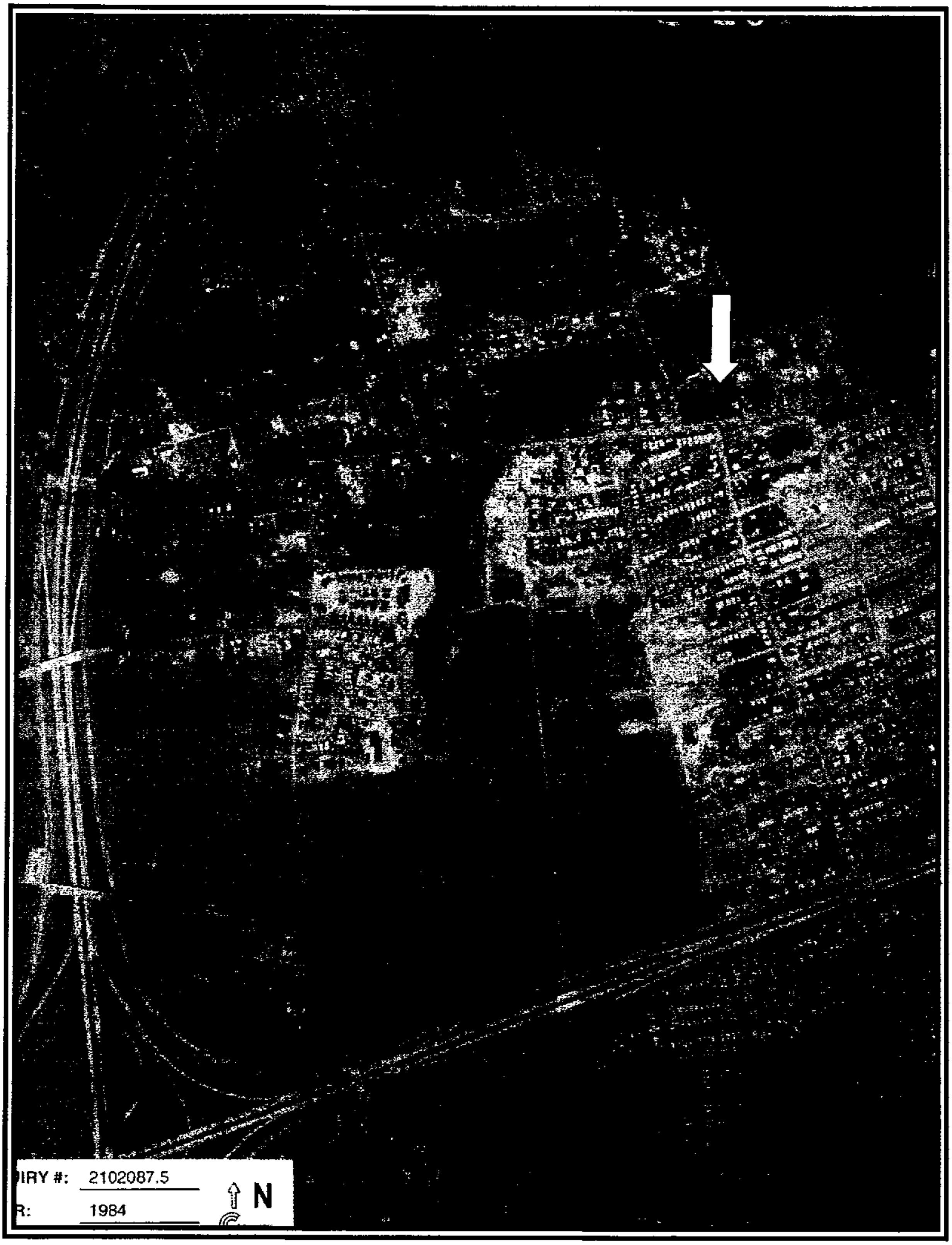


Figure 12 – Subject Property Location
1984 Aerial Photograph

Figure 13 – Subject Property Location
1995 Aerial Photograph

ATTACHMENT B

PHOTOGRAPHS

Photo 1
View of subject property at 1243-1275 Woodrow Road,
Staten Island, NY, facing east from the western portion of the property.

Photo 2
View of interior portion of the subject property, facing south from the northern end of the site.

Photo 3
View of subject property facing north from Woodrow Road. It is likely that this area was the old driveway for the former dwelling at 1243 Woodrow Road.

ATTACHMENT C

REGULATORY AGENCY DATABASE INFORMATION FROM ENVIRONMENTAL DATA RESOURCES, INC.

The EDR Radius Map
with GeoCheck®

1243 Woodrow Road
1243 Woodrow Road
Staten Island, NY 10309

Inquiry Number: 2102087.2s

December 17, 2007

EDR® Environmental
Data Resources Inc

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

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

FORM-STD-MRL

TABLE OF CONTENTS

SECTION | **PAGE**

GEOCHECK ADDENDUM

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

1243 WOODROW ROAD
STATEN ISLAND, NY 10309

COORDINATES

Latitude (North):	40.542060 - 40˚ 32' 31.4"
Longitude (West):	74.207090 - 74˚ 12' 25.5"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	567146.4
UTM Y (Meters):	4488014.5
Elevation:	118 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	40074-E2 ARTHUR KILL, NY
Most Recent Revision:	1981

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 search radius around the target property for the following databases:

FEDERAL RECORDS

NPL	National Priority List
Proposed NPL	Proposed National Priority List Sites
Delisted NPL	National Priority List Deletions
NPL LIENS	Federal Superfund Liens
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

EXECUTIVE SUMMARY

HMIRS .... Hazardous Materials Information Reporting System
US ENG CONTROLS .... Engineering Controls Sites List
US INST CONTROL .... Sites with Institutional Controls
DOD .... Department of Defense Sites
FUDS .... Formerly Used Defense Sites
US BROWNFIELDS .... A Listing of Brownfields Sites
CONSENT .... Superfund (CERCLA) Consent Decrees
ROD .... Records Of Decision
UMTRA .... Uranium Mill Tailings Sites
ODI .... Open Dump Inventory
TRIS .... Toxic Chemical Release Inventory System
TSCA .... Toxic Substances Control Act
FTTS .... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
SSTS .... Section 7 Tracking Systems
LIENS 2 .... CERCLA Lien Information
RADINFO .... Radiation Information Database
US CDL .... Clandestine Drug Labs
HIST FTTS .... FIFRA/TSCA Tracking System Administrative Case Listing
DEBRIS REGION 9 .... Torres Martinez Reservation Illegal Dump Site Locations
ICIS .... Integrated Compliance Information System
LUCIS .... Land Use Control Information System
DOT OPS .... Incident and Accident Data
PADS .... PCB Activity Database System
MLTS .... Material Licensing Tracking System
MINES .... Mines Master Index File
FINDS .... Facility Index System/Facility Registry System
RAATS .... RCRA Administrative Action Tracking System

STATE AND LOCAL RECORDS

HSWDS .... Hazardous Substance Waste Disposal Site Inventory
SHWS .... Inactive Hazardous Waste Disposal Sites in New York State
DEL SHWS .... Delisted Registry Sites
SWF/LF .... Facility Register
SWRCY .... Registered Recycling Facility List
SWTIRE .... Registered Waste Tire Storage & Facility List
UST .... Petroleum Bulk Storage (PBS) Database
CBS UST .... Chemical Bulk Storage Database
MOSF UST .... Major Oil Storage Facilities Database
HIST UST .... Historical Petroleum Bulk Storage Database
AST .... Petroleum Bulk Storage
CBS AST .... Chemical Bulk Storage Database
HIST AST .... Historical Petroleum Bulk Storage Database
MOSF AST .... Major Oil Storage Facilities Database
NY Spills .... Spills Information Database
NY Hist Spills .... SPILLS Database
ENG CONTROLS .... Registry of Engineering Controls
INST CONTROL .... Registry of Institutional Controls
VCP .... Voluntary Cleanup Agreements
BROWNFIELDS .... Brownfields Site List
SPDES .... State Pollutant Discharge Elimination System
AIRS .... Air Emissions Data
CBS .... Chemical Bulk Storage Site Listing
E DESIGNATION .... E DESIGNATION SITE LISTING

EXECUTIVE SUMMARY

MOSF........................ Major Oil Storage Facility Site Listing

TRIBAL RECORDS

INDIAN RESERV.............. Indian Reservations
INDIAN LUST................. Leaking Underground Storage Tanks on Indian Land
INDIAN UST.................. Underground Storage Tanks on Indian Land

EDR PROPRIETARY RECORDS

Manufactured Gas Plants... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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.

FEDERAL RECORDS

RCRAInfo: 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 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 06/13/2006 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
WOODROW DRY CLEANERS	***645-105 ROSSVILLE AVENU***	***1/8 - 1/4NW***	***A3***	***7***

EXECUTIVE SUMMARY

STATE AND LOCAL RECORDS

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 10/02/2007 has revealed that there are 2 LTANKS sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
655 ROSSVILLE AVE Date Closed: 02/25/03	*655 ROSSVILLE AVE*	*1/8 - 1/4 NW*	*A4*	*27*
819 ROSSVILLE AVENUE Date Closed: 01/30/97	*819 ROSSVILLE ANENUE*	*1/4 - 1/2 N*	*5*	*29*

HIST LTANKS: A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database.

A review of the HIST LTANKS list, as provided by EDR, and dated 01/01/2002 has revealed that there are 2 HIST LTANKS sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
655 ROSSVILLE AVE	*655 ROSSVILLE AVE*	*1/8 - 1/4 NW*	*A4*	*27*
819 ROSSVILLE AVENUE	*819 ROSSVILLE ANENUE*	*1/4 - 1/2 N*	*5*	*29*

MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 08/27/2007 has revealed that there is 1 NY MANIFEST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
WOODROW DRY CLEANERS	*645-105 ROSSVILLE AVENU*	*1/8 - 1/4 NW*	*A3*	*7*

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 is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
WOODROW DRY-CLEANERS	645-105 ROSSVILLE AVE.	1/8 - 1/4 NW	A1	6

EXECUTIVE SUMMARY

RES DECL: A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

A review of the RES DECL list, as provided by EDR, and dated 12/31/1992 has revealed that there is 1 RES DECL site within approximately 0.18 miles of the target property.

Lower Elevation	Address	Dist / Dir	Map ID	Page
LOT 40,TAXBLOCK 6145	645 ROSSVILLE AVENUE	1/8 - 1/4NW	A2	6

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

Site Name	Database(s)
LJ & M LAPLACE	NY MANIFEST
NYSDEC	NY MANIFEST
CONSOLIDATED EDISON	NY MANIFEST
CONSOLIDATED EDISON	NY MANIFEST
L & L PAINTINT	NY MANIFEST
NYS BRIDGE BIN #1-06971-1&2	RCRA-LQG, NY MANIFEST
E.G. CLEMENTE CONTRACTING CORP	SWF/LF
NYC DEP-ARTHUR KILL ROAD	FINDS
VERRAZANO BRIDGE	NY Spills
FRESHKILLS LANDFILL	NY Spills, NY Hist Spills
OUTERBRIDEG CROSSING	NY Spills
SIDE OF ROAD	NY Spills, NY Hist Spills
WOODROW RD	NY Spills
BENSON AVE/MASON AVE	NY Spills
WILLOW BROOK ROAD	NY Spills, NY Hist Spills
546 DRUMGOOLE ROAD	NY Spills, NY Hist Spills
TOTTENVILLE MARINA	NY Spills, NY Hist Spills
ARTHUR KILL ROAD AT	NY Spills
BRADFORD AVE AND	NY Spills, NY Hist Spills
4300 AMBOY ROAD	NY Spills, NY Hist Spills
MASON AVE PUMP STATION	NY Spills, NY Hist Spills
NARROWS ROAD NORTH	NY Spills, NY Hist Spills
RIVER ROAD & FOREST AVE	NY Spills, NY Hist Spills
CLOVE ROAD BETWEEN	NY Spills
VETERAN'S ROAD WEST	NY Spills, NY Hist Spills
POLE # 20341	NY Spills
MAN HOLE #7110	NY Spills

OVERVIEW MAP - 2102087.2s

☆ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

♟ Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

County Boundary

Oil & Gas pipelines

100-year flood zone

500-year flood zone

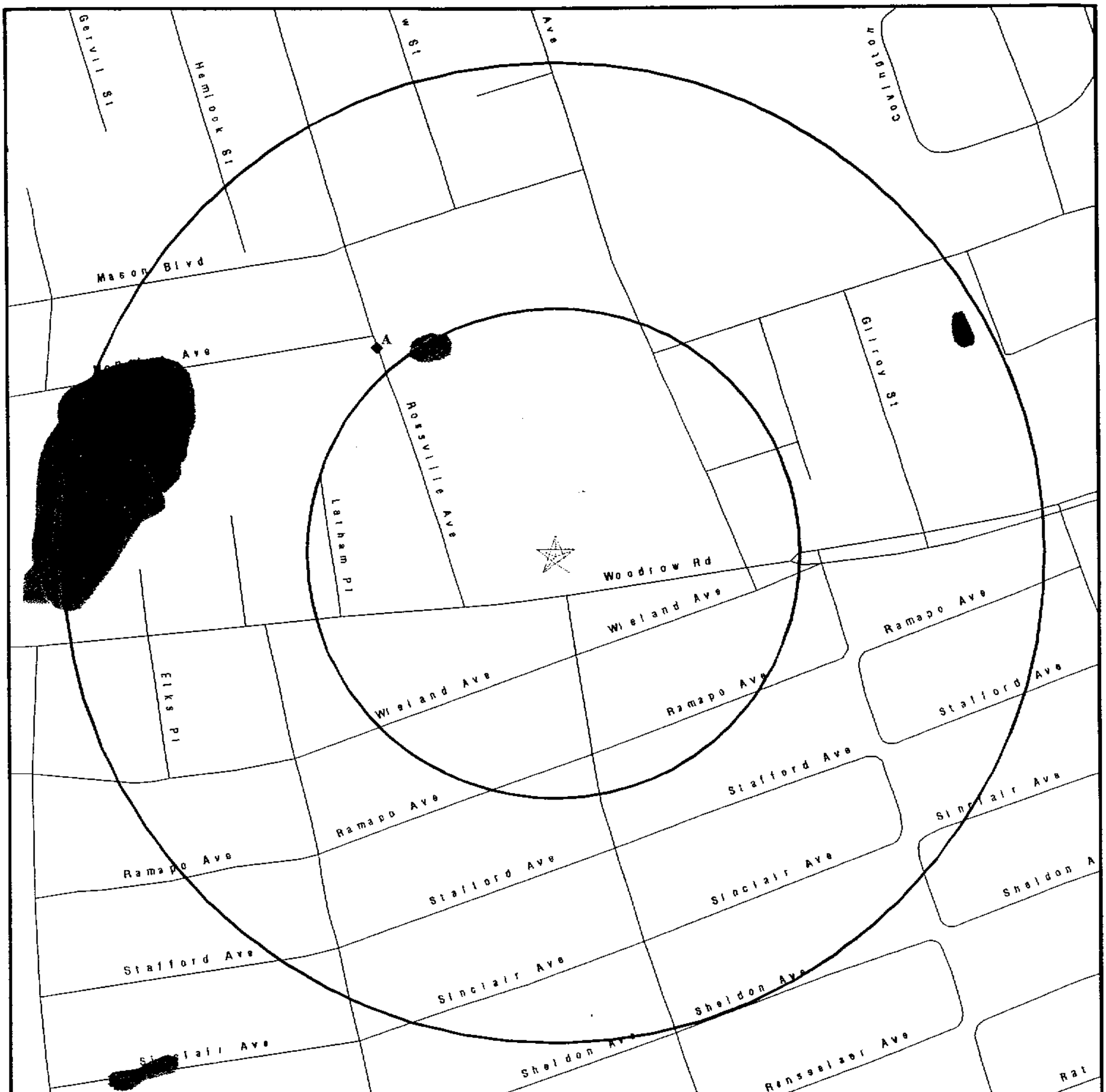
National Wetland Inventory

State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 1243 Woodrow Road ADDRESS: 1243 Woodrow Road Staten Island NY 10309 LAT/LONG: 40.5421 / 74.2071	CLIENT: \Todd McArthur CONTACT: 2102087.2s INQUIRY #: December 17, 2007 12:45 pm DATE:

DETAIL MAP - 2102087.2s



0 1/16 1/8 1/4 Miles

- ☆ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines
- National Wetland Inventory
- State Wetlands

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 1243 Woodrow Road ADDRESS: 1243 Woodrow Road Staten Island NY 10309 LAT/LONG: 40.5421 / 74.2071	CLIENT: \Todd McArthur CONTACT: 2102087.2s INQUIRY #: December 17, 2007 12:45 pm DATE:

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 RECORDS								
NPL		1.000	0	0	0	0	NR	0
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		0.500	0	0	0	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	0	1	NR	NR	NR	1
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	0	NR	0
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS		TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
LIENS 2		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
HIST FTTS		TP	NR	NR	NR	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
STATE AND LOCAL RECORDS								
HSWDS		0.500	0	0	0	NR	NR	0
State Haz. Waste		1.000	0	0	0	0	NR	0
DEL SHWS		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
SWRCY		0.500	0	0	0	NR	NR	0
SWTIRE		0.500	0	0	0	NR	NR	0
LTANKS		0.500	0	1	1	NR	NR	2

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
HIST LTANKS		0.500	0	1	1	NR	NR	2
UST		0.250	0	0	NR	NR	NR	0
CBS UST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	0	NR	NR	0
HIST UST		0.250	0	0	NR	NR	NR	0
AST		0.250	0	0	NR	NR	NR	0
CBS AST		0.250	0	0	NR	NR	NR	0
HIST AST		TP	NR	NR	NR	NR	NR	0
MOSF AST		0.500	0	0	0	NR	NR	0
MANIFEST		0.250	0	1	NR	NR	NR	1
NY Spills		0.125	0	NR	NR	NR	NR	0
NY Hist Spills		0.125	0	NR	NR	NR	NR	0
ENG CONTROLS		0.500	0	0	0	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	1	NR	NR	NR	1
BROWNFIELDS		0.500	0	0	0	NR	NR	0
SPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
CBS		0.250	0	0	NR	NR	NR	0
E DESIGNATION		TP	NR	NR	NR	NR	NR	0
RES DECL		0.180	0	1	NR	NR	NR	1
MOSF		0.500	0	0	0	NR	NR	0
TRIBAL RECORDS								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
EDR PROPRIETARY RECORDS								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

ATTACHMENT D

CITY DIRECTORY ABSTRACT FROM ENVIRONMENTAL DATA RESOURCES, INC.

EDR® Environmental
Data Resources Inc

The EDR-City Directory
Abstract

1243 Woodrow Road
1243 Woodrow Road
Staten Island, NY 10309

Inquiry Number: 2102087.6

Monday, December 17, 2007

The Standard in Environmental Risk Information

440 Wheelers Farms Road
Milford, Connecticut 06461

Nationwide Customer Service

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

EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1928 through 2005. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

This report compiles information by geocoding the subject properties (that is, plotting the latitude and longitude for such subject properties and obtaining data concerning properties within 1/8th of a mile of the subject properties). There is no warranty or guarantee that geocoding will report or list all properties within the specified radius of the subject properties and any such warranty or guarantee is expressly disclaimed. Accordingly, some properties within the aforementioned radius and the information concerning those properties may not be referenced in this report.

Date EDR Searched Historical Sources: December 17, 2007

Target Property:
1243 Woodrow Road
Staten Island, NY 10309

Year	***Uses***	***Source***
1928	Address Not Listed in Research Source	New York Telephone
1934	Address Not Listed in Research Source	R. L. Polk Co.
1960	Address Not Listed in Research Source	New York Telephone Company
1965	Address Not Listed in Research Source	New York Telephone Company
1970	**WOODROW RD** OEFELEIN H (1243)	New York Telephone
1975	Address Not Listed in Research Source	New York Telephone Company
1979	Address Not Listed in Research Source	New York Telephone
1984	Address Not Listed in Research Source	New York Telephone
1990	Address Not Listed in Research Source	NYNEX Information Resource Company
1995	Address Not Listed in Research Source	NYNEX
2000	**WOODROW RD** FOSTER RD INTS (1243) VERNON AVE INTS (1243)	Cole Information Services
2005	Address Not Listed in Research Source	Hill-Donnelly Information Services

Adjoining Properties

SURROUNDING
Multiple Addresses
Staten Island, NY 10309

Year	***Uses***	***Source***
1928	**WOODROW RD**	New York Telephone

Year	***Uses***	***Source***
1928 (continued)		
	NAUSE R F FLORIST (1275)	
1934	**FOSTER RD**	R. L. Polk Co.
	SCHWERD MARIE REGISTRAR H (598)	
	WOODROW RD	R. L. Polk Co.
	SPICER THOS W IRENE CHAUF H (1221)	
	NAUSE RICHD F OTTILLE FLORIST (1275)	
	PAPENDICK ANGELLE M WID RICHD W R (1275)	
	PAPENDICK EMMA WID AUG R (1275)	
1960	**RAMAPO AVE**	New York Telephone Company
	WOHLBERG JOHN (122)	
	STAFRD AVE	New York Telephone Company
	LOEFFLER EDW H (815)	
1965	**RAMAPO AVE**	New York Telephone Company
	WOHLBERG JOHN (122)	
	WOODROW RD	New York Telephone Company
	BL BLDRS INC (1275)	
1970	**RAMPO AVE**	New York Telephone
	WOHLBERG JOHN (122)	
	WOODROW RD	New York Telephone
	LENZA CHRISTOPHER (1275)	
1975	**FOSTER RD**	New York Telephone Company
	GALLAGHER H M (600)	
	SAUSS CHARLES T (600)	
	RAMAPO AVE	New York Telephone Company
	MEZZACAPPA NICOLA (119)	
	RAMPO AVE	New York Telephone Company
	WOHLBERG JOHN (122)	
	WIELAND AVE	New York Telephone Company
	LARKIN JAS (84)	
	WOODROW RD	New York Telephone Company
	BAINLARDI RICHARD (1268)	
	BONICA ROBERT (1276)	
	BRADLEY GERALD (1284)	
1979	**FOSTER RD**	New York Telephone
	GALLAGHER HOWARD M (600)	
	HM GALLAGHER EXCAVTNG INC (600)	
	SAUSS CHARLES T (600)	
	RAMAPO AVE	New York Telephone
	MEZZACAPPA NICOLA (119)	

Year	Uses	Source
1979 (continued)		
	****WIELAND AVE****	New York Telephone
	LARKIN JAS (84)	
	MOEN HAROLD (94)	
	OLSEN EDWARD (94)	
	****WOODROW RD****	New York Telephone
	BAINLARDI RICHARD (1268)	
	B R ELECTRIC COINC (1276)	
	BONICA ROBERT (1276)	
	BRADLEY GERALD (1284)	
1984	****FOSTER RD****	New York Telephone
	BLEIMANN KENNETH M (599)	
	GALLAGHER HOWARD M (600)	
	SAUSS CHARLES T (600)	
	****RAMAPO AVE****	New York Telephone
	OGLIO ROBERT (109)	
	****RAMPO AVE****	New York Telephone
	WOHLBERG JOHN (122)	
	****WIELAND AVE****	New York Telephone
	MURPHY C (53)	
	ANELLO SALVATORE (65)	
	TRIMARCO R (65)	
	LARKIN JAS (84)	
	MOEN HAROLD (94)	
	OLSEN EDWARD (94)	
	****WOODROW RD****	New York Telephone
	DIMAGGIO ERASMUS (1189)	
	F & F TRADING CO (1235)	
	FERRANTE FRANK (1235)	
	BAINLARDI RICHARD (1268)	
	BRADLEY GERALD (1284)	
1990	****ALVERSON AVE****	NYNEX Information Resource Company
	DE ANGELIS FRANK (502)	
	NEWMAN LAWRENCE (508)	
	BARRETT L (514)	
	MYERS CINDY (559)	
	BRIZZI ANTHONY J (579)	
	RINALDI M (595)	
	****ALVERSON LOOP****	NYNEX Information Resource Company
	FISCELLA LOUIS (40)	
	DELAHANTY THOMAS (50)	
	FREIN LAWRENCE (50)	

Year	*Uses*	*Source*
1990 (continued)		
	FREIN LAWRENCE (50)	
	FREIN LAWRENCE (50)	
	KRYSZTOFORSKI RICHARD (51)	
	****GILROY****	NYNEX Information Resource Company
	CONTICELLI N (47)	
	FREIGHT BROKERS INTERNATIONAL INC (47)	
	MOLFETTA MICHAEL (47)	
	****RAMAPO AVE****	NYNEX Information Resource Company
	MASSERIA FRANK (40)	
	COGLIANO C (44)	
	COGLIANO V (44)	
	MAGNICCARI RICHARD (47)	
	TOOZE ROGER (48)	
	CIMMINO J (51)	
	PAGAN J (52)	
	SHMUEL SHALOM (52)	
	DE MAIO MARTIN (55)	
	MESSINA JANET & MICHAEL (60)	
	FISHER DENNIS R (74)	
	FONTANAROSA M (77)	
	FONTANAROSA M (77)	
	PARADISO ANTHONY (81)	
	DEVANEY M & L (88)	
	CORBETT WILLIAM (92)	
	CAROLEI JOSEPH J (94)	
	CAROLEI JOSEPHINE (94)	
	NAPOLI DEBORAH (99)	
	MEZZACAPPA NICOLA (119)	
	MOLION D (119)	
	DEVOE L (130)	
	****STAFFORD AVE****	NYNEX Information Resource Company
	DONNELLY A E MAJ (804)	
	REINHART WILLIAM (809)	
	PEREZ RAFAEL (810)	
	SCHWADEL BLAINE (811)	
	CARBONARA ANTHONY (815)	
	MONFERRATO DOMINICK (817)	
	LEE ROGER (820)	
	****STATFORD AVE****	NYNEX Information Resource Company
	THOMPSON K (811)	
	****VERNON AVE****	NYNEX Information Resource Company
	GAGLIARDI CONNIE (4)	

Year	***Uses***	***Source***
1990 (continued)		
	AMEDEO MICHELE (8)	
	DEPERTE LEONARD (8)	
	ANDERSEN KEITH (20)	
	WIELAND AVE	NYNEX Information Resource Company
	BENNETT JOHN (53)	
	SCAVO JOANNE (53)	
	LARKIN JAS (84)	
	MOEN HAROLD (94)	
	OLSEN EDWARD (94)	
	WOODROW RD	NYNEX Information Resource Company
	NG KELLY (1189)	
	RENNA VINCENT STATEN ISLAND (1204)	
	METZGER RICHARD (1212)	
	PALMIERI M (1224)	
	FERRANTE FRANK (1235)	
	GALIA SALES (1235)	
	LENZA ANNA (1275)	
	BRADLEY GERALD (1284)	
1995	**ALVERSON AVE**	NYNEX
	WINDOWS AND WALLS BY REBECCA (508)	
	GILROY ST	NYNEX
	FREIGHT BROKERS INTERNATIONAL INC (47)	
	WOODROW RD	NYNEX
	GALIA SALES (1235)	
	MALE EXPRESS (1280)	
	ALVERSON AVE	NYNEX
	DE ANGELIS FRANK (502)	
	DIMARCO CARLO (526)	
	VERTUCCI GERARD (547)	
	VERTUCCI PAUL (547)	
	BRIZZI ANTHONY J (579)	
	GJONBALAJ BEKA (595)	
	ALVERSON LOOP	NYNEX
	FREIN LAWRENCE (50)	
	FREIN LAWRENCE (50)	
	FREIN LAWRENCE (50)	
	FREIN LAWRENCE (50)	
	FREIN TONI (50)	
	FOSTER RD	NYNEX
	STANLEY J (599)	
	GENTILE JOHN (600)	

Year	*Uses*	*Source*
1995 (continued)		
	RAMAPO AVE	NYNEX
	MASSERIA FRANK (40)	
	COGLIANO C (44)	
	COGLIANO V (44)	
	TOOZE ROGER (48)	
	CIMMINO J (51)	
	PAGAN J (52)	
	CACCAVANO JOSEPH (55)	
	KUKIN IGOR (70)	
	VELLA SATVATORE (72)	
	SILBERZWEIG R (74)	
	GEORGE GARY (81)	
	PARADISO ANTHONY (81)	
	LAM D (86)	
	DRAKE TIMOTHY (88)	
	CAROLEI JOSEPH J (94)	
	NAPOLI DEBORAH (99)	
	MEZZACAPPA NICOLA (119)	
	SANNE M R (130)	
	STAFFORD AVE	NYNEX
	DENARO JAMES (800)	
	LEE ROGER (820)	
	ADELL GEO J (821)	
	VERNON AVE	NYNEX
	SIMEONE P (4)	
	SIMEONE P (4)	
	AMEDEO MICHELE (8)	
	CALO L (12)	
	GANNON T (20)	
	ROTHAAR MARIA (20)	
	WIELAND AVE	NYNEX
	SCAVO JOANNE (53)	
	LARKIN JAS (84)	
	WOODROW RD	NYNEX
	RUIZ JOSEPH (1181)	
	N G KELLY (1189)	
	RENNA VINCENT (1204)	
	CANTOR SYDELLE (1208)	
	REIFER R (1208)	
	GORMAN D (1216)	
	MAURO JODI (1216)	
	MASTROPAOLA STEVEN (1220)	

Year	***Uses***	***Source***
1995 (continued)		
	BARINA MITCH (1224)	
	PALMIERI M (1224)	
	FRANCHINA ELIZABETH (1272)	
	FRANCHINA P A (1272)	
	FRANCHINA PHIL (1272)	
	BRADLEY GERALD (1284)	
2000	**<u>**ALVERSON AVE**</u>**	Cole Information Services
	F DE ANGELIS JR (502)	
	FRANK DEANGELIS (502)	
	GARY HERSCH (502)	
	LAWRENCE NEWMAN (508)	
	MICHELLE NEWMAN (508)	
	NICK NICKLES (508)	
	RBCCS CUSTOM BLND (508)	
	WINDOWS & WILLS RBCC (508)	
	DI PIETRO STEPHEN (514)	
	CARLO DIMARCO (526)	
	GERARD VERTUCCI (547)	
	W CASTOR PL INTS (547)	
	ANTHONY J BRIZZI (579)	
	BEKA GJONBALAJ (595)	
	<u>ALVERSON LOOP**</u>**	Cole Information Services
	KATHY PALUMBO (50)	
	L FREIN (50)	
	LAWRENCE FREIN (50)	
	R KRYSZTOFORSKI (51)	
	<u>FOSTER RD**</u>**	Cole Information Services
	J STANLEY (599)	
	JOHN GENTILE (600)	
	<u>GILROY ST**</u>**	Cole Information Services
	J BOND (47)	
	ANTHONY FORZANO (48)	
	C CICERO (61)	
	CAROL A CICERO (61)	
	L CICERO (61)	
	<u>RAMAPO AVE**</u>**	Cole Information Services
	F GAMBARDELLA (40)	
	FRANK MASSERIA (40)	
	MICHAEL TOOZE (43)	
	C COGLIANO (44)	
	V COGLIANO (44)	
	ROGER TOOZE (48)	

Year	***Uses***	***Source***
2000 (continued)		
	J CIMMINO (51)	
	JULIA CIMMINO (51)	
	M MC HUGH (52)	
	JOSEPH CACCAVANO (55)	
	MARTIN DEMAIO (55)	
	DANKELLE KENNEDY (56)	
	EMILY MESSINA (56)	
	C LENARDO (72)	
	MARK SELTZBERG (74)	
	D ORSOLINO (77)	
	VADIM KOTLYAR (77)	
	YELENA KOTLYAR (77)	
	IGOR KUKIN (78)	
	MARK GRAUER (80)	
	ANTHONY PARADISO (81)	
	GARY GEORGE (81)	
	DONNA MC DOUGALL (82)	
	TIMOTHY DRAKE (86)	
	BUG BSTR TWO CORP (87)	
	JAMES BALDASSANO (87)	
	WILLIAM DAVIS (88)	
	J GRIECO (90)	
	R J CORBETT (92)	
	JOSEPH J CAROLEL (94)	
	A BERTONASCO (95)	
	A M FAUCI (95)	
	DEBORAH NAPOLI (99)	
	JOSEPH ASCH (100)	
	RESIDENCE (118)	
	NICOLA MEZZACAPPA (119)	
	130 NP (122)	
	FOSTER RD INTS (122)	
	VERNON AVE INTS (122)	
	****STAFFORD AVE****	Cole Information Services
	ADAM PIPITONE (800)	
	JAMES DENARO (800)	
	J A KETELS (805)	
	JOHN REINHART (809)	
	DANIEL COLUCCIO (810)	
	KENNETH HERMAN (811)	
	CHING T WANG (814)	
	ANTHONY CARBONARA (815)	
	NORRINE DERESPIIS (817)	

Year	***Uses***	***Source***
2000 (continued)		
	R LEE (820)	
	ROGER LEE (820)	
	ROGER LEE (820)	
	APARTMENTS (821)	
	CHARLES RAIA (821)	
	GEORGE J ADELL (821)	
	****VERNON AVE****	Cole Information Services
	510 510 CT (1)	
	P SIMEONE (4)	
	P SIMEONE (4)	
	WILLIAM JOHNSTON (4)	
	VITO AMEDEO (8)	
	ROBRTY GUIDE (12)	
	WOODROW RD ONTS (16)	
	T GANNON (20)	
	****WIELAND AVE****	Cole Information Services
	JOANNE SCAVO (53)	
	LORI ANDERSON (53)	
	JOHN CIALINO (58)	
	FRANK MAGLIO (66)	
	FRANK MAGLIO (66)	
	FRANK MAGLIO (66)	
	VERNON AVE INTS (66)	
	COLLEEN LARKIN (84)	
	JAMES LARKIN (84)	
	HAROLD MOEN (94)	
	R OLSEN (94)	
	****WOODROW RD****	Cole Information Services
	JAISON GUTERMAN (1181)	
	KEVIN LE BINH (1181)	
	GILROY ST INTS (1189)	
	LSUF REXHAJ (1189)	
	VINCENT RENNA (1204)	
	JODI REIFER (1208)	
	R REIFER (1208)	
	SYDELLE CANTOR (1208)	
	D SCOPELLITO (1216)	
	1221 NP (1220)	
	M PALMIERI (1224)	
	THOMAS VERTICCHIO (1235)	
	1272 NP (1268)	
	ALVERSON AVE INTS (1268)	

Year	***Uses***	***Source***
2000 (continued)		
	1276 NP (1275)	
	GERALD BRADLEY (1284)	
2005	****ALVERSON AVE****	Hill-Donnelly Information Services
	H DEANGELIS FRANK (502)	
	H NEWMAN LAWRENCE AT (508)	
	WINDOWS & WALLS BY REBECCA (508)	
	DI PLETRO STEPHEN 0 H DIPIETRO STEVEN A (514)	
	H ZAMPELLA A AV (514)	
	H NICOLETTI R A AA (520)	
	I GIBILARO G G AT (520)	
	H SPINELLI S AO (526)	
	HDIMARCO I AO (526)	
	HFUNKS O (547)	
	H PH ILLIPS E C A (559)	
	BRIZZI ANTHONY 3 AA (579)	
	H MANCINO S G A (590)	
	MICHARONI TERENCE V O (590)	
	GJONBALAJ BEKA (595)	
	H GJONBALAL BEKA AO (595)	
	****ALVERSON LOOP****	Hill-Donnelly Information Services
	HORTES E O (20)	
	H PATELLA L V O (40)	
	FREIN LAWRENCE (50)	
	H FRELN L A (50)	
	LAWRENCE HEATING & AIR COND (50)	
	RIZZO BERENICE A (50)	
	KRYSZTOFORSKI RICHARD (51)	
	****FOSTER RD****	Hill-Donnelly Information Services
	H NATIVE C (599)	
	ARANYOS ALAYNA (600)	
	H CAPUTO D (600)	
	****GILROY ST****	Hill-Donnelly Information Services
	H MILANTE G A 4 SO (37)	
	TABBITAS P R AO (38)	
	H BOND J & R (47)	
	HSCIACCA LA S (47)	
	H FORZANO ANTHONY AA (48)	
	HLEMMO EA AO (60)	
	N FEGAN JIC AV (60)	
	CICERO C A (61)	
	CICERO CAROL ANN (61)	
	CICERO L (61)	

Year ***Uses*** ***Source***

2005 (continued)

****RAMAPO AVE**** Hill-Donnelly Information Services

H MASSERIA FRANK Z (40)

BAGLO VINCENT V (43)

HTOOZE SERFINA (43)

MICHAELS HEATING & A/C (43)

TOOZE MICHAEL (43)

COGLIANO P 0 H COGLIANO V A (44)

NO CURRENT LISTING (47)

H MISSAK ANTS A (48)

HOCIMMINO (51)

DIPIETRO C V (52)

HGRASSO AJ A (52)

H CACCAVANO JOSEPH A (55)

H DEMIAIO MARTIN (55)

H SPINELLI GARY A (56)

H AFFRONTE 3 A A (60)

H ROSA JOSEPH (60)

HGIUSEPPE R (60)

E DANZA D A (60)

GALOFARO A (61)

H FOLINO MR O (72)

H LENARDO C (72)

HEMESTO VJ (72)

H SET ZBERG M S (74)

H GUZO 3 L (76)

H PODOISKY GENNADY A (77)

K BEKKER LIANA V (78)

EMPRESS TRAVEL AGENCY (80)

HGRAUER MARK A (80)

H GEORGE GARY A (81)

HGALOTFA 03 A (81)

MAYER MARIANNA P H PARADISO ANTHONY V (81)

HMARTELLO C C A& 00OO (82)

H DRAKE TIMOTHY (86)

HBELLINO T L AA (86)

BUG BUSTER TWO EXTERMINATING (87)

H BALDASSANO J 3 F A (87)

H DAVIS WILLIAM (88)

HBACANY PJ 05OS (88)

HPETERSEN EH A (88)

H GRIECO 3 A (90)

HTANZILO 3 P AA (91)

HCORBETT WP AA (92)

Year	Uses	Source
2005 (continued)		
	HMEI YN VA 05OS (92)	
	UU YU HUA MEI VS OS (92)	
	H WAINIO DORY A O (94)	
	HVANLIT A VY O (94)	
	H PANZARINO EMIL A (95)	
	H RUSSO R (96)	
	NAPOLI DEBORAH A 8 S (99)	
	BOYLES EILEEN AV (100)	
	RAGUSO J A (100)	
	KAHERINE OGLIO V (109)	
	OG UO KATHERINE A (109)	
	OGL SO KATHERINE (109)	
	HOMLAZARO JA A& (110)	
	DELGORIO F (119)	
	H MEZZACAPPA NICOLA A (119)	
	HMOLION DJ (119)	
	NO CURRENT LISTING (122)	
	H ZCILINGIR A A (130)	
	STAFFORD AVE	Hill-Donnelly Information Services
	H PEMNO V A (800)	
	PERRINO V (800)	
	SCALI JODY & ANTHONY V (800)	
	H WESTROM G L AA AS (801)	
	H BOTTINO V F AO (804)	
	H KRUDNER MAUREEN A (805)	
	H NG A B A (806)	
	H KEATING IE A (807)	
	H DEMASO C VA (809)	
	HPULEO V E AA (810)	
	H HERMAN KENNETH A AS (811)	
	H DELEONARDIS I 4 A (814)	
	CARBONARA ANTHONY (815)	
	H CARDONNA A J (815)	
	H MARANGELLI MARIA V A (816)	
	H MONFERATO NATALIE A (817)	
	H LEE MARIA A (820)	
	H WEISS JEFFREY A (821)	
	VINCID L (821)	
	VERNON AVE	Hill-Donnelly Information Services
	SIMEONE P 0 H SIMEONE P AA (4)	
	H AMEDEO ANTONIO A (8)	
	H COX ROBERT AV (8)	
	HBROWNE KD VO (12)	

Year	*Uses*	*Source*
2005 (continued)		
	LEE KEVIN 3 V 0 H (12)	
	HKOLBASUK G L A (16)	
	H GANNON T A (20)	
	H BRADLEY GERALD 3 A 0 0OOO (20)	
	WIELAND AVE	Hill-Donnelly Information Services
	DELLAVECCHIA WILLIAM (48)	
	HSTALLONE D M (48)	
	LEPORE OTTAVIO AO (52)	
	H SCAVO JOANNE (53)	
	HBENNETT JB 0 AS (53)	
	H GLYCENFER LORI (53)	
	NO CURRENT LISTING (58)	
	HANTONAKOS J AA (65)	
	MAGLIO FRANK (66)	
	N MAGLIO FRANK AA (66)	
	HCARPIO V A (84)	
	BERMUDEZ DC V (94)	
	H MOEN HAROLD A (94)	
	WOODROW RD	Hill-Donnelly Information Services
	HGUTERMNAN M AC (1181)	
	VLLLAMAGNA NICHOLAS (1181)	
	H REXHAJ ISUF C (1189)	
	H SORANNO MICHAEL A (1204)	
	H NOVELLO PETER C (1208)	
	BARONE FRANK A (1212)	
	H MAURO JOSEPH AC (1216)	
	HROMRANO JM AO (1220)	
	H MATZKO F AO (1220)	
	H MILLER I N Y C (1224)	
	HPALMIERI FT AO (1224)	
	SALVO P V (1224)	
	HC SDRE GS AA (1235)	
	DASCOLI DP AA (1268)	
	H FRANCHIINA PC AO (1272)	
	H BALABAN D A AA (1276)	
	H SANFORD E A (1280)	
	HDELFNO P M C (1284)	
	HTORRES A I AA (1288)	

Appendix B

Health and Safety Plan

HEALTH AND SAFETY PLAN

1243-1275 WOODROW ROAD
STATEN ISLAND, NEW YORK

Project No. 10719
NYCDEP Project # - 09DEPTECH049R
NYC Planning Project # - 07DCP051R

Prepared for:

MR. OTTO SAVO
WOODROW PLAZA, LLC
15 SEQUINE AVENUE
STATEN ISLAND, NEW YORK 10013

OCTOBER 2011

Prepared by:

EEA *Inc.*

55 Hilton Avenue, Garden City, New York 11510
Environmental Consultants To Industry And Government Since 1979
www.eeaconsultants.com

HEALTH and SAFETY PLAN (HASP)
FOR SITE INVESTIGATION
PROPERTY LOCATED AT
1243-1275 WOODROW ROAD
BLOCK 6145, LOTS 13, 16, 40 and 300
STATEN ISLAND, NEW YORK
07DCP051R/09DEPTECH049R

The following Health and Safety Plan (HASP) is only valid for work conducted by EEA, Inc., at 1243-1275 Woodrow Road in Staten Island, New York as defined in the accompanying Phase II Investigation Work Plan. If this work is performed by others, EEA assumes no responsibility for any aspects of this HASP.

I. INTRODUCTION

This Health and Safety Plan (HASP) is prepared for conducting a Phase II Subsurface Investigation at 1243-1275 Woodrow Road in Staten Island, New York. The Subsurface Investigation is limited to collecting soil, soil vapor and/or groundwater samples at four (4) soil boring locations.

This HASP is prepared to be consistent with the anticipated areas of concern. This is the most recent and available information. If additional pertinent information is made available, it will be used to amend this plan. In addition, the site project manager/safety officer may use this information to increase personal protective measures on the study area site. All workers will be briefed on any amendments made to this plan.

This HASP assigns responsibilities, establishes personal protection standards, recommends operating procedures, and provides for contingencies that may arise during performance of the assessment at the site. The protocols in this HASP apply to all personnel involved in the work activities including: EEA, Inc., all outside subcontractors, client, or regulatory agencies present during the performance of the work.

II. GENERAL PROCEDURES AND WORK PLANS FOR SITE INVESTIGATION

Based on what is already known about the site, it is anticipated that Level D protection will be adequate for all other tasks to be performed at the site.

Level D protection will consist of the following:

1. Coveralls
2. Gloves
3. Boot/shoes, leather
4. Hard hat when working in the vicinity of the drill rig
5. Safety glasses will be worn when working in the vicinity of the drill rig.

In the event that air monitoring data, during the excavation of the soils, indicate OVA levels above 5 ppm, all personnel will need to convert to Level C protection. Specifically, the following criteria will be used for the selection of Level C. The description of the levels of personnel protection is presented in Table 1.

1. Measured concentration is within the service limit of the respirator's canister.
2. Atmospheric contaminant concentrations do not exceed IDLH levels.
3. Atmospheric contaminants, liquid splashes, or other direct contact, will not adversely affect the small area of skin left unprotected by chemical resistant clothing.
4. Vapor readings of 5 ppm above background as registered on the OVA meters.

Level C protection will consist of the following protective equipment (e.g., in addition to level D): full-face, air-purifying canister equipped respirator (MSHA/NIOSH approved), and chemical resistant coveralls.

The activities required during the proposed investigation shall involve the exposure of contaminated soil, therefore contributing to the movement of this material to unaffected areas. In order to control soil from releasing airborne contaminants due to its volatility, or wind-blown due to its disturbance, the following contamination control procedures will be instituted:

a. Establish Exclusion Zone - This is the zone where contamination does or could occur. All people entering this zone must wear prescribed levels of protection. An entry and exit check point must be established at the periphery to regulate the flow of personnel and equipment. The exclusion zone, for the purpose of this investigation, will probably include the area of excavation and, therefore, the outer boundaries will need to be established by use of the OVA readings. The radius of this zone will be determined by the distance it will take for the OVA readings to stabilize between 0 to 5 ppm.

b. Establish Contamination Reduction Zone - This zone provides a transition between contaminated and clean zones. It provides additional assurance that the physical transfer of contaminating substances on people, equipment, or in the air and water is limited through a combination of decontamination procedures. As operations proceed, the area around the decontamination station may become contaminated, but to a much lesser degree than the Exclusion Zone.

On a relative basis, the amount of contamination should decrease due to distance involved and decontamination procedures used.

The use of this zone system, access control points, and exacting decontamination procedures provides a reasonable assurance against the translocation of contaminated soil or water. The site control system described is based on a "worse case" situation. Less stringent site control and decontamination procedures may be utilized if more definitive information is available on the types of substances involved and hazard they present.

As previously mentioned, there are no reasons to believe that this site is unsafe or potentially unsafe, nonetheless, there are certain safety measures and precautions which can be instituted to reduce risk. The following are some of those personal precautions:

1. Eating, drinking, chewing gum or tobacco, smoking, or any practice that increases the probability of hand-to-mouth transfer and ingestion of material is prohibited in any area designated as contaminated.

2. Hands and face must be thoroughly washed upon leaving the work area and before eating, drinking, or any other activities.

3. Whenever decontamination procedures for outer garments are in effect, the entire body should be thoroughly washed as soon as possible after the protective garment is removed.

4. No excessive facial hair, which interferes with a satisfactory fit of the mask-to-face-seal, is allowed on personnel required to wear respiratory protective equipment.

5. Contact with contaminated or suspected contaminated surfaces should be avoided. Whenever possible, do not walk through puddles, mud, or other discolored surfaces; kneel on ground; lean; sit; or place equipment on contaminated surfaces, vehicles, or ground.

In addition, the following safety equipment will be maintained on-site for responding to potential emergency situations: portable eye wash, ABC fire extinguisher, and first aid kit. Telephone numbers of emergency response units in the area will also be posted where they can be easily seen by all those working at the site. All personnel who will be working at the site will also be required to receive training in respirator fitting, emergency procedures, equipment decontamination, and specific task procedures. All personnel involved with the collection of soil or water will have successfully completed the 40-hour OSHA Hazardous Materials Training Program.

c. Safety Decision-Making Procedures

During the course of this investigation, health and safety procedures will be reviewed daily by the Health and Safety Officer (HASO). If modifications or additional field protection requirements are deemed necessary, such changes will be incorporated into the Health and Safety Plan by the Health and Safety Officer and reviewed by all field personnel prior to their implementation.

In addition, the Health and Safety Officer will monitor near the excavation with a CGI (Combustible Gas Indicator) and OVA, and scan drill cuttings with the OVA and monitor the spoon upon retrieval. The contents of the spoon will be screened using the OVA when opened and the Site Health and Safety Officer will inform the Site Manager and drill crew supervisor of the readings, and notify the on-site personnel if any changes need to be made in personal protective equipment requirements.

All personnel working at the site will enter their names into the project log book which will be kept by the Health and Safety Officer.

Before engaging in the assigned work, all personnel will be briefed on the following:

- Identification of the project Health & Safety Officer.
- Location of first aid and emergency equipment.
- Activities taking place that day.
- Personnel protective equipment requirements and limitations.

In addition all field personnel will be required to review these Health and Safety Procedures and acknowledge such review. The Health and Safety Officer will ensure that all health and safety field procedures are followed, field conditions are regularly reviewed, and any alterations to the Health and Safety Procedures are communicated to all site personnel and implemented when they become necessary. Prior to commencing each day's field activities, the Health and Safety Officer will verbally review all health and safety procedures during a meeting with all field personnel.

All field personnel will acknowledge their review by signing an acknowledgment statement; this statement will be maintained with the daily Health and Safety Log.

III. DETAILED HEALTH AND SAFETY PLAN

1.0. Industrial Hygiene Monitoring

Industrial hygiene monitoring is an important component of the Health and Safety Plan. Industrial hygiene monitoring evaluates potential exposure to harmful chemicals or physical agents. Heat street/cold exposure evaluation is required to determine worker acclimatization and to determine work/rest regimes for heat stress. Exposure to high levels of noise during drilling, and operation of mechanical equipment needs to be evaluated. Personnel need to be advised on the use of ear muffs and may have to be evaluated with audiometric testing depending on the nature and severity of the noise levels. Photoionization detectors, flame ionization detectors, combustible gas indicator (LEL meter, oxygen detection meters) will be used during every step of the site investigation. This monitoring will provide worker safety against exposure to combustible gases, oxygen deficient atmospheres, and other hazards. This monitoring will also identify the type and level of Personal Protective Equipment required to carry out the task.

2.0 Training of Personnel

All Contractor personnel undergo extensive training in hazardous materials management. All Contractor personnel undergo 40 hours of OSHA training under OSHA regulations, Title 29, Code of Federal Regulations, Part 1910.120 before being assigned to any field job. As part of the training, personnel learn the use, maintenance, and limitations of PPE. All supervisory personnel undergo eight hours of supervisor's training in addition to the regular 40-hour training. Other areas covered during the training are the types of hazards that personnel may encounter, hearing protection against noise, respiratory protection, eye protection, decontamination, various levels of protection, site emergency responses and site control. In addition, site specific hazards and requirements will be reviewed at daily safety meetings.

3.0 Health and Safety Hazards

Hazards that may be encountered at hazardous waste sites can be broadly divided into three general categories: Physical, Chemical, and Mechanical Hazards (Electrical Hazards should also be accounted for).

3.1 Physical Hazards

Physical hazards that may be encountered at the hazardous waste site include hazardous waste drums, heat and cold stress, noise induced hearing loss. Drums and tanks can leak or explode under pressure; heat stress can cause heat exhaustion, heat syncope and heat stroke. Cold stress can cause hypothermia and frostbite. Machinery and mechanical noise can cause hearing impairment.

3.2 Chemical Hazards

Chemical hazards most likely include volatile and semi-volatile organic vapors, PAHs, PCBs, Pesticides and metals.

3.3 Mechanical Hazards

Mechanical, safety, and electrical hazards may be encountered at any hazardous waste site. The hazards include moving or swinging machinery, uneven terrain, ditches, rusty objects, glass and other sharp objects, overhead power lines, buried electrical sources, faulty electrical tools, and other hazards. All mechanical hazards on-site will be addressed by the site Health and Safety Officer. All personnel will be fully trained to deal with mechanical hazards on-site.

3.4 Real-Time Air Monitoring, VOCs and Particulates

Air monitoring will be conducted at the site by EEA with the required instrumentation for organic vapors and combustible gases. Air monitoring for specific compounds will be conducted based on the results of the preliminary air monitoring data.

Monitoring on-site will be conducted using the following field instruments:

- Photoionization detector (PID): The PID shall be calibrated before use following the instrument manufacturer's recommendation. The PID will be maintained in operational condition at all times. The use of a PID is limited during humid atmospheric conditions, and the results may not be accurate. OVA should be used under such conditions. During the use of the PID, the UV lamp should be cleaned frequently, calibration checked regularly, and battery recharged after each use.

- Combustible gas and oxygen meter will be used to detect any combustible and explosive gases and oxygen deficient atmospheres at the worksite. The instrument shall be calibrated and used as per manufacturer's specifications. Results obtained as a result of such monitoring will determine the level of respiratory protection required.

- The detectors will be calibrated and used as per manufacturer's specifications.

Real-time monitoring will be conducted during the investigation. Monitoring will also be conducted at perimeter locations, including an upwind and downwind location. A background reading will be established at all locations of the site on a daily basis when worker or technicians are present at the site.

If established action levels are exceeded at the perimeter location for organic vapors, work will be suspended and engineering controls implemented to bring concentrations back to acceptable levels.

GUIDE TO CONTAMINANT LEVELS AND LEVELS OF PROTECTION

Monitoring Instruments	Contaminant Levels (above background)	Level of Protection or Prescribed Action
PID or OVA	0 to 1 ppm	Level D
	1 to 50 ppm	Level C
	Above 50 ppm	Level B or evacuate site

4.0 Health and Safety Risk Analysis

There is concern regarding the possibility that adjacent site uses (i.e., dry-cleaners) may have impacted soil and groundwater underlying the subject property. The level of protection to be employed is Level D, which requires the use of gloves and two sets of clothing, safety boots, hard hat, and safety glasses. This protection will minimize dermal contact with the subsurface soils and groundwater and present little risk to be workers performing the subsurface investigation. The total vapor reading measured by the OVA (PID) will ensure that exposure to organic vapors above 5 ppm will not occur. All sampling will occur in open areas, thus further limiting the possible exposure to the anticipated contaminants.

The following are basic toxicological profiles for some of the contaminants of concern. It should be noted that the semi-volatile PAH compounds and metals bound up in the fill material are not volatile. Little exposure data are available for non-airborne PAHs and metals. Most metals are irritants and the PAHs are suspected carcinogens. Strict enforcement of the HASP will limit exposure to these contaminants. The real-time air monitoring to be conducted at the site will limit exposure to the volatile compounds. The Material Safety Data Sheets for the volatile and semi-volatile compounds and metals are presented in Appendix A.

- **Volatile Organic Compounds**

Volatile Organic Compounds (VOC's) are chemicals that evaporate easily at room temperature. The term "organic" indicates that the compounds contain carbon. VOC exposures are often associated with an odor while other times there are no odors. Both can be harmful. There are thousands of different VOC's produced and used in our daily lives.

- **Semi-Volatile Organic Compounds**

Semi-volatile organic compounds are organic compounds which have a boiling point higher than water and which may vaporize when exposed to temperatures above room temperature. Semi-volatile organic compounds include phenols and polynuclear aromatic compounds.

- **Pesticides**

A pesticide is any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest. Pests can be insects, mice and other animals, unwanted plants, fungi, or microorganisms like bacteria and viruses. Though often misunderstood to refer only to insecticides, the term pesticide also applies to herbicides, fungicides, and various other substances used to control pests.

- **PolyCholorinated Bi-Phenyls (PCB's)**

PCB's are mixtures of up to 209 individual chlorinated compounds (known as cogeners). There are no known natural sources of PCB's. PCB's are either oily liquids or solids that are colorless to light yellow. Some PCB's can exist as a vapor in air. PCB's have no known smell or taste. Many commercial PCB mixtures are known in the U.S. by trade name Aroclor. PCB's have been used as coolants and lubricants in transformers, capacitors, and other electrical equipment because they don't burn easily and are good insulators. The manufacture of PCBs was stopped in 1977.

- **Heavy Metals**

Heavy Metals are natural components of the earths crust. They cannot be degraded or destroyed. They enter our bodies via food, drinking water and air. As trace elements, some heavy metals are essential to maintain the metabolism of the human body. However, at higher concentrations they can cause metal poisoning, for instance from drinking water contamination (Lead Pipes) high concentrations near emission sources, or intake via the food chain. Heavy Metals are dangerous because they tend to bioaccumulate. Bioaccumulation means an increase of a chemical in a biological organism over time compared to the chemicals.

5.0 Site Safety and Health and Safety Officers

EEA shall provide a full time Health and Safety Officer at the site. The Health and Safety Officer shall be knowledgeable regarding the health and safety requirements of the site-specific plan, OSHA and the USEPA health and safety guidelines. The Health and Safety Officer shall be trained and certified in cardiopulmonary resuscitation (CPR) and shall fully understand hazardous waste handling precautions. The Health and Safety Officer, under the guidance from the CIH/CSP, and Health and Safety Manager, shall be responsible for all final safety requirements. The Health and Safety Officer will be available at all times during work and shall implement the Health and Safety Plan, monitoring the environment, calibrating instruments, and enforcing all the health and safety requirements.

General health and safety procedures have been developed and will be implemented by EEA's project manager and/or safety officer. OSHA standards and regulations contained in the Department of Labor, Title 29 Code of Federal Regulations, Parts 1910 and 1926, and the applicable recommendations by the National Institute for Occupational Safety and Health (NIOSH) regarding procedures to assure safe operations, represent the basis for the health and safety program. All personnel, subcontractors, state and federal representatives and visitors shall abide by the site health and safety requirements.

6.0 General Safety Rules

1. Prior to the start of each work day, a meeting shall be held for all personnel, subcontractors, and representatives. Safety procedures, safe work practices, site evacuation and escape procedures, and the planned daily activities will be reviewed during these meetings.

2. Provisions will be made for first aid for all on-site personnel. At a minimum, a standard industrial-type first aid kit will be on-site. The location of the first aid supplies will be posted on-site, and this information will be reviewed at the daily meetings.

3. Eating, drinking, smoking, and other similar activities, are strictly prohibited in both the work zones and the decontamination (contamination reduction) zones.

4. Fire extinguishers shall be provided at active locations within the contaminated zone. At a minimum, fire extinguishers shall be 20 pound,

ABC dry chemical, halon or carbon dioxide. Class D extinguishing agents shall be available, if necessary.

5. All tools and equipment, where necessary, shall be spark proof, explosion proof, and/or grounded and bonded.

6. All atmosphere-supplied respiratory devices shall meet at least the requirements of the specifications for Grade D Breathing Air as described in Compressed Gas Association Commodity Specification G-7.1-1966.

7. All staff shall have medical clearance which includes a physical exam and appropriate clinical tests.

8. No person shall be assigned to a task that requires the use of respiratory protection until it is determined that he/she is physically capable of using such devices. This judgment shall be made by a physician.

9. When respirators are required, beards, facial hair, and sideburns (which may interfere with the sealing portion of a respirator) are to be removed.

10. Parking of vehicles, other than those required for emergency purposes outside the designated parking area, shall be prohibited, since safe egress and ingress areas may be obstructed.

11. All personnel shall use one entrance and exit only from the work zone (except in an emergency or a life threatening situation).

12. The project manager shall have the authority to remove anyone from the site and prohibit his/her re-entry should it be determined that the person threatens site security or the safety of on-site personnel.

13. High pressure, low volume cleaning shall be used at the decontamination pad. Steam cleaning shall be required on all heavy equipment prior to leaving the site. At a minimum, two personnel with adequate protection as required by this plan shall be stationed in the decontamination area during decontamination of equipment. The decontamination pad shall be cleaned as necessary at least once per working day. No ice, snow, or soil is to be allowed to build on the pad.

14. All prescription eyeglasses in use will be ANSI approved safety glasses. All eyeglass inserts shall be compatible and proper for the full face respirator.

15. Respirator cartridges shall be changed upon breakthrough or daily. Each person shall wash and disinfect his/her respirator daily.

16. Workers who have worked in a hazardous work zone will shower at the end of the work day.

17. No alcohol, drugs, or weapons will be allowed on-site at any time.

6.1 Electrical Installations

All electrical installations will comply with state code, National Electrical Code (NEC) and the United States Coast Guard Regulations. All portable generators used on-site will be grounded. Extension cords will be the hard usage type or better, and will contain the number of conductors required for the service plug and equipment ground wire. Ground-fault circuit interrupters shall be used as necessary. All electrical tools fuse boxes, and other equipment with conducting surfaces that could be energized, will be grounded.

6.2 Hand and Power Tools

All hand and power tools will be inspected, tested, and determined to be in safe operating condition and properly maintained. Circular saws will be equipped with guards that automatically and completely enclose the cutting edges, splinters, and anti-kickback devices. Power saws will not be left running unattended.

Safety clips or retainers will be installed and maintained on pneumatic impact tools. Pressure will be shut off and exhausted from the line before disconnecting the line from any tool or connection. Safety lashing will be provided at connections between tool and hose, at all quick make-up type connections. Impact wrenches will be provided with a locking device for retaining the socket.

6.3 Safety Meetings

On-site personnel will meet daily to discuss safety matters, appropriate personal protection, and site conditions related to safety. All on-site personnel, subcontractors, and representatives will receive site-specific safety training before work begins.

6.4 Material Handling and Storage

- Cylindrical materials will be stacked and blocked to prevent spreading or tilting.

- Lumber will be stacked level, in piles no more than 10 feet high, on stable sills. Crushed stone and rip rap will be stored in piles in a safe manner.

- Fuel oil will be stored in approved storage tanks and barges. No smoking signs will be posted. Storage tanks will be bermed to prevent the spread of fuel oils due to spillage and leakage.

- Miscellaneous parts and tools will be stored in trailers or suitable buildings. All access ways to the work area will be kept clear at all times.

6.5 Machinery, Mechanized and Heavy Equipment

Any machinery or mechanized equipment shall be brought on-site only after it has been checked for any mechanical defects. Machinery will not be operated in a manner that will endanger persons or property, nor will the safe operating speeds or loads be exceeded. Machinery left on-site overnight will be rendered unusable or will be guarded. Heavy equipment, such as bulldozers, will be provided with seat belts and roll-over protective devices.

6.6 Motor Vehicles

Every motor vehicle operator will possess a valid operator's license. Vehicles used to transport personnel will be properly equipped with seats. All tools and equipment will be guarded, stowed, and secured when transported with personnel.

6.7 Pressurized Equipment and Systems

Pressurized equipment and systems will be inspected and performance tested. Pressure vessels will be equipped with safety valves set at no more than 10 percent over working pressure. Every air compressor will automatically cease operating prior to exceeding the maximum working pressure allowable in the system. Compressed gas cylinders will be secured in an upright position at all times, except when being hoisted.

6.8 Excavations

The sides of all excavations in which employees are exposed to danger from moving ground will be adequately sloped or shored. Excavated material will be stockpiled at least four feet from the side of the excavations. Barriers will be placed at the excavation adjacent to the path, walkways, sidewalks, driveways, and other pedestrian or vehicle thoroughfares. Ramps will be provided for access to excavation. A proper route of egress shall be maintained.

6.9 Heat and Cold Stress

Heat stress can occur at any hazardous waste site. Chemically resistant protective clothing prevents the evaporation of perspiration. The wearing of vapor barrier clothing greatly increases the potential for heat stress and heat-induced illness. A heat stress disorder can result if minerals and liquids are not adequately replaced, especially after long work hours with loss of body water and electrolytes. Heat stress is a combination of environmental and physical work factors that can cause heat rash, heat cramps, heat exhaustion, and heat stroke. It may be necessary to acclimatize workers and to monitor workers at frequent intervals, and to provide a work rest regimen to ensure that heat stress disorders do not occur.

Environmental conditions may be monitored by determining the atmospheric temperature, a measurement of the radiant heat and corresponding relative humidity. Personal worker condition can be monitored by heart rate, body temperature, and loss of body water and electrolytes.

Cold-related injuries may occur at hazardous waste site locations due to exposure to extremely low temperatures. Frost bite injury can occur due to exposure to extreme cold conditions. Hypothermia can occur when workers are exposed to extreme cold and in situations where workers are wearing wet or damp personal protective equipment. Cold-related injuries can be avoided by using layers of clothing and providing adequate heating equipment at the support zone on-site.

The Health and Safety Officer will monitor the ambient air temperature, if the ambient air temperature exceeds 80^{o} F for one hour. The Safety Officer will begin monitoring personnel for signs and symptoms of heat stress. A fluid/electrolyte/water replacement will be made available in the support zone for the workers on-site.

6.10 Accident Reporting and Recordkeeping

All accidents will be reported, investigated, and analyzed by EEA's project manager or his designated representative. Any deaths, fires, or explosions will be reported to appropriate emergency personnel. Fatalities will be reported to the OSHA regional office within 24 hours.

7.0 Hazardous Communication

7.1 Container Labeling

All containers received on-site will be inspected to ensure the following: 1) all containers will be clearly labeled as to the contents; 2) the appropriate hazard warnings will be noted; and 3) the name and address of the manufacturer will be listed.

All secondary containers will be labeled with either an extra copy of the original manufacturer's label or with generic labels, which have a block for identify and blocks for the hazard warning.

7.2 Material Safety Data Sheets (MSDSs)

Copies of the MSDSs for all hazardous chemicals known or suspected to be on-site will be maintained in the work area. MSDSs will be available to all employees for review during each work shift.

7.3 Employee Training and Information

Prior to starting work, each employee will attend a health and safety orientation and will receive information and training on the following: 1) an overview of the requirements contained in the Hazard Communication Standard, 29 CFR 1910.1200; 2) chemicals present in their workplace operations; 3) location and availability of a written hazard program; 4) physical and health effect of the hazardous chemicals; 5) methods and observation techniques used to determine the presence or release of hazardous chemicals; 6) how to lessen or prevent exposure to these hazardous chemicals through usage of control/work practices and personal protective equipment; 7) emergency procedures to follow if they are exposed to these chemicals; 8) how to read labels and review MSDSs to obtain appropriate hazard information; 9) location of MSDS file and location of hazardous chemical lists.

7.4 Key Personnel

- The Project Manager is Nicholas Recchia, CPG - Cell (516) 395-8763
  Alternate: Allen Serper, P.E. – Cell (516) 728-3554

- The Site Supervisor is Sean Martin - Cell (347) 527-3246
  Alternate: Nicholas Recchia, CPG - Cell (516) 395-8763

- The Site Health and Safety Officer is Jeffrey Shelkey - Cell (516) 317-0245
  Alternate: Anthony Lucchese – Cell (516) 768-7020

All have completed the 40-hour OSHA Hazardous Materials Training Program. Mr. Shelkey is trained in CPR (resuscitation) and has been involved with numerous Phase II Subsurface Investigations and Remediation Programs. He has participated as HSO at numerous projects.

8.0 Site Control Measures

The following section defines measures and procedures for maintaining site control. Site control is an essential component in the implementation of the site health and safety program.

8.1 Buddy System

During all Level D activities or when some conditions present a risk to personnel, the implementation of a buddy system is anticipated. A buddy system requires at least two people to work as a team; each looking out for each other. Level B operations generally require three people. It is anticipated that Level D activities will occur, two-person buddy system.

PERSONNEL REQUIREMENTS

Task	Control Measures
In-Situ Bio-Chemical Remediation	Line of sight, buddy system
Soil and groundwater sampling	Line of sight, buddy system

8.2 Site Communications Plan

Successful communications between field teams and contact with personnel in the support zone is essential. The following communications systems will be available during activities at the subject site.

- Hand signals
- Direct vocal communication
- For hand signal communications, the following definitions will apply during activities at the subject site:

HAND SIGNAL DEFINITIONS

Signal	Definition
Hands clutching throat	Out of air/cannot breath
Hands on top of head	Need assistance
Thumbs up	OK/I am all right/I understand

Signal	Definition
Thumbs down	No/Negative
Grip partner's wrist	Exit area immediately

- Communication by two-way short distance radio will also be employed.

8.3 Site Control

Access to the site shall be restricted with a single access point. A written log of all contractors, subcontractors, state and federal representatives, and visitors shall be kept by the site Health and Safety Officer. The exclusion zone and all contaminated areas will be indicated by red barrier tape or red snow fencing and accessible through personal and equipment decontamination facilities. A contamination reduction zone will be designated, between a contaminated area and the clean area.

8.4 Access and Egress

Safe access and egress will be provided to all work areas. Access ways will be kept clear of operating or construction materials, or debris that would obstruct passages or cause a tripping hazard. Haul roads will be constructed to widths suitable for safe operation of the equipment. Erection, moving, dismantling, or alteration will be under the supervision of a competent employee. A ladder will be provided as access to all scaffolds or platforms.

8.5 Site Security

Each visitor must adhere to the site control and safety guidelines established in this plan. All site visitors and subcontractors must meet the educational and medical requirements of 29 CFR 1910.120. This requirement shall be met by presenting appropriate documentation to the Contractor's site officer, prior to entry into the work zone.

Authorized visitors who work for regulatory agencies shall receive approval to enter the site from the Department. The Contractor shall maintain a chronological log of all persons entering and leaving the work site.

8.6 Site Plan and Designated Control Zones

If contamination is detected at the site, the three work zone approach, outlined below may be utilized.

- Exclusion (Contaminated) Zone

For all areas of remediation, the Exclusion Zone consists of at least a fifteen-foot extension of the horizontal limits of the area, and may need to be expanded where heavy equipment is operating so that the equipment remains wholly within the Exclusion Zone. The Exclusion Zone will be clearly marked with traffic cones and safety tape throughout the execution of the work.

The level of personnel protective equipment required in the Exclusion Zone shall be in accordance with the specified requirements as a minimum, or as determined by the site health and safety coordinator after monitoring and on-site inspection. No eating, drinking, or smoking will be allowed in this zone. No personnel will be allowed in the Exclusion Zone without: 1) a "buddy," 2) the proper PPE, and 3) specified task responsibilities.

- Contamination Reduction (Buffer) Zone

This zone will serve as a general entry and egress zone to and from the Exclusion Zone. This area will be designated for the decontamination of personnel and equipment prior to re-entering the Support Zone, and also for physical segregation of the Support and Exclusion zones.

The level of PPE required in this zone shall be in accordance with the specified requirements as a minimum or as determined by the Contractor's SHSO, after monitoring and on-site inspection. No eating, drinking, or smoking will be allowed in this area. The contamination reduction station will also contain appropriate safety and emergency equipment, such as a first aid kit and fire extinguisher.

- Support (Safe or Clean) Zone

This zone is the area outside the zone of significant contamination. The Support Zone shall be protected from work site contamination. Eating and drinking will be allowed only in this zone. The function of the Support Zone is to provide an entry area for personnel, material, and equipment to the Exclusion Zone.

8.7 Site Engineering Controls - Air Emissions

EEA shall provide all equipment and personnel necessary to monitor and control air emissions.

In the event total organic vapors are detected at levels exceeding 5 ppm above background, EEA shall observe all precautions to minimize emissions in the air. These will include, but are not limited to:

1. Excavating the areas in small parts and covering it up before excavating the next area

2. Upgrading the level of protection for workers

3. Removing any excavated material from the ground, staging, and covering it.
4. The use of vapor suppressing foam.

If the level of total organic vapors exceed 5 ppm above background, or greater than 20 percent of the LEL, the work will be immediately suspended and workers evacuated.

8.8 Nearest Medical Assistance

Figure 8.1 shows a map of the route to the nearest facility which can provide emergency care for individuals who may experience an injury or exposure on-site. The nearest facility with a full service emergency room is the Staten Island University Hospital facility, located on 17 Seguine Avenue, Staten Island, New York (see Figure 8.1).

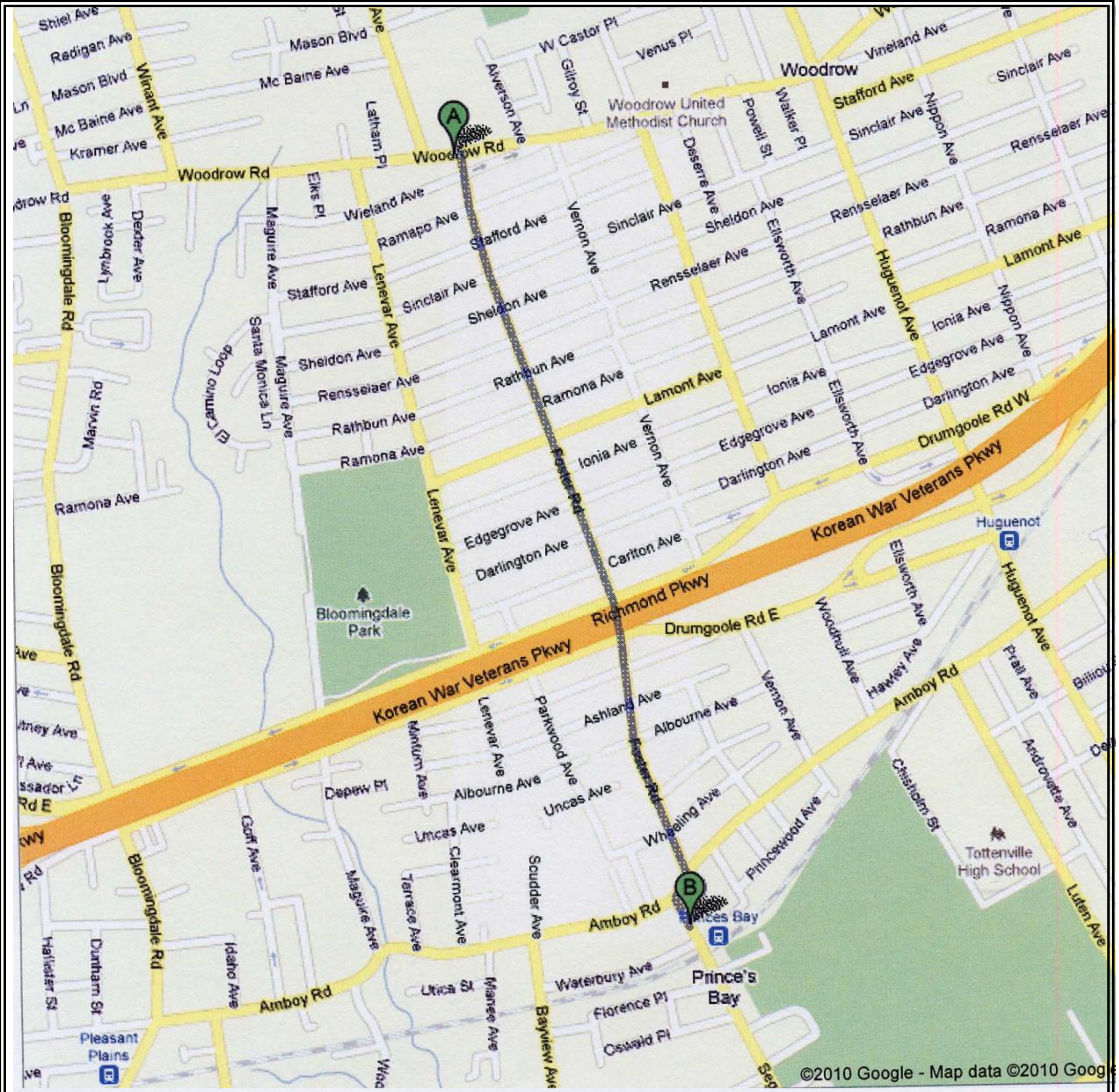
8.9 Site Control Measures

Standing Orders for Exclusion Zone

- No smoking, eating, or drinking in this zone
- No horse play
- No matches or lighters in this zone
- Check-in on entrance to this zone
- Check-out on exit from this zone
- Implement the communications system
- Line of sight must be in position
- Wear the appropriate level of protection as defined in the Safety Plan.

Standing Orders for Contamination Reduction Zone

- No smoking, eating, or drinking in this zone
- No horse play
- No matches or lighters in this zone
- Wear the appropriate level of protection



1275 Woodrow Rd, Staten Island, NY 10309

	1. Head **east** on **Woodrow Rd** toward **Foster Rd**	go 56 ft total 56 ft
↱	2. Take the 1st **right** onto **Foster Rd** About 3 mins	go 1.1 mi total 1.1 mi
↱	3. Turn **right** at **Amboy Rd**	go 203 ft total 1.1 mi
↰	4. Take the 1st **left** onto **Seguine Ave** Destination will be on the left	go 243 ft total 1.2 mi

Staten Island University Hospital
17 Seguine Ave, Staten Island, NY 10309

Figure 8.1 - Directions to Hospital

LOG FOR ALL PERSONNEL ENTERING THE SUBJECT PROPERTY

SITE:

LOCATION:

The undersigned certify that they have read this Health and Safety Plan document, understand it, and will comply with its provisions.

Name (Please Print)	Affiliation	Date	Time
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			

9.0 Decontamination Plan

9.1 Standard Operating Procedures

Decontamination involves the orderly controlled removal of contaminants. Standard decontamination sequences are presented in the Decontamination Table. All site personnel should minimize contact with contaminants in order to minimize the need for extensive decon.

9.2 Levels of Decontamination Protection Required for Personnel

The levels of protection required for personnel assisting with decontamination will be Level D. The Site Safety officer is responsible for monitoring decontamination procedures and determining their effectiveness.

9.3 Equipment Decontamination

All equipment and material used on-site will be thoroughly decontaminated before it is removed from the project. All material such as contaminated debris, and contaminated clothing, with the exception of the excavated materials which cannot be decontaminated, shall be disposed of by a method permitted by regulatory agencies.

All vehicles and equipment used in the Exclusion Zone will be decontaminated to the satisfaction of the Safety Officer who shall certify that each piece of equipment has been decontaminated prior to removal from the site.

Decontamination shall take place within designated equipment and materials decontamination areas. The Contractor shall provide suitable barriers. The decontamination shall consist of high pressure water cleaning, supplemented by detergent as appropriate. Wash units shall be portable high pressure with a self-contained water storage tank and pressurized system (as required). Each unit shall be capable of heating wash water to 180^{o} F and providing a nozzle pressure of 150 psi.

Personnel involved in vehicle and equipment decontamination shall wear Level C protective clothing. At the close of the project, the Contractor shall completely decontaminate and clean the decontamination area.

9.4 Decontamination Pad

The decontamination pad shall be located in the contamination reduction zone and shall be used for cleaning all vehicles leaving the Exclusion Zone prior to entering the Support Zone or leaving the site.

9.5 Disposition of Decontamination Wastes

LEVEL D DECONTAMINATION STEPS

Step 1	Remove outer garments (i.e., coveralls)
Step 2	Remove gloves
Step 3	Wash hands and face

9.6 Sanitation and Decontamination

The personnel decontamination and emergency medical facilities shall be properly maintained and shall be kept clean and sanitary at all times.

An adequate supply of drinking water will be obtained from a source approved by local health authorities. Drinking water will be dispensed from clearly marked containers by means which prevent contamination. Paper cups dispensed from a sanitary container and a waste receptacle for used cups will be provided.

The decontamination facility shall consist of clean and dirty lockers in separate areas. Shower facilities and a lunch/break room shall be available. Dirty and contaminated work clothes shall not be stored with clean clothes.

Contaminated clothing, used respirator cartridges, and other disposable items will be put into lined drums/containers and transported for proper disposal.

Personal protective clothing donning will consist of the following:

1. Put on inner gloves and put on coveralls
2. Put on outer gloves

10.0 Emergency Response/Contingency Plan

This section describes contingencies and emergency planning procedures to be implemented at the subject site. This plan is compatible with local, state and federal disaster and emergency management plans, as appropriate.

10.1 Pre-Emergency Planning

During the site briefing held periodically/daily, all employees will be trained in and reminded of provisions of the emergency response plan, communication systems, and evacuation routes. This section identifies potential hazards associated with site activities, along with the available emergency prevention/control equipment and its location. The plan will be reviewed and revised, if necessary, on a regular basis by the HSO. This will ensure that the plan is adequate and consistent with prevailing site conditions.

EMERGENCY RECOGNITION/CONTROL MEASURES

Hazard	Prevention/Control	Location
Fire/Explosion	Fire Extinguisher	EEA Vehicle
Spill	Sorbent Materials	EEA Vehicle

- **Emergency Recognition/Prevention** - Section 4 provides a listing of chemical and physical hazards on-site. Additional potential hazards associated with site activities are listed in Section 5 and Section 11.5 along with the available emergency prevention/control equipment and its location. Personnel will be familiar with techniques of hazard recognition from preassignment training and site-specific briefings. The HSO is responsible for ensuring that prevention devices and equipment are available to personnel

- **Evacuation Routes/Procedures** - In the event of an emergency which necessitates an evacuation of the site, the following alarm procedures will be implemented:

  – Ensure that a predetermined location is identified off-site in case of an emergency, so that all personnel can be accounted for

  – Personnel will be expected to proceed to the closest exit with your buddy, and mobilize to the safe distance area associated with the evacuation route. Personnel will remain at that area until the re-entry alarm is sounded or an authorized individual provides further instructions.

- **Emergency Contact/Notification System** - The following list provides names and telephone numbers for emergency contact personnel. In the event of a medical emergency, personnel will take direction from the HSO and notify the appropriate emergency organization(s). In the event of a fire or spill, the site supervisor will notify the appropriate local, state and federal agencies.

- **Emergency Numbers:**

  – To call for an ambulance 911
  – To call for the local fire department 911
  – To call the police department 911
  – To call Emergency Room 911
  – To call DEC Spill Hot Line ....1(800) 457-7362

10.2 Emergency Medical Treatment Procedures

Any person who becomes ill or injured in the exclusion zone must be decontaminated to the maximum extent possible. If the injury or illness is minor, full decontamination should be completed and first aid administered prior to transport. If the patient's condition is serious, at least partial decontamination should be completed (i.e., complete disrobing of the victim and redressing in clean coveralls or wrapping in a blanket). First aid should be administered while awaiting an ambulance or paramedics. All injuries and illnesses must immediately be reported to the project manager.

Any person being transported to a clinic or hospital for treatment should take with them information on the chemical(s) they have been exposed to at the site.

10.3 Fire or Explosion

In the event of a fire or explosion, the local fire department should be summoned immediately. Upon their arrival, the project manager or designated alternate will advise the fire commander of the location, nature, and identification of the hazardous materials on-site.

If it is safe to do so, site personnel may:

- Use fire fighting equipment available on-site to control or extinguish the fire; and

- Remove or isolate flammable or other hazardous materials, which may contribute to the fire.

10.4 Spills or Leaks

In the event of a spill or a leak, site personnel will:

- Inform their supervisor immediately;

- Locate the source of the spillage and stop the flow if it can be done safely;
- Begin containment and recovery of the spilled materials.

10.5 Emergency Equipment/Facilities

The following emergency equipment/facilities will be utilized on-site.

LIST OF EMERGENCY EQUIPMENT/FACILITIES

List of Emergency Equipment/Facilities	Storage Location
First Aid Kit	EEA vehicle
Fire Extinguisher	EEA vehicle
Spill Kits	EEA vehicle
Berm Materials	EEA vehicle
Eye Wash	EEA vehicle

11.0 Site Personal Protective Equipment

The levels of personal protective equipment warranted by any given situation are dependent on the hazard, situation, area, and to a lesser degree, temperature. The goal of protective equipment is to offer the highest level of protection to the employee. The degree and kind of known or unknown chemical, the situation or the nature of work being done, the general area full of inherent or potential dangers, as well as the physiological stress factors, determine the types of protective equipment required.

An effective program must address the human element. Temperatures, either hot or cold, dramatically affect the employee wearing protective equipment. The resistance to breathing offered by respirators and the appreciable weight of some units define the amount of time that respiratory protection can be used daily. Other factors, like the need for flexible clothing that will not impede movement or limit body action influence the selection of protective equipment.

Acknowledgment of the human stress factor is important, for it will determine the amount of cooperation and strict adherence to the safety guidelines that can be expected from the employee.

Generally, protection is necessary to provide protection for the exposed person for three modes of contamination: ingestion, inhalation, and dermal absorption.

The protection from contamination due to ingestion is simply managed. Eating, drinking, and smoking are prohibited in the work area. All employees must leave the contaminated work area completely for breaks, remove protective clothing, wash their hands, and spend the rest of the break time in an uncontaminated, designated area.

The question of protection from contamination due to inhalation and absorption is complex. The appropriate protective equipment to be used on-site is determined by hazardous levels, work area conditions, and specific tasks. It remains the responsibility of the project manager to define, uphold, and maintain the appropriate level of protective equipment.

If contact with liquid is possible, then the coveralls shall be chemically resistant with chemically resistant gloves with interfaces taped. Supplied air respiratory protection will be available if protection must be upgraded.

The following sections describe the levels of protection developed by OSHA and EPA. The equipment will be selected based upon the hazards and to a lesser extent the environmental conditions and job tasks.

11.1 Level A - Personal Protective Equipment

- Pressure-demand, full-face SCBA or pressure-demand supplied-air respirator with escape SCBA
- Fully-encapsulating, chemical-resistant suit
- Inner chemical-resistant gloves
- Chemical-resistant safety boots/shoes
- Two-way radio communications

Optional:

- Cooling unit
- Coveralls
- Long cotton underwear
- Hard hat
- Disposable gloves and boot covers

The highest available level of respiratory, skin, and eye protection. Fully encapsulated suits are primarily designed to provide a gas or vapor tight barrier between the wearer and atmospheric contaminants. Until air surveillance data become available to assist in the selection of appropriate level of protection, the use of Level A may have to be based on indirect evidence of the potential for atmospheric contamination or other means of skin contact with severe skin affecting substances.

Conditions that may require Level A protection include:

- Confined space which presents a severe skin hazard
- Suspected/known highly toxic substances

- Totally unknown substances are present

It is not anticipated that Level A protection will be required during performance of work at this site.

11.2 Level B

- Pressure-demand, full-face SCBA or pressure-demand supplied-air respirator with escape SCBA

- Chemical-resistant coveralls; hooded, one-piece disposable chemical-resistant one piece suit. Coveralls shall be Saranex when liquid splashes may occur.

- Inner and outer chemical-resistant gloves

- Chemical-resistant safety boots/shoes

- Hard hat (under suit)

- Two-way radio communications

Optional:

- Disposable gloves and boot covers
- Face shield
- Long cotton underwear

The same level of respiratory protection, but less skin protection as Level A. It is the minimum level recommended for initial site entries until the hazards have been further identified.

11.3 Level C

- MSHA/NIOSH approved full-face, air-purifying, canister-equipped respirator
- Chemical resistant clothing (overalls and long-sleeved jacket; hooded, one- or two-piece chemical splash suit; disposable chemical-resistant one-piece suit). Coveralls shall be Tyvek poly-coated or Saranex when liquid splashes may occur.
- Inner and outer chemical-resistant gloves
- Chemical resistant safety boots/shoes

- Hard hat (comply with 29 CFR 1910.135)

Optional:

- Two-way radio communications
- Disposable boot covers
- Face shield
- Long cotton underwear, cotton glove liners

Level C protection must meet several criteria. These criteria are:

1. Measured air concentrations of substances will be reduced by the respirator to below the substance's Threshold Limit Value.

2. The substance must have good warning properties (taste, smell, or irritation below the Threshold Limit Value).

3. Atmospheric concentrations do not exceed the IDLH levels (IDLH = Immediately dangerous to life and health).

4. Total vapor readings register between background and 5 ppm above background as measured by an organic vapor detector (PID).

5. Air will be monitored continuously.

6. Oxygen content of the air is at least 19.5 percent.

7. An appropriate cartridge is available that will remove the contaminant.

8. The individual has been fit-tested in the particular respirator.

9. The substance(s) present are known, do not present a severe skin absorption or contact hazard and the concentrations are within acceptable limits.
10. The job functions have been determined not to require Level "B" PPE.

11.4 Level D

- A minimum of two sets of work clothing/uniforms
- Safety boots/shoes
- Safety glasses or chemical splash goggles
- Hard hat

Optional:

- Gloves
- Escape mask
- Face shield

Level D protection provides no respiratory protection and minimal skin protection.

Level D protection will only be worn when no splash hazards or vapor hazards exist.

The following are the anticipated Task-Specific initial levels or PPE:

Task	Level of PPE
Soil Sampling	D
Well Installation	D
Groundwater Sampling	D

Note: Respirator shall be immediately available in the event of air monitoring indicates an upgrade to Level C is required.

12.0 Action Levels

In the absence of additional air monitoring information, the following levels of respirator protection will be required:

Maximum Total Organic Vapors in the Breathing Zone (ppm)	Level of Protection
0 to 1 ppm	D
1 to 250 ppm	C
Above 250 ppm	Level B or Suspend Work and Use Engineering/Work Practice Controls

OVA or PID readings must be taken simultaneously with Benzene colormetric tubes. If Benzene is present, the action levels will be:

0 to 0.1 ppm	Level D
0.1 to 5.0 ppm	Level C
Above 5.0 ppm	Level B or Evacuate

In addition to the above action levels, the following action levels will be established for perimeter monitoring. If the following action levels are attained in the

Exclusion Zone perimeter, then work will stop until engineering controls are implemented to reduce levels to acceptable limits.

Parameter	Action Level
Total Organic Vapors (with PID)	5 ppm

12.1 Medical and First Aid Facilities

Arrangements for medical personnel, medical facilities, and ambulance service will be made for all projects. An industrial-type first-aid kit will be provided and stored in a clean, weatherproof container. Emergency eyewash will be located at a convenient location at the work site.

12.2 Accident Reporting and Recording

All accidents will be reported, investigated, and analyzed by the project manager or his designated representative. Any serious injury to personnel or property, fires or explosions, will be reported to the appropriate agencies. Fatalities will be reported to the regional OSHA office within 24 hours.

Appendix

Material Data Sheets

VOLATILE ORGANIC COMPOUNDS (VOCs)

Minnesota Department of Health Fact Sheet September 2005

Volatile Organic Compounds - VOCs

What are VOCs?

Volatile Organic Compounds (VOCs) are chemicals that evaporate easily at room temperature. The term "organic" indicates that the compounds contain carbon. VOC exposures are often associated with an odor while other times there is no odor. Both can be harmful. There are thousands of different VOCs produced and used in our daily lives. Some examples are:

- Benzene
- Toluene
- Methylene
- Chloride
- Formaldehyde
- Xylene
- Ethylene glycol
- Texanol
- 1,3-butadiene

Where do VOCs come from?

Many products emit or "off-gas" VOCs. Some examples of VOC emission sources are:

- Paints
- Varnishes
- Moth balls
- Solvents
- Gasoline
- Newspaper
- Cooking
- Cleaning Chemicals
- Vinyl floors
- Carpets
- Photocopying
- Upholstery Fabrics
- Adhesives
- Sealing Caulks
- Cosmetics
- Air Fresheners
- Fuel Oil
- Vehicle Exhaust
- Pressed wood furniture
- Environmental Tobacco Smoke (Secondhand smoke)

What levels of VOC are typical in the home?

As of July, 2003 neither Minnesota nor the federal government have set standards for VOC levels in non-occupational settings. However, some guidelines are available. MDH has established Health Risk Values (HRVs) for some contaminants in air for several different exposure situations. For more information on these HRVs go to MDH Health Risk Values Website.

Many studies have shown VOC levels are higher in indoor air than outdoor air. The U.S. Environmental Protection Agency (EPA) Total Exposure Assessment Methodology (TEAM) studies have found indoor VOC levels that were 2 to 5 times higher than outdoors.

Levels of VOC exposure in indoor air vary widely depending on:

- the volume of air in the room/building
- the rate at which the VOC is off-gassed
- the building ventilation rate
- outdoor concentrations

Along with the concentration of VOCs in a given environment, the time an individual spends in that environment is important in determining exposure.

What are the health effects of VOC exposure?

Acute

- Eye irritation / watering
- Nose irritation
- Throat irritation
- Headaches
- Nausea / Vomiting
- Dizziness
- Asthma exacerbation

Chronic

- Cancer
- Liver damage
- Kidney damage
- Central Nervous System damage.

MINNESOTA MDH DEPARTMENT of HEALTH
Indoor Air Unit
P.O. Box 64975
St, Paul, MN, 55164-0975
651-201-4601 or 800-798-9050
www.health.state.mn.us/divs/eh/air

Volatile Organic Compounds - VOCs – page 2

Most studies to date have been conducted on single chemicals. Less is know about the health effects of combined chemical exposure. The best health protection measure is to limit your exposure to products and materials that contain VOCs when possible. If you think you may be having health problems caused by VOC exposure consult an occupational/environmental health physician who specializes in this area

Are some people at greater risk from VOC exposure than others?

Persons with respiratory problems such as asthma, young children, elderly, and persons with heightened sensitivity to chemicals may be more susceptible to illness from VOC exposure.

How can I tell what levels of VOC are in my home?

Some home screening kits are available to measure total volatile organic compound (TVOC) levels, and some individual VOCs. These home sampling kits should be viewed as providing "ballpark" amount of VOCs in the indoor air. Conditions such as ventilation, temperature and humidity can cause VOC concentrations to fluctuate daily

Prior to testing conduct an inspection of your home for some common sources of VOCs such as:

- New carpeting
- New furniture
- Idling automobile in attached garage
- Recent painting
- Chemicals stored in the home
- Recently applied adhesives
- New plastic or electronic devices

Once you determine the probable source of VOCs, steps can be taken to reduce your exposure. If you are unable to determine the source, a professional indoor air quality investigator / industrial hygienist can be consulted. MDH has a service provider list along with recommendations on selection. MDH also has a guidance document that can be used for investigating possible VOC contamination entitled "Indoor Air Sampling at VOC contaminated sites"

How do I reduce the levels of VOCs in my home?

Most products containing VOCs will off-gas within a short period of time although some will continue to give off trace amounts of VOCs for a long period of time. The best means of reducing VOC exposure is to eliminate products containing VOCs or use low emitting VOC products.

Some steps you can take to reduce your exposure to VOC in the home are:

- Source control
  - eliminate products from home that have high levels of VOCs
  - purchase new products that contain low or no VOCs (environmentally preferable purchasing)
- Ventilation – open doors and windows, use fans.
- Control climate – as temperature and humidity increase some chemicals will off gas more.
- Treat the source – airtight sealers can be used to coat over some products. However, caution is advised in choosing the coating product as this could introduce new VOCs into the air while controlling for others.
- Air cleaners – look for ones with activated charcoal filtration designed to remove chemicals from the air.
- Remove unused chemicals from the home. Check with city or county for household hazardous waste collection sites.
- Perform renovations when home is unoccupied.

For more information on VOCs or other Indoor Air Quality Issues Contact:

The Minnesota Department of Health
Indoor Air Unit
625 Robert Street North, PO Box 64975
St. Paul, MN 55164-0975
651/201-4601 or 800/798-9050
View the Air Quality web page at:
www.health.state.mn.us/divs/eh/air

To require this document in another form contact:
Call 651/201-4601. TTY: 651/201-5797 or Minnesota Relay Service TTY: 1- 800/627-3529.

IC#141-1381
Revised 9/05
Printed on recycled paper.

SEMI-VOLATILE ORGANIC COMPOUNDS
(SVOCs)

U.S. Environmental Protection Agency

Mid-Atlantic Brownfields

Serving: Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, and West Virginia

Semi-Volitile Organic Compounds

This Fact Sheet is presented by the U. S. Environmental Protection Agency, Region III (EPA) to assist in the selection of analytical parameters and the associated Quality Assurance and Quality Control (QA/QC) procedures to be utilized in Phase II Environmental Assessments under the U.S. Environmental Protection Agency (EPA) Brownfields initiative. This fact sheet is presented for informational purposes only, and should not be construed as a federal policy or directive. The Brownfields Coordinator for this region may be reached at 215-814-5000.

A semivolatile organic compound is an organic compound which has a boiling point higher than water and which may vaporize when exposed to temperatures above room temperature. Semivolatile organic compounds include phenols and polynuclear aromatic hydrocarbons (PAH).

LIST OF SEMIVOLATILE ORGANIC COMPOUNDS *

- Phenol
- Bis(2-chloroethyl)ether
- 2-Chlorophenol
- 1,3-Dichlorobenzene
- 1,4-Dichlorobenzene
- 1,2-Dichlorobenzene
- 2-Methylphenol
- Bis(2-chloroisopropyl)ether
- 4-Methylphenol
- n-Nitroso-di-n-propylamine
- Hexachloroethane
- Nitrobenzene
- Isophorone
- 2-Nitrophenol
- 2,4-Dimethlyphenol
- Bis(2-chloroethoxy)methane
- 2,4-Dichlorophenol
- 1,2,4-Trichlorobenzene
- Naphthalene
- 4-Chloroaniline
- Hexachlorobutadiene
- 4-Chloro-3-methylphenol
- 2-Methlynaphthalene
- Hexachlorocyclopentadiene
- 2,4,6-Trichlorophenol
- 2,4,5-Trichlorophenol
- 2-Chloronaphthalene
- 2-Nitroaniline
- Dimethylphthalate
- Acenaphthylene
- 2,6-Dinitrotoluene

- 3-Nitroaniline
- Acenaphthene
- 2,4-Dinitrophenol
- 4-Nitrophenol
- 4-Bromophenyl-phenylether
- Hexachlorobenzene
- Pentachlorophenol
- Phenanthrene
- Anthracene
- Carbazole
- Di-n-butylphthalate
- Fluoranthene
- Pyrene
- Butylbenzylphthalate
- 3,3'-Dichlorobenzidine
- Benzo(a)anthracene
- Chrysene
- Bis(2-ethylhexyl)phthalate
- Di-n-octylphthalate
- Benzo(b)fluoranthene
- Benzo(k)fluoranthene
- Benzo(a)pyrene
- Indeno(1,2,3-cd)pyrene
- Dibenz(a,h)anthracene
- Benzo(g,h,i)perylene

* Please note: The list above corresponds to the EPA Contract Laboratory Program (CLP) semivolatile organic list, and is not a complete list of all toxic semivolatile organic compounds. If the site history suggests a semivolatile organic compound may be present which is not on this list, the compound should be included in the requested analysis.

ANALYSIS METHODS

Please note that the methods listed below are EPA approved and the most commonly used by EPA and their contractors. However, they are not the only methods for the analysis of semivolatile organic compounds. In addition, these are not drinking water test methods.

METHOD	APPLICABLE MATRICES
EPA 625 or 1625 (1)	Aqueous
EPA SW-846 3010 or 3020/8250 or 8270 (2)	Aqueous
EPA SW-846 3500 or 3550/8250 or 8270 (2)	Soil/Sediment & Waste
EPA CLP Statement of Work 3/90	Aqueous & Soil/Sediment
EPA SW-846 8100 or 8310 (2) 610 (1)	Water and Soil/Sediment for PAH
EPA SW-846 8040 (2) or 604 (1)	Water and Soil/Sediment for Phenols

1. U.S. Environmental Protection Agency (EPA). 1992. *Test Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater.* Washington, D.C. July.
2. EPA. 1986. *Test Methods for Evaluating Solid Waste*. SW-846. Washington, D.C. September.

COLLECTION MEDIA/VOLUME

Listed below are the EPA-recommended preservation and holding times as well as suggested glassware.

MATRIX	GLASSWARE	VOLUME	PRESERVATIVE	HOLDING TIME
Soil/Sediment	8-oz wide mouthed jar	1 8-oz jar	ice to 4° C	14 days
Aqueous	32-oz amber bottle	2 amber bottles	ice to 4° C	7 days
Waste	8-oz wide mouth jar	1 8-oz jar	none required (ice preferred)	none (try not to exceed 14 days)

MINIMUM LABORATORY QUALITY CONTROL MEASURES

The laboratory should have Standard Operating Procedures available for review for the semivolatile organic compound analyses and for all associated methods needed to complete the semivolatile analysis, such as total solids, instrument maintenance, sample handling, and sample documentation procedures. In addition, the laboratory should have a Laboratory Quality Assurance/Quality Control Statement available for review which includes all key personnel qualifications.

QC TYPE	FREQUENCY OF ANALYSIS	ACCEPTABLE LIMITS
Gas Chromatograph/Mass Spectrometer (GC/MS) Tuning	Once per day or more frequently if required by method	See method criteria for acceptable limits
Initial Calibration	Prior to analysis of samples (minimum three concentration levels for every compound and an instrument blank)	% Relative Standard Deviation of Response Factors of ≤ 30 (see method for any allowable variations), and a minimum Response Factor of ≥ 0.05 (see method for calculation)
Continuing Calibration	Once per day (mid-level standard containing all compounds) or more frequently if required by method	% Difference for Response Factor of ≤ 25 (see method for any allowable variations), and a minimum Response Factor of ≥ 0.05 (see method for calculation)
Method Blank	Once per extraction batch	See method for allowable limits
Internal Standards	Six per sample (see method for suggested internal standard compounds)	-50% to + 100% of Daily standard area and retention time shift (limits depend if packed or capillary column, see method)

Matrix Spike/Matrix Spike Duplicate	One set of MS/MSD per 20 samples or analysis set	See method for allowable limits
Surrogate Spikes	Added to each sample (see method for suggested surrogate compounds)	Report recovery

MINIMUM DATA PACKAGE REQUIREMENTS

- Sample results in a tabular form (if soil or sediment) reported on a dry weight basis.
- Report % moisture or % solids for all soil and sediment samples.
- Report sample volumes or weights, as well as any dilution factors, for each sample analysis.
- Return copy of the chain of custody form sent with the samples with laboratory receipt acknowledgment, and the internal or laboratory chain of custody forms.
- Method blank results.
- GC/MS tuning data summary.
- GC/MS initial and continuing calibration data summary forms.
- GC/MS internal standard data for samples and associated daily standard.
- Surrogate spike recoveries, either on a separate table or with the results, including laboratory QC limits.
- Matrix spike recovery tables, including laboratory recovery and relative percent difference QC limits.
- Date samples were analyzed, on a separate sheet, tune sheet, or results page.
- Optional: sample, standard and blank chromatograms, quantitation sheets, mass spectra, instrument run logs, and total solids logs.

Note: The optional QC must be maintained by laboratory for at least one year for possible future QC audits.

United States Environmental Protection Agency, 1650 Arch Street, Philadelphia, PA 19103-2029
Phone: (800) 438-2474

ATSDR

AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

POLYCYCLIC AROMATIC HYDROCARBONS (PAHs)

Agency for Toxic Substances and Disease Registry ToxFAQs

September 1996

This fact sheet answers the most frequently asked health questions (FAQs) about polycyclic aromatic hydrocarbons (PAHs). For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. This information is important because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

What are polycyclic aromatic hydrocarbons?

(Pronounced pŏl′ĭ-sī′klĭk ăr′ə-măt′ĭk hī′drə-kar′bənz)

Polycyclic aromatic hydrocarbons (PAHs) are a group of over 100 different chemicals that are formed during the incomplete burning of coal, oil and gas, garbage, or other organic substances like tobacco or charbroiled meat. PAHs are usually found as a mixture containing two or more of these compounds, such as soot.

Some PAHs are manufactured. These pure PAHs usually exist as colorless, white, or pale yellow-green solids. PAHs are found in coal tar, crude oil, creosote, and roofing tar, but a few are used in medicines or to make dyes, plastics, and pesticides.

What happens to PAHs when they enter the environment?

- PAHs enter the air mostly as releases from volcanoes, forest fires, burning coal, and automobile exhaust.
- PAHs can occur in air attached to dust particles.
- Some PAH particles can readily evaporate into the air from soil or surface waters.
- PAHs can break down by reacting with sunlight and other chemicals in the air, over a period of days to weeks.
- PAHs enter water through discharges from industrial and wastewater treatment plants.
- Most PAHs do not dissolve easily in water. They stick to solid particles and settle to the bottoms of lakes or rivers.
- Microorganisms can break down PAHs in soil or water after a period of weeks to months.
- In soils, PAHs are most likely to stick tightly to particles; certain PAHs move through soil to contaminate underground water.
- PAH contents of plants and animals may be much higher than PAH contents of soil or water in which they live.

How might I be exposed to PAHs?

- Breathing air containing PAHs in the workplace of coking, coal-tar, and asphalt production plants; smokehouses; and municipal trash incineration facilities.
- Breathing air containing PAHs from cigarette smoke, wood smoke, vehicle exhausts, asphalt roads, or agricultural burn smoke.
- Coming in contact with air, water, or soil near hazardous waste sites.
- Eating grilled or charred meats; contaminated cereals, flour, bread, vegetables, fruits, meats; and processed or pickled foods.
- Drinking contaminated water or cow's milk.

MSDS **Material Safety Data Sheet**

From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08865

J.T.Baker

24 Hour Emergency Telephone: 908-859-2151
CHEMTREC: 1-800-424-9300

National Response in Canada
CANUTEC: 613-996-6666

Outside U.S. And Canada
Chemtrec: 703-527-3887

[illegible] CANUTEC and National [illegible] used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

ANTHRACENE

1. Product Identification

Synonyms: Paranaphthalene; Green Oil; Anthracene 90-95%
CAS No.: 120-12-7
Molecular Weight: 178.23
Chemical Formula: $(C_6H_4CH)_2$
Product Codes: B490

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Anthracene	120-12-7	99 - 100%	

3. Hazards Identification

Emergency Overview

WARNING! MAY CAUSE IRRITATION TO SKIN, EYES, AND

unconscious person. Get medical attention.

Skin Contact:

Remove any contaminated clothing. Wash skin with soap or mild detergent and water for at least 15 minutes. Get medical attention if irritation develops or persists.

Eye Contact:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Call a physician if irritation persists.

---

5. Fire Fighting Measures

Fire:

Flash point: 121C (250F) CC
Low fire hazard when exposed to heat or flames.

Explosion:

Above the flash point, explosive vapor-air mixtures may be formed. Will burst into flame on contact with chromic acid.

Fire Extinguishing Media:

Water spray, dry chemical, alcohol foam, or carbon dioxide.

Special Information:

In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

---

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

---

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

Material Safety Data Sheet

Pyrene, 98+%(gc)

ACC# 27452

Section 1 - Chemical Product and Company Identification

MSDS Name: Pyrene, 98+%(gc)
Catalog Numbers: AC180830000, AC180830250, AC180831000, AC180832500
Synonyms: Benzo[def]phenanthrene
Company Identification:

Acros Organics N.V.
One Reagent Lane
Fair Lawn, NJ 07410

For information in North America, call: 800-ACROS-01
For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
129-00-0	Pyrene, ca	96.0	204-927-3

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: yellow powder.
Danger! Cancer hazard. May be fatal if inhaled. Causes respiratory tract irritation. May be harmful if swallowed. Causes skin irritation. May cause eye irritation. May cause cancer based on animal studies. The toxicological properties of this material have not been fully investigated.
Target Organs: None known.

Potential Health Effects
Eye: May cause eye irritation.
Skin: Causes skin irritation. Prolonged and/or repeated contact may cause irritation and/or dermatitis. Dermal applications may cause hyperemia (an excess of blood in a part), weight loss, and hematopoietic changes.
Ingestion: May cause digestive tract disturbances. The toxicological properties of this substance have not been fully investigated. May be harmful if swallowed.
Inhalation: May be fatal if inhaled. Causes respiratory tract irritation. Inhalation of dust may cause respiratory tract irritation.
Chronic: May cause cancer according to animal studies. Chronic effects may include leukocytosis and lengthened chronaxy of the leg muscle flexors.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Pyrene, ca	0.2 mg/m3 TWA (as benzene soluble aerosol) (listed under Coal tar pitches).	0.1 mg/m3 TWA (cyclohexane-extractable fraction) (listed under Coal tar pitches).80 mg/m3 IDLH (listed under Coal tar pitches).	0.2 mg/m3 TWA (as benzene soluble fraction) (listed under Coal tar pitches).

OSHA Vacated PELs: Pyrene, ca: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Always use a NIOSH or European Standard EN 149 approved respirator when necessary.

Section 9 - Physical and Chemical Properties

Physical State: Powder
Appearance: yellow
Odor: None reported.
pH: Not available.
Vapor Pressure: < 1 mm Hg @20C
Vapor Density: Not available.
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: 404 deg C @ 760.00mmHg
Freezing/Melting Point:156 deg C
Decomposition Temperature: Not available.
Solubility: 1.271
Specific Gravity/Density: Not available.
Molecular Formula:$C_{16}H_{10}$
Molecular Weight:202.25

Section 10 - Stability and Reactivity

Chemical Stability: Stable under normal temperatures and pressures.

Physical: No information available.
Other: Reported BCF: rainbow trout, 72); goldfish, 457; fathead minnow, 600-970. Based on these values, minimal to moderate bioconcentration of pyrene in aquatic organisms would be expected.

Section 13 - Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
RCRA P-Series: None listed.
RCRA U-Series: None listed.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	DOT regulated - small quantity provisions apply (see 49CFR173.4)	No information available.
Hazard Class:		
UN Number:		
Packing Group:		

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 129-00-0 is listed on the TSCA inventory.
Health & Safety Reporting List
CAS# 129-00-0: Effective 6/1/87, Sunset 6/1/97
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
CAS# 129-00-0: 5000 lb final RQ; 2270 kg final RQ
SARA Section 302 Extremely Hazardous Substances
CAS# 129-00-0: 1000 lb TPQ (lower threshold); 10000 lb TPQ (upper thre shold)

SARA Codes
CAS # 129-00-0: acute, chronic.
Section 313 No chemicals are reportable under Section 313.
Clean Air Act:

International Chemical Safety Cards

BENZ(a)ANTHRACENE

ICSC: 0385

BENZ(a)ANTHRACENE
1,2-Benzoanthracene
Benzo(a)anthracene
2,3-Benzphenanthrene
Naphthanthracene
$C_{18}H_{12}$
Molecular mass: 228.3

CAS # 56-55-3
RTECS # CV9275000
ICSC # 0385
EC # 601-033-00-9

TYPES OF HAZARD/ EXPOSURE	ACUTE HAZARDS/ SYMPTOMS	PREVENTION	FIRST AID/ FIRE FIGHTING
FIRE	Combustible.		Water spray, powder. In case of fire in the surroundings: all extinguishing agents allowed.
EXPLOSION	Finely dispersed particles form explosive mixtures in air.	Prevent deposition of dust; closed system, dust explosion-proof electrical equipment and lighting.	
EXPOSURE		AVOID ALL CONTACT!	
• INHALATION		Local exhaust or breathing protection.	Fresh air, rest.
• SKIN		Protective gloves. Protective clothing.	Remove contaminated clothes. Rinse and then wash skin with water and soap.
• EYES		Safety goggles, face shield, or eye protection in combination with breathing protection.	First rinse with plenty of water for several minutes (remove contact lenses if easily possible), then take to a doctor.
• INGESTION		Do not eat, drink, or smoke during work. Wash hands before eating.	Rinse mouth.

SPILLAGE DISPOSAL	STORAGE	PACKAGING & LABELLING

ENVIRONMENTAL DATA	In the food chain important to humans, bioaccumulation takes place, specifically in seafood.

NOTES

This substance is one of many polycyclic aromatic hydrocarbons - standards are usually established for them as mixtures, e.g., coal tar pitch volatiles. However, it may be encountered as a laboratory chemical in its pure form. Insufficient data are available on the effect of this substance on human health, therefore utmost care must be taken. Do NOT take working clothes home. Tetraphene is a common name.

ADDITIONAL INFORMATION

ICSC: 0385

BENZ(a)ANTHRACENE

IMPORTANT LEGAL NOTICE:	Neither the CEC or the IPCS nor any person acting on behalf of the CEC or the IPCS is responsible for the use which might be made of this information. This card contains the collective views of the IPCS Peer Review Committee and may not reflect in all cases all the detailed requirements included in national legislation on the subject. The user should verify compliance of the cards with the relevant legislation in the country of use.

Skin: Get medical aid. Immediately 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 immediately.
Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
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. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. This material in sufficient quantity and reduced particle size is capable of creating a dust explosion.
Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.
Flash Point: Not applicable.
Autoignition Temperature: Not available.
Explosion Limits, Lower: Not available.
Upper: Not available.
NFPA Rating: (estimated) Health: ; Flammability: 1; Instability:

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.
Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Provide ventilation.

Section 7 - Handling and Storage

Handling: Wash thoroughly after handling. Wash hands before eating. Avoid contact with eyes, skin, and clothing. Use only with adequate ventilation. Avoid breathing dust.
Storage: Store in a tightly closed container. Store in a cool, dry area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Conditions to Avoid: Dust generation.
Incompatibilities with Other Materials: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide, carbon dioxide.
Hazardous Polymerization: Has not been reported.

Section 11 - Toxicological Information

RTECS#:
CAS# 218-01-9: GC0700000
LD50/LC50:
Not available.

Carcinogenicity:
CAS# 218-01-9:

- **ACGIH:** A3 - Confirmed animal carcinogen with unknown relevance to humans
- **California:** carcinogen, initial date 1/1/90
- **NTP:** Suspect carcinogen (listed as Polycyclic aromatic hydrocarbons).
- **IARC:** Group 1 carcinogen (listed as Coal tar pitches).

Epidemiology: No information available.
Teratogenicity: No information available.
Reproductive Effects: No information available.
Neurotoxicity: No information available.
Mutagenicity: Chrysene was mutagenic to S. Typhimurium in the presence of an exogenous metabolic system.
Other Studies: Genotoxicity : Salmonella typhimurium TA97,TA98,TA100 with metabolic activation positive (Sakai.M.et al Mutat.Res1985); Saccharomyces cerrevisae (Miotic recombination) D3 strain 330mg/kg negative.

Section 12 - Ecological Information

Ecotoxicity: Water flea LC50 = 1.9 mg/L; 2 Hr.; Unspecified Fish toxicity : LC50 (96hr) Neauthes arenacedentata >1ppm.(Rossi,S.S. et al Marine Pollut. Bull. 1978) Invertebrate toxicity : lethal treshold concentration (24hr) Daphnia Magna 0,7æg/l.(* Newsted,J.L. et al Environ. Toxicol. Chem. 1987) Bioaccumulation : 24hr Daphnia Magna log bioconcentration factor 3.7845 (*)
Environmental: Degradation studies : biodegradated by white rot fungus (Proc.Annu.Meet.Am.Wood-Preserv.Assoc.1989) May be utilised by axenic cultures of microorganisms e.g. Pseudomonas pancimobilis EPA505, which may have novel degradative systems(Mueller,J.G. et al ppl.Environ.Microbiol.1990; Mueller, J.G. et al Environ.Sci.Technol.1991).
Physical: Not found.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. CAS# 218-01-9 is listed as a Priority Pollutant under the Clean Water Act. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 218-01-9 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Minnesota, Massachusetts.

California Prop 65

The following statement(s) is(are) made in order to comply with the California Safe Drinking Water Act:

WARNING: This product contains Chrysene, a chemical known to the state of California to cause cancer.

California No Significant Risk Level: CAS# 218-01-9: 0.35 æg/day NSRL (oral)

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

T

Risk Phrases:

R 45 May cause cancer.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety Phrases:

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S 53 Avoid exposure - obtain special instructions before use.

S 60 This material and its container must be disposed of as hazardous waste.

S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

WGK (Water Danger/Protection)

CAS# 218-01-9: No information available.

Canada - DSL/NDSL

CAS# 218-01-9 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of D2A.

Canadian Ingredient Disclosure List

CAS# 218-01-9 is listed on the Canadian Ingredient Disclosure List.

Section 16 - Additional Information

MSDS Creation Date: 6/30/1999

Material Safety Data Sheet
Benzo[a]pyrene, 98%

ACC# 37175

Section 1 - Chemical Product and Company Identification

MSDS Name: Benzo[a]pyrene, 98%
Catalog Numbers: AC105600000, AC105600010, AC105601000, AC377200000, AC377200010, AC377201000 AC377201000
Synonyms: 3,4-Benzopyrene; 3,4-Benzpyrene; Benzo[def]chrysene.
Company Identification:

Acros Organics N.V.
One Reagent Lane
Fair Lawn, NJ 07410

For information in North America, call: 800-ACROS-01
For emergencies in the US, call CHEMTREC: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
50-32-8	Benzo[a]pyrene	>96	200-028-5

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: yellow to brown powder.
Danger! May cause heritable genetic damage. Cancer hazard. May cause harm to the unborn child. May impair fertility. May cause eye, skin, and respiratory tract irritation. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Target Organs: Reproductive system.

Potential Health Effects
Eye: May cause eye irritation.
Skin: May cause skin irritation. May be harmful if absorbed through the skin.
Ingestion: May cause irritation of the digestive tract. The toxicological properties of this substance have not been fully investigated. May be harmful if swallowed.
Inhalation: May cause respiratory tract irritation. The toxicological properties of this substance have not been fully investigated. May be harmful if inhaled.
Chronic: May cause cancer in humans. May cause reproductive and fetal effects. Laboratory experiments have resulted in mutagenic effects.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8 - Exposure Controls, Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Benzo[a]pyrene	0.2 mg/m3 TWA (as benzene soluble aerosol) (listed under Coal tar pitches).	0.1 mg/m3 TWA (cyclohexane-extractable fraction) (listed under Coal tar pitches).80 mg/m3 IDLH (listed under Coal tar pitches).	0.2 mg/m3 TWA (as benzene soluble fraction) (listed under Coal tar pitches).

OSHA Vacated PELs: Benzo[a]pyrene: No OSHA Vacated PELs are listed for this chemical.

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

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 a respirator's use.

Section 9 - Physical and Chemical Properties

Physical State: Powder
Appearance: yellow to brown
Odor: faint aromatic odor
pH: Not available.
Vapor Pressure: Not available.
Vapor Density: Not available.
Evaporation Rate: Not available.
Viscosity: Not available.
Boiling Point: 495 deg C @ 760 mm Hg
Freezing/Melting Point: 175 - 179 deg C
Decomposition Temperature: Not available.
Solubility: 1.60x10-3 mg/l @25°C
Specific Gravity/Density: Not available.
Molecular Formula: $C_{20}H_{12}$
Molecular Weight: 252.31

RCRA U-Series:
CAS# 50-32-8: waste number U022.

Section 14 - Transport Information

	US DOT	Canada TDG
Shipping Name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOL (Benzo{a}-pyrene)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOL (Benzo{a}- pyrene)
Hazard Class:	9	9
UN Number:	UN3077	UN3077
Packing Group:	III	III

Section 15 - Regulatory Information

US FEDERAL

TSCA
CAS# 50-32-8 is listed on the TSCA inventory.
Health & Safety Reporting List
None of the chemicals are on the Health & Safety Reporting List.
Chemical Test Rules
None of the chemicals in this product are under a Chemical Test Rule.
Section 12b
None of the chemicals are listed under TSCA Section 12b.
TSCA Significant New Use Rule
None of the chemicals in this material have a SNUR under TSCA.
CERCLA Hazardous Substances and corresponding RQs
CAS# 50-32-8: 1 lb final RQ; 0.454 kg final RQ
SARA Section 302 Extremely Hazardous Substances
None of the chemicals in this product have a TPQ.
SARA Codes
CAS # 50-32-8: acute, chronic.
Section 313
This material contains Benzo[a]pyrene (CAS# 50-32-8, >96%),which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR
Clean Air Act:
This material does not contain any hazardous air pollutants.
This material does not contain any Class 1 Ozone depletors.
This material does not contain any Class 2 Ozone depletors.
Clean Water Act:
None of the chemicals in this product are listed as Hazardous Substances under the CWA. CAS# 50-32-8 is listed as a Priority Pollutant under the Clean Water Act.
None of the chemicals in this product are listed as Toxic Pollutants under the CWA.
OSHA:
None of the chemicals in this product are considered highly hazardous by OSHA.
STATE
CAS# 50-32-8 can be found on the following state right to know lists: California,

shall Fisher be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Fisher has been advised of the possibility of such damages.

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. MAY CAUSE ALLERGIC SKIN REACTION. MAY AFFECT LIVER, KIDNEY, BLOOD AND CENTRAL NERVOUS SYSTEM. COMBUSTIBLE.

J.T. Baker SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 2 - Moderate
Flammability Rating: 2 - Moderate
Reactivity Rating: 0 - None
Contact Rating: 2 - Moderate
Lab Protective Equip: GOGGLES; LAB COAT
Storage Color Code: Red (Flammable)

Potential Health Effects

Inhalation:
Inhalation of dust or vapors can cause headache, nausea, vomiting, extensive sweating, and disorientation. The predominant reaction is delayed intravascular hemolysis with symptoms of anemia, fever, jaundice, and kidney or liver damage.
Ingestion:
Toxic. Can cause headache, profuse perspiration, listlessness, dark urine, nausea, vomiting and disorientation. Intravascular hemolysis may also occur with symptoms similar to those noted for inhalation. Severe cases may produce coma with or without convulsions. Death may result from renal failure.
Skin Contact:
Can irritate the skin and, on prolonged contact, may cause rashes and allergy. "Sensitized" individuals may suffer a severe dermatitis.
Eye Contact:
Vapors and solid causes irritation, redness and pain. Very high exposures can damage the nerves of the eye.
Chronic Exposure:
Has led to cataract formation in eyes. May cause skin allergy.
Aggravation of Pre-existing Conditions:
Persons with pre-existing skin, blood or vascular disorders or impaired respiratory function may be more susceptible to the effects of the substance. Particularly susceptible individuals are found in the general population, most commonly in dark skinned races.

manner that does not disperse dust into the air. Use non-sparking tools and equipment. Reduce airborne dust and prevent scattering by moistening with water. Pick up spill for recovery or disposal and place in a closed container. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from any source of heat or ignition. Keep away from moisture and oxidizers. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
- OSHA Permissible Exposure Limit (PEL):
10 ppm, 50 mg/m3.

- ACGIH Threshold Limit Value (TLV):
TWA= 10 ppm, 52 mg/m3
STEL= 15 ppm, 79 mg/m3.

Ventilation System:
A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):
If the exposure limit is exceeded, a half-face respirator with an organic vapor cartridge and particulate filter (NIOSH type P95 or R95 filter) may be worn for up to ten times the exposure limit or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. A full-face piece respirator with an organic vapor cartridge and particulate filter (NIOSH P100 or R100 filter) may be worn up to 50 times the exposure limit, or the maximum use concentration specified by the appropriate regulatory agency or respirator supplier, whichever is lowest. Please note that N series filters are not recommended for this material. For emergencies or instances where the exposure levels are not known, use

Hazardous Polymerization:
Will not occur.
Incompatibilities:
Strong oxidizers, strong alkalis and strong mineral acids, mixtures of aluminum trichloride and benzoyl chloride. Reacts violently with chromic anhydride. Melted naphthalene will attack some forms of plastics, rubber, and coatings.
Conditions to Avoid:
Avoid heat, sparks, flames and other ignition sources and incompatibles.

11. Toxicological Information

Oral rat LD50: 490 mg/kg;
Inhalation rat LC50: 340 mg/m3, 1 hour;
Skin rabbit LD50: > 20 g/kg;
Irritation data: skin (open Draize) rabbit 495 mg, mild; eye (standard Draize) rabbit 100 mg, mild;
Investigated as a tumorigen, mutagen and reproductive effector.

--------\Cancer Lists\--

Ingredient	---NTP Carcinogen--- Known	Anticipated	IARC Categ
Naphthalene (91-20-3)	No	No	None

12. Ecological Information

Environmental Fate:
When released into the soil, this material may biodegrade to a moderate extent. When released into the soil, this material is expected to leach into groundwater. When released into the soil, this material is expected to quickly evaporate. When released to water, this material is expected to quickly evaporate. When released into water, this material may biodegrade to a moderate extent. When released into the water, this material is expected to have a half-life between 1 and 10 days. This material may bioaccumulate to some extent. When released into the air, this material is expected to be readily degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material is expected to have a half-life of less than 1 day.
Environmental Toxicity:
No information found.

Ingredient	Korea	--Canada-- DSL	NDSL	Phil.
Naphthalene (91-20-3)	Yes	Yes	No	Yes

\Federal, State & International Regulations - Part 1\

Ingredient	-SARA 302- RQ	TPQ	-SARA 313- List	Chemical C
Naphthalene (91-20-3)	No	No	Yes	No

\Federal, State & International Regulations - Part 2\

Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)
Naphthalene (91-20-3)	100	U165	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: Yes Pressure: No
Reactivity: No (Pure / Solid)

Australian Hazchem Code: 2Z
Poison Schedule: S6
WHMIS:
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings: Health: **2** Flammability: **2** Reactivity: **0**
Label Hazard Warning:
WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. MAY CAUSE ALLERGIC SKIN REACTION. MAY AFFECT LIVER, KIDNEY, BLOOD AND CENTRAL NERVOUS SYSTEM. COMBUSTIBLE.
Label Precautions:
Avoid contact with eyes, skin and clothing.
Avoid prolonged or repeated contact with skin.
Avoid breathing dust.
Avoid breathing vapor.
Keep container closed.
Use only with adequate ventilation.
Wash thoroughly after handling.

This information was last updated on July 15, 2004. We have tried to make it as accurate and useful as possible, but can take no responsibility for its use, misuse, or accuracy. We have not verified this information, and cannot guarantee that it is up-to-date.

given here.)

ORL-RAT LDLO 1500 mg kg^{-1}

IPR-RAT LDLO 250 mg kg^{-1}

ITR-RAT LDLO 25 mg kg^{-1}

IPR-MUS LDLO 100 mg kg^{-1}

Transport information

(The meaning of any UN hazard codes which appear in this section is given here.)
Hazard class 4.1. Packing group III. UN No 1325.

Personal protection

Safety glasses and gloves. Good ventilation and an inert atmosphere if working with powdered material.

[Return to Physical & Theoretical Chemistry Lab. Safety home page.]

given here.)

IPR-MUS LD50 3.5 mg kg^{-1}

Risk phrases
(The meaning of any risk phrases which appear in this section is given here.)
R11 R36 R37 R38 (all for the powdered material only).

Transport information

(The meaning of any UN hazard codes which appear in this section is given here.)
UN Nos: 3089 (very fine powder), 3077 (fine powder); otherwise considered non-hazardous for air, sea and road freight.

Personal protection

Suitable ventilation if handling powder.

[Return to Physical & Theoretical Chemistry Lab. Safety home page.]

This information was last updated on November 16, 2004. Although we have tried to make it as accurate and useful as possible, we can take no responsibility for its use or misuse.

---

spontaneously. May react violently with titanium, ammonium nitrate, potassium perchlorate, hydrazoic acid. Incompatible with acids, oxidizing agents, sulfur.

Toxicology

Carcinogen. Toxic by all routes of entry. May cause sensitization by skin contact. Typical TLV 0.05 mg/m3

Toxicity data
(The meaning of any toxicological abbreviations which appear in this section is given here.)

IPR-RAT LD50 250 mg kg^{-1}

Risk phrases
(The meaning of any risk phrases which appear in this section is given here.)
R10 R17 R36 R37 R38 R40 R42 R43.

Transport information

(The meaning of any UN hazard codes which appear in this section is given here.)
UN No 3089. Packing group II. Hazard class 4.1.

Personal protection

Good ventilation. Wear gloves and safety glasses when handling the powder.

Safety phrases
(The meaning of any safety phrases which appear in this section is given here.)
S16 S22 S26 S36.

[Return to Physical & Theoretical Chemistry Lab. Safety home page.]

PESTICIDES AND PCBs

Assessing Health Risks from Pesticides

January 1999
735-F-99-002

The Federal Government, in cooperation with the States, carefully regulates pesticides to ensure that they do not pose unreasonable risks to human health or the environment. As part of that effort, the Environmental Protection Agency (EPA) requires extensive test data from pesticide producers that demonstrate pesticide products can be used without posing harm to human health and the environment. EPA scientists and analysts carefully review these data to determine whether to register (license) a pesticide product or a use and whether specific restrictions are necessary. This fact sheet is a brief overview of EPA's process for assessing potential risks to human health when evaluating pesticide products.

Background

There are more than 865 active ingredients registered as pesticides, which are formulated into thousands of pesticide products that are available in the marketplace. About 350 pesticides are used on the foods we eat, and to protect our homes and pets.

EPA plays a critical role in evaluating these chemicals prior to registration, and in reevaluating older pesticides already on the market, to ensure that they can be used with a reasonable certainty of no harm. The process EPA uses for evaluating the health impacts of a pesticide is called risk assessment.

EPA uses the National Research Council's four-step process for human health risk assessment:

Step One: Hazard Identification
Step Two: Dose-Response Assessment
Step Three: Exposure Assessment
Step Four: Risk Characterization

Step One: Hazard Identification (Toxicology)

The first step in the risk assessment process is to identify potential health effects that may occur from different types of pesticide exposure. EPA considers the full spectrum of a pesticide's potential health effects.

Generally, for human health risk assessments, many toxicity studies are conducted on animals by pesticide companies in independent laboratories and evaluated for acceptability by EPA scientists. EPA evaluates pesticides for a wide range of adverse effects, from eye and skin irritation to cancer and birth defects in laboratory animals. EPA may also consult the public literature or other sources of supporting information on any aspect of the chemical.

Step Two: Dose-Response Assessment

Paracelsus, the Swiss physician and alchemist, the "father" of modern toxicology (1493-1541) said,

> "The dose makes the poison."

In other words, **the amount of a substance a person is exposed to** is as important as **how toxic the chemical might be.** For example, small doses of aspirin can be beneficial to people, but at very high doses, this common medicine can be deadly. In some individuals, even at very low doses, aspirin may be deadly.

Dose-response assessment involves considering the dose levels at which adverse effects were observed in test animals, and using these dose levels to calculate an equal dose in humans.

Step Three: Exposure Assessment

People can be exposed to pesticides in three ways:

1. Inhaling pesticides (inhalation exposure),
2. Absorbing pesticides through the skin (dermal exposure), and
3. Getting pesticides in their mouth or digestive tract (oral exposure).

Depending on the situation, pesticides could enter the body by any one or all of these routes. Typical sources of pesticide exposure include:

- **Food**
  Most of the foods we eat have been grown with the use of pesticides. Therefore, pesticide residues may be present inside or on the surfaces of these foods.

- **Home and Personal Use Pesticides**
  You might use pesticides in and around your home to control insects.

EPA: Pesticides - Assessing Health Risks from Pesticides
Page 2 of 5

Step Two: Dose-Response Assessment

Paracelsus, the Swiss physician and alchemist, the "father" of modern toxicology (1493-1541) said,

> "The dose makes the poison."

In other words, **the amount of a substance a person is exposed to** is as important as **how toxic the chemical might be.** For example, small doses of aspirin can be beneficial to people, but at very high doses, this common medicine can be deadly. In some individuals, even at very low doses, aspirin may be deadly.

Dose-response assessment involves considering the dose levels at which adverse effects were observed in test animals, and using these dose levels to calculate an equal dose in humans.

Step Three: Exposure Assessment

People can be exposed to pesticides in three ways:

considered, and broad conclusions are made. EPA's role is to evaluate both toxicity and exposure and to determine the risk associated with use of the pesticide.

Simply put,

RISK = TOXICITY x EXPOSURE.

This means that the risk to human health from pesticide exposure depends on both the toxicity of the pesticide and the likelihood of people coming into contact with it. At least *some* exposure and *some* toxicity are required to result in a risk. For example, if the pesticide is very poisonous, but no people are exposed, there is no risk. Likewise, if there is ample exposure but the chemical is non-toxic, there is no risk. However, usually when pesticides are used, there is some toxicity and exposure, which results in a potential risk.

EPA recognizes that effects vary between animals of different species and from person to person. To account for this variability, *uncertainty factors* are built into the risk assessment. These uncertainty factors create an additional margin of safety for protecting people who may be exposed to the pesticides. FQPA requires EPA to use an extra 10-fold safety factor, if necessary, to protect infants and children from effects of the pesticide.

Types of Toxicity Tests EPA Requires for Human Health Risk Assessments

EPA evaluates studies conducted over different periods of time and that measure specific types of effects. These tests are evaluated to screen for potential health effects in infants, children and adults.

Acute Testing: Short-term exposure; a single exposure (dose).

- Oral, dermal (skin), and inhalation exposure
- Eye irritation
- Skin irritation
- Skin sensitization
- Neurotoxicity

Sub-chronic Testing: Intermediate exposure; repeated exposure over a longer period of time (i.e., 30-90 days).

- Oral, dermal (skin), and inhalation
- Neurotoxicity (nerve system damage)

Chronic Toxicity Testing: Long-term exposure; repeated exposure lasting for most of the test animal's life span. Intended to determine the effects of a pesticide after prolonged and repeated exposures.

- Chronic effects (non-cancer)
- Carcinogenicity (cancer)

Developmental and Reproductive Testing: Identify effects in the fetus of an exposed pregnant female (birth defects) and how pesticide exposure affects the ability of a test animal to successfully reproduce.

Mutagenicity Testing: Assess a pesticide's potential to affect the cell's genetic components.

Hormone Disruption: Measure effects for their potential to disrupt the endocrine system. The endocrine system consists of a set of glands and the hormones they produce that help guide the development, growth, reproduction, and behavior of animals including humans.

Risk Management

Once EPA completes the risk assessment process for a pesticide, we use this information to determine if (when used according to label directions), there is a reasonable certainty that the pesticide will not harm a person's health.

Using the conclusions of a risk assessment, EPA can then make a more informed decision regarding whether to approve a pesticide chemical or use, as proposed, or whether additional protective measures are necessary to limit occupational or non-occupational exposure to a pesticide. For example, EPA may prohibit a pesticide from being used on certain crops because consuming too much food treated with the pesticide may result in an unacceptable risk to consumers. Another example of protective measures is requiring workers to wear personal protective equipment (PPE) such as a respirator or chemical resistant gloves, or not allowing workers to enter treated crop fields until a specific period of time has passed.

If, after considering all appropriate risk reduction measures, the pesticide still does not meet EPA's safety standard, the Agency will not allow the proposed chemical or use. Regardless of the specific measures enforced, EPA's primary goal is to ensure that legal uses of the pesticide are protective of human health, especially the health of children, and the environment.

Human Health Risk Assessment and the Law

Federal law requires detailed evaluation of pesticides to protect human health and the environment. In 1996, Congress made significant changes to strengthen pesticide laws through the Food Quality Protection Act (FQPA). Many of these changes are key elements of the current risk assessment process. FQPA required that EPA consider:

- **A New Safety Standard**: FQPA strengthened the safety standard that pesticides must meet before being approved for use. EPA must ensure with a reasonable certainty that no harm will result from the legal uses of the pesticide.
- **Exposure from All Sources**: In evaluating a pesticide, EPA must estimate the combined risk from that pesticide from all non-occupational sources, such as:
  - Food Sources
  - Drinking Water Sources
  - Residential Sources
- **Cumulative Risk**: EPA is required to evaluate pesticides in light of similar toxic effects that different pesticides may share, or "a common mechanism of toxicity." At this time, EPA is developing a methodology for this type of assessment.
- **Special Sensitivity of Children to Pesticides**: EPA must ascertain whether there is an increased susceptibility from exposure to the pesticide to infants and children. EPA must build an additional 10-fold safety factor into risk assessments to ensure the protection of infants and children, unless it is determined that a lesser margin of safety will be safe for infants and children.

For More Information

If you would like more information about EPA's pesticide programs, contact the Communication Service Branch at (703) 305-5017 or visit the Pesticides Web site.

For more information on specific pesticides, or to inquire about the symptoms of pesticide poisoning, call the National Pesticide Information Center (NPIC), a toll-free hotline information at: 1-800-858-7378, or visit their Web site EXIT disclaimer.

Last updated on Monday, May 19th, 2003
URL: http://www.epa.gov/pesticides/factsheets/riskassess.htm

What is a Pesticide?

A pesticide is any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any pest. Pests can be insects, mice and other animals, unwanted plants (weeds), fungi, or microorganisms like bacteria and viruses. Though often misunderstood to refer only to *insecticides*, the term pesticide also applies to herbicides, fungicides, and various other substances used to control pests. Under United States law, a pesticide is also any substance or mixture of substances intended for use as a plant regulator, defoliant, or desiccant.

Many household products are pesticides. Did you know that all of these common products are considered pesticides?

- Cockroach sprays and baits
- Insect repellents for personal use.
- Rat and other rodent poisons.
- Flea and tick sprays, powders, and pet collars.
- Kitchen, laundry, and bath disinfectants and sanitizers.
- Products that kill mold and mildew.
- Some lawn and garden products, such as weed killers.
- Some swimming pool chemicals.

By their very nature, most pesticides create some risk of harm to humans, animals, or the environment because they are designed to kill or otherwise adversely affect living organisms. At the same time, pesticides are useful to society because of their ability to kill potential disease-causing organisms and control insects, weeds, and other pests. In the United States, the Office of Pesticide Programs of the Environmental Protection Agency is chiefly responsible for regulating pesticides. Biologically-based pesticides, such as pheromones and microbial pesticides, are becoming increasingly popular and often are safer than traditional chemical pesticides.

Here are some common kinds of pesticides and their function:

Algicides
Control algae in lakes, canals, swimming pools, water tanks, and other sites.
Antifouling agents
Kill or repel organisms that attach to underwater surfaces, such as boat bottoms.
Antimicrobials
Kill microorganisms (such as bacteria and viruses).
Attractants
Attract pests (for example, to lure an insect or rodent to a trap). (However, food is not onsidered a pesticide when used as an attractant.)
Biocides
Kill microorganisms.
Disinfectants and sanitizers
Kill or inactivate disease-producing microorganisms on inanimate objects.
Fungicides
Kill fungi (including blights, mildews, molds, and rusts).
Fumigants
Produce gas or vapor intended to destroy pests in buildings or soil.

ATSDR
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

POLYCHLORINATED BIPHENYLS

Division of Toxicology ToxFAQs™

February 2001

This fact sheet answers the most frequently asked health questions (FAQs) about polychlorinated biphenyls. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

[illegible]

What are polychlorinated biphenyls?

Polychlorinated biphenyls are mixtures of up to 209 individual chlorinated compounds (known as congeners). There are no known natural sources of PCBs. PCBs are either oily liquids or solids that are colorless to light yellow. Some PCBs can exist as a vapor in air. PCBs have no known smell or taste. Many commercial PCB mixtures are known in the U.S. by the trade name Aroclor.

PCBs have been used as coolants and lubricants in transformers, capacitors, and other electrical equipment because they don't burn easily and are good insulators. The manufacture of PCBs was stopped in the U.S. in 1977 because of evidence they build up in the environment and can cause harmful health effects. Products made before 1977 that may contain PCBs include old fluorescent lighting fixtures and electrical devices containing PCB capacitors, and old microscope and hydraulic oils.

What happens to PCBs when they enter the environment?

- ☐ PCBs entered the air, water, and soil during their manufacture, use, and disposal; from accidental spills and leaks during their transport; and from leaks or fires in products containing PCBs.
- ☐ PCBs can still be released to the environment from hazardous waste sites; illegal or improper disposal of industrial wastes and consumer products; leaks from old electrical transformers containing PCBs; and burning of some wastes in incinerators.
- ☐ PCBs do not readily break down in the environment and thus may remain there for very long periods of time. PCBs can travel long distances in the air and be deposited in areas far away from where they were released. In water, a small amount of PCBs may remain dissolved, but most stick to organic particles and bottom sediments. PCBs also bind strongly to soil.
- ☐ PCBs are taken up by small organisms and fish in water. They are also taken up by other animals that eat these aquatic animals as food. PCBs accumulate in fish and marine mammals, reaching levels that may be many thousands of times higher than in water.

How might I be exposed to PCBs?

- ☐ Using old fluorescent lighting fixtures and electrical devices and appliances, such as television sets and refrigerators, that were made 30 or more years ago. These items may leak small amounts of PCBs into the air when they get hot during operation, and could be a source of skin exposure.
- ☐ Eating contaminated food. The main dietary sources of PCBs are fish (especially sportfish caught in contaminated lakes or rivers), meat, and dairy products.
- ☐ Breathing air near hazardous waste sites and drinking contaminated well water.
- ☐ In the workplace during repair and maintenance of PCB transformers; accidents, fires or spills involving transformers, fluorescent lights, and other old electrical devices; and disposal of PCB materials.

How can PCBs affect my health?

The most commonly observed health effects in people exposed to large amounts of PCBs are skin conditions such as acne and rashes. Studies in exposed workers have shown changes in blood and urine that may indicate liver damage. PCB exposures in the general population are not likely to result in skin and liver effects. Most of the studies of health effects of PCBs in the general population examined children of mothers who were exposed to PCBs.

Animals that ate food containing large amounts of PCBs for short periods of time had mild liver damage and some died. Animals that ate smaller amounts of PCBs in food over several weeks or months developed various kinds of health effects, including anemia; acne-like skin conditions; and liver, stomach, and thyroid gland injuries. Other effects of PCBs in animals include changes in the immune system, behavioral alterations, and impaired reproduction. PCBs are not known to cause birth defects.

How likely are PCBs to cause cancer?

Few studies of workers indicate that PCBs were associated with certain kinds of cancer in humans, such as cancer of the liver and biliary tract. Rats that ate food containing high levels of PCBs for two years developed liver cancer. The Department of Health and Human Services (DHHS) has concluded that PCBs may reasonably be anticipated to be carcinogens. The EPA and the International Agency for Research on Cancer (IARC) have determined that PCBs are probably carcinogenic to humans.

How can PCBs affect children?

Women who were exposed to relatively high levels of PCBs in the workplace or ate large amounts of fish contaminated with PCBs had babies that weighed slightly less than babies from women who did not have these exposures. Babies born to women who ate PCB-contaminated fish also showed abnormal responses in tests of infant behavior. Some of these behaviors, such as problems with motor skills and a decrease in short-term memory, lasted for several years. Other studies suggest that the immune system was affected in children born to and nursed by mothers exposed to increased levels of PCBs. There are no reports of structural birth defects caused by exposure to PCBs or of health effects of PCBs in older children. The most likely way infants will be exposed to PCBs is from breast milk. Transplacental transfers of PCBs were also reported In most cases, the benefits of breast-feeding outweigh any risks from exposure to PCBs in mother's milk.

How can families reduce the risk of exposure to PCBs?

❑ You and your children may be exposed to PCBs by eating fish or wildlife caught from contaminated locations. Certain states, Native American tribes, and U.S. territories have issued advisories to warn people about PCB-contaminated fish and fish-eating wildlife. You can reduce your family's exposure to PCBs by obeying these advisories.

❑ Children should be told not play with old appliances, electrical equipment, or transformers, since they may contain PCBs.

❑ Children should be discouraged from playing in the dirt near hazardous waste sites and in areas where there was a transformer fire. Children should also be discouraged from eating dirt and putting dirty hands, toys or other objects in their mouths, and should wash hands frequently.

❑ If you are exposed to PCBs in the workplace it is possible to carry them home on your clothes, body, or tools. If this is the case, you should shower and change clothing before leaving work, and your work clothes should be kept separate from other clothes and laundered separately.

Is there a medical test to show whether I've been exposed to PCBs?

Tests exist to measure levels of PCBs in your blood, body fat, and breast milk, but these are not routinely conducted. Most people normally have low levels of PCBs in their body because nearly everyone has been environmentally exposed to PCBs. The tests can show if your PCB levels are elevated, which would indicate past exposure to above-normal levels of PCBs, but cannot determine when or how long you were exposed or whether you will develop health effects.

Has the federal government made recommendations to protect human health?

The EPA has set a limit of 0.0005 milligrams of PCBs per liter of drinking water (0.0005 mg/L). Discharges, spills or accidental releases of 1 pound or more of PCBs into the environment must be reported to the EPA. The Food and Drug Administration (FDA) requires that infant foods, eggs, milk and other dairy products, fish and shellfish, poultry and red meat contain no more than 0.2-3 parts of PCBs per million parts (0.2-3 ppm) of food. Many states have established fish and wildlife consumption advisories for PCBs.

References

Agency for Toxic Substances and Disease Registry (ATSDR). 2000. Toxicological profile for polychlorinated biphenyls (PCBs). Atlanta, GA: U.S. Department of Health and Human Services, Public Health Service.

Where can I get more information? For more information, contact the Agency for Toxic Substances and Disease Registry, Division of Toxicology, 1600 Clifton Road NE, Mailstop E-29, Atlanta, GA 30333. Phone: 1-888-422-8737, FAX: 404-498-0093. ToxFAQs™ Internet address is http://www.atsdr.cdc.gov/toxfaq.html. ATSDR can tell you where to find occupational and environmental health clinics. Their specialists can recognize, evaluate, and treat illnesses resulting from exposure to hazardous substances. You can also contact your community or state health or environmental quality department if you have any more questions or concerns.

METALS

Heavy Metals

Introduction

The **term heavy** metal refers to any metallic chemical element that h. and is toxic or poisonous at low concentrations. Examples of heavy m (Hg), cadmium (Cd), arsenic (As), chromium (Cr), thallium (Tl), and le

Heavy metals are natural components of the Earth's crust. They cannot be degraded or destroyed. enter our bodies via food, drinking water and air. As trace elements, some heavy metals (e.g. coppe essential to maintain the metabolism of the human body. However, at higher concentrations they ca metal poisoning could result, for instance, from drinking-water contamination (e.g. lead pipes), high concentrations near emission sources, or intake via the food chain.

Heavy metals are dangerous because they tend to **bioaccumulate.** Bioaccumulation means an incr of a chemical in a biological organism over time, compared to the chemical's concentration in the en accumulate in living things any time they are taken up and stored faster than they are broken down excreted.

Heavy metals can enter a water supply by industrial and consumer waste, or even from acidic rain b releasing heavy metals into streams, lakes, rivers, and groundwater.

Environmental and health risks.

Now we are going to describe the effects of the heavy metals in the environment. The three most po Lead, Cadmium, and Mercury.

Effects of Antimony on the environment

Antimony is a metal used in the compound antimony trioxide, a flame retardant. It can also be foun and ceramics and glass. Exposure to high levels of antimony for short periods of time causes nause There is little information on the effects of long-term antimony exposure, but it is a suspected huma antimony compounds do not bioaccumulate in aquatic life.

Effects of Cadmium on the environment

Cadmium derives its toxicological properties from its chemical similarity to zinc an essential micronu and humans. Cadmium is biopersistent and, once absorbed by an organism, remains resident for m. for humans) although it is eventually excreted.

In humans, long-term exposure is associated with renal disfunction. High exposure can lead to obst has been linked to lung cancer, although data concerning the latter are difficult to interpret due to c Cadmium may also produce bone defects (*osteomalacia*, *osteoporosis*) in humans and animals. In a linked to increased blood pressure and effects on the myocardium in animals, although most human findings.

The average daily intake for humans is estimated as 0.15µg from air and 1µg from water. Smoking can lead to the inhalation of around 2-4µg of cadmium, but levels may vary widely.

In what form is emitted Cadmium?

Cadmium is produced as an inevitable by-product of zinc (or occasionally lead) refining, since these within the raw ore. However, once collected the cadmium is relatively easy to recycle.

The most significant use of cadmium is in nickel/cadmium batteries, as rechargeable or secondary p high output, long life, low maintenance and high tolerance to physical and electrical stress. Cadmiur corrosion resistance, particularly in high stress environments such as marine and aerospace applicat reliability is required; the coating is preferentially corroded if damaged. Other uses of cadmium are PVC, in alloys and electronic compounds. Cadmium is also present as an impurity in several product fertilisers, detergents and refined petroleum products.

In the general, non-smoking population the major exposure pathway is through food, via the additic agricultural soil from various sources (atmospheric deposition and fertiliser application) and uptake Additional exposure to humans arises through cadmium in ambient air and drinking water.

Effects of Chromium on the environment

Chromium is used in metal alloys and pigments for paints, cement, paper, rubber, and other materi can irritate the skin and cause ulceration. Long-term exposure can cause kidney and liver damage, circulatory and nerve tissue. Chromium often accumulates in aquatic life, adding to the danger of e been exposed to high levels of chromium.

Effects of Copper on the environment

Copper is an essential substance to human life, but in high doses it can cause anemia, liver and kidr and intestinal irritation. People with Wilson's disease are at greater risk for health effects from overe Copper normally occurs in drinking water from copper pipes, as well as from additives designed to c

Effects of Lead on the environment

In humans exposure to lead can result in a wide range of biological effects depending on the level a Various effects occur over a broad range of doses, with the developing foetus and infant being more High levels of exposure may result in toxic biochemical effects in humans which in turn cause proble haemoglobin, effects on the kidneys, gastrointestinal tract, joints and reproductive system, and acu the nervous system.

Lead poisoning, which is so severe as to cause evident illness, is now very rare indeed. At intermedi however, there is persuasive evidence that lead can have small, subtle, subclinical effects, particula developments in children. Some studies suggest that there may be a loss of up to 2 IQ points for a from 10 to 20µg/dl in young children.

Average daily lead intake for adults in the UK is estimated at 1.6µg from air, 20µg from drinking wa Although most people receive the bulk of their lead intake from food, in specific populations other sc important, such as water in areas with lead piping and plumbosolvent water, air near point of sourc paint flakes in old houses or contaminated land. Lead in the air contributes to lead levels in food thr and rain containing the metal, on crops and the soil. For the majority of people in the UK, however, well below the provisional tolerable weekly intake recommended by the UN Food and Agriculture Or Health Organisation.

In what form is emitted lead?

Lead in the environment arises from both natural and anthropogenic sources. Exposure can occur th food, air, soil and dust from old paint containing lead. In the general non-smoking, adult population pathway is from food and water. Food, air, water and dust/soil are the major potential exposure pat young children. For infants up to 4 or 5 months of age, air, milk formulae and water are the signific

Lead is among the most recycled non-ferrous metals and its secondary production has therefore gro declining lead prices. Its physical and chemical properties are applied in the manufacturing, constru industries. It is easily shaped and is malleable and ductile. There are eight broad categories of use: (no longer allowed in the EU), rolled and extruded products, alloys, pigments and compounds, cable ammunition.

Effects of Mercury on the environment

Mercury is a toxic substance which has no known function in human biochemistry or physiology and in living organisms. Inorganic mercury poisoning is associated with tremors, gingivitis and/or minor together with spontaneous abortion and congenital malformation.

Monomethylmercury causes damage to the brain and the central nervous system, while foetal and p given rise to abortion, congenital malformation and development changes in young children.

In what form is emitted Mercury?

Mercury is a global pollutant with complex and unusual chemical and physical properties. The major is the degassing of the Earth's crust, emissions from volcanoes and evaporation from natural bodies

World-wide mining of the metal leads to indirect discharges into the atmosphere. The usage of merc industrial processes and in various products (e.g. batteries, lamps and thermometers). It is also wic amalgam for fillings and by the pharmaceutical industry. Concern over mercury in the environment toxic forms in which mercury can occur.

Mercury is mostly present in the atmosphere in a relatively unreactive form as a gaseous element. T lifetime (of the order of 1 year) of its gaseous form means the emission, transport and deposition of

Natural biological processes can cause methylated forms of mercury to form which bioaccumulate o concentrate in living organisms, especially fish. These forms of mercury: monomethylmercury and c toxic, causing neurotoxicological disorders. The main pathway for mercury to humans is through the inhalation.

The main sources of mercury emissions in the UK are from the manufacture of chlorine in mercury c production, coal combustion and crematoria. UK emissions of mercury are uncertain and it is estima 13 to 36 tonnes per year (DERA). Emissions are estimated to have declined by around ¾'s between due to improved controls on mercury cells and their replacement, and the fall in coal use.

Whilst there has been a decline in the level of European emissions of mercury, emissions from outsi to increase – increasing the level of ambient concentrations in the continent.

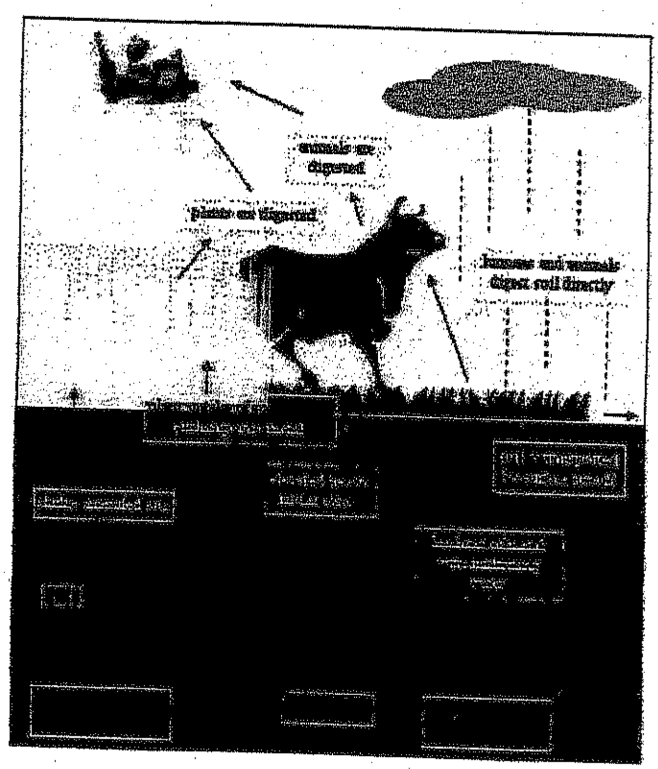
effects of Nickel on the environment

Small amounts of Nickel are needed by the human body to produce red blood cells, however, in exc become mildly toxic. Short-term overexposure to nickel is not known to cause any health problems, can cause decreased body weight, heart and liver damage, and skin irritation. The EPA does not cur levels in drinking water. Nickel can accumulate in aquatic life, but its presence is not magnified alon

Effects of Selenium on the environment

Selenium is needed by humans and other animals in small amounts, but in larger amounts can caus system, fatigue, and irritability. Selenium accumulates in living tissue, causing high selenium conter organisms, and causing greater health problems in human over a lifetime of overexposure. These h and fingernail loss, damage to kidney and liver tissue, damage to circulatory tissue, and more sever system.

Heavy Metals adsorption process:



In the picture we can observe the way that follows the havy metals from the first step of the polluti human body by menas the food.

The most importants disasters with heavy metals:

1932

Minamata
Sewage containing mercury is released by Chisso's chemicals works into Minimata Bay in Japan. The mercury accumulates in sea creatures, leading eventually to mercury poisoning in the population.
1952
Minamata Syndrome
In 1952, the first incidents of mercury poisoning appear in the population of Minimata Bay in Japan, caused by consumption of fish polluted with mercury, bringing over 500 fatalities. Since then, Japan has had the strictest environmental laws in the industrialised world.
1986-11-01
Sandoz
Water used to extinguish a major fire carries c. 30 t fungicide containing mercury into the Upper Rhine. Fish are killed over a stretch of 100 km. The shock drives many FEA projects forwards. See also "Pollution of the Rhine at Basel / Sandoz".
1998-04
Spanish nature reserve contaminated after environmental disaster
Toxic chemicals in water from a burst dam belonging to a mine contaminate the Coto de Donana nature reserve in southern Spain. C. 5 million m_ of mud containing sulphur, lead, copper, zinc and cadmium flow down the Rio Guadimar. Experts estimate that Europe's largest bird sanctuary, as well as Spain's agriculture and fisheries, will suffer permanent damage from the pollution.

Suggested reading for Heavy Metals

[Home] [Back] [More Info][Electrolysis][Metallyse]

Rotterdamseweg 402 M
2629 HH Delft, The Netherlands
tel: (+31)(0)15 26.10.900
fax: (+31)(0)15 26.16.289
e-mail: info@lenntech.com

MSDS Number: A7441 * * * * * *Effective Date: 11/12/03* * * * * * *Supercedes: 02/23/01*

MSDS Material Safety Data Sheet

From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08865

24 Hour Emergency Telephone: 908-859-2151
CHEMTREC: 1-800-424-9300

National Response in Canada
CANUTEC: 613-996-6666

Outside U.S. And Canada
Chemtrec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

ARSENIC, 1,000 UG/ML OR 10,000 UG/ML

1. Product Identification

Synonyms: None
CAS No.: Not applicable to mixtures.
Molecular Weight: Not applicable to mixtures.
Chemical Formula: Not applicable to mixtures.
Product Codes: 5704, 5718, 6442

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Arsenic	7440-38-2	0.1 - 1%	Yes
Nitric Acid	7697-37-2	< 4%	Yes
Water	7732-18-5	> 95%	No

3. Hazards Identification

Emergency Overview

DANGER! CORROSIVE. LIQUID AND MIST CAUSE SEVERE BURNS TO ALL BODY TISSUE. MAY BE FATAL IF SWALLOWED OR INHALED. AFFECTS LIVER, KIDNEYS, LUNGS AND TEETH. CANCER HAZARD. CONTAINS INORGANIC ARSENIC WHICH CAN CAUSE CANCER. Risk of cancer depends on duration and level of exposure.

J.T. Baker SAF-T-DATA(tm) Ratings (Provided here for your convenience)

Health Rating: 4 - Extreme (Cancer Causing)
Flammability Rating: 0 - None
Reactivity Rating: 1 - Slight
Contact Rating: 3 - Severe (Corrosive)
Lab Protective Equip: GOGGLES & SHIELD; LAB COAT & APRON; VENT HOOD; PROPER GLOVES
Storage Color Code: White (Corrosive)

Potential Health Effects

Nitric acid is extremely hazardous; it is corrosive, reactive, an oxidizer, and a poison. The health effects from exposure to diluted forms of this chemical are not well documented. They are expected to be less severe than those for concentrated forms which are referenced in the descriptions below.

Inhalation:
Corrosive! Inhalation of vapors can cause breathing difficulties and lead to pneumonia and pulmonary edema, which may be fatal. Other symptoms may include coughing, choking, and irritation of the nose, throat, and respiratory tract. Arsenic may cause inflammation of the mucous membranes with cough and foamy sputum, restlessness, dyspnea, cyanosis, and rales. Symptoms like those from ingestion exposure may follow. May cause pulmonary edema.
Ingestion:
Corrosive! Swallowing nitric acid can cause immediate pain and burns of the mouth, throat, esophagus and gastrointestinal tract. Arsenic is highly toxic! May cause burning in esophagus, vomiting, and bloody diarrhea. Symptoms of cold and clammy skin, low blood pressure, weakness, headache, cramps, convulsions, and coma may follow. May cause damage to liver and kidneys. A suspected fetal toxin. Death may occur from circulatory failure. Estimated lethal dose 120 milligrams.
Skin Contact:
Corrosive! Can cause redness, pain, and severe skin burns. Concentrated solutions cause deep ulcers and stain skin a yellow or yellow-brown color.
Eye Contact:
Corrosive! Vapors are irritating and may cause damage to the eyes. Contact may cause severe burns and permanent eye damage.
Chronic Exposure:
Long-term exposure to concentrated vapors may cause erosion of teeth and lung damage. Long-term exposures seldom occur due to the corrosive properties of the acid. Arsenic on repeated or prolonged skin contact may cause bronzing of the skin, edema, dermatitis, and lesions. Repeated or prolonged inhalation of dust may cause damage to the nasal septum. Chronic exposure from inhalation or ingestion may cause hair and weight loss, a garlic odor

to the breath and perspiration, excessive salivation and perspiration, central nervous system damage, hepatitis, gastrointestinal disturbances, cardiovascular damage, and kidney and liver damage. Arsenic compounds are known human carcinogens and may be teratogenic based on effects in laboratory animals.
Aggravation of Pre-existing Conditions:
Persons with pre-existing skin disorders, eye disease, or cardiopulmonary diseases may be more susceptible to the effects of this substance.

---

4. First Aid Measures

Immediate first aid treatment reduces the health effects of this substance. First aid procedures given apply to concentrated solutions. Exposures to dilute solutions may not require these extensive first aid procedures.
Inhalation:
Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
Ingestion:
If swallowed, give large quantities of water to drink and get medical attention immediately. Never give anything by mouth to an unconscious person.
Skin Contact:
In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately. Contaminated work clothes should be laundered by individuals who have been informed of the hazards of exposure to this substance.
Eye Contact:
Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Note to Physician:
If emesis if unsuccessful after two doses of Ipecac, consider gastric lavage. Monitor urine arsenic level. Alkalization of urine may help prevent disposition of red cell breakdown products in renal tubular cells. If acute exposure is significant, maintain high urine output and monitor volume status, preferably with central venous pressure line. Abdominal X-rays should be done routinely for all ingestions. Chelation therapy with BAL, followed by n-penicillamine is recommended, but specific dosing guidelines are not clearly established.

---

5. Fire Fighting Measures

Fire:
Not combustible, but concentrated material is a strong oxidizer and its heat of reaction with reducing agents or combustibles may cause ignition.
Explosion:
Concentrated material reacts explosively with combustible organic or readily oxidizable materials such as: alcohols, turpentine, charcoal, organic refuse, metal powder, hydrogen sulfide, etc. Reacts with most metals to release hydrogen gas which can form explosive

mixtures with air.
Fire Extinguishing Media:
If involved in a fire, use water spray.
Special Information:
Increases the flammability of combustible, organic and readily oxidizable materials. In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

---

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Contain and recover liquid when possible. Neutralize with alkaline material (soda ash, lime), then absorb with an inert material (e. g., vermiculite, dry sand, earth), and place in a chemical waste container. Do not use combustible materials, such as saw dust. Do not flush to sewer! US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

J. T. Baker NEUTRASORB® or TEAM® 'Low Na+' acid neutralizers are recommended for spills of this product.

---

7. Handling and Storage

Store in a cool, dry, ventilated storage area with acid resistant floors and good drainage. Protect from physical damage. Keep out of direct sunlight and away from heat, water, and incompatible materials. Do not wash out container and use it for other purposes. When diluting, the acid should always be added slowly to water and in small amounts. Never use hot water and never add water to the acid. Water added to acid can cause uncontrolled boiling and splashing. Wear special protective equipment (Sec. 8) for maintenance break-in or where exposures may exceed established exposure levels. Wash hands, face, forearms and neck when exiting restricted areas. Shower, dispose of outer clothing, change to clean garments at the end of the day. Avoid cross-contamination of street clothes. Wash hands before eating and do not eat, drink, or smoke in workplace. Containers of this material may be hazardous when empty since they retain product residues (vapors, liquid); observe all warnings and precautions listed for the product.

---

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
For Nitric Acid:

OSHA Permissible Exposure Limit (PEL):
2 ppm (TWA)
ACGIH Threshold Limit Value (TLV):
2 ppm (TWA); 4 ppm (STEL)
For Inorganic Arsenic compounds (as As):
- OSHA Permissible Exposure Limit (PEL):
10 ug/m3 (TWA), 5 ug/m3(Action Level), cancer hazard.
- ACGIH Threshold Limit Value (TLV):
0.01 mg/m3 (TWA), A1, confirmed human carcinogen.

Ventilation System:

A system of local and/or general exhaust is recommended to keep employee exposures below the Airborne Exposure Limits. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

Personal Respirators (NIOSH Approved):

If the exposure limit is exceeded, wear a supplied air, full-facepiece respirator, airlined hood, or full-facepiece self-contained breathing apparatus. Canister-type respirators using sorbents are ineffective.

Skin Protection:

Rubber or neoprene gloves and additional protection including impervious boots, apron, or coveralls, as needed in areas of unusual exposure to prevent skin contact.

Eye Protection:

Use chemical safety goggles and/or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

Other Control Measures:

Any area where inorganic arsenic is stored, handled, used, etc., must be established as a 'Regulated Area' with controlled access, limited to authorized persons. Containers of inorganic arsenic and Regulated Areas must be labeled to show a CANCER SUSPECT AGENT is present. Eating, drinking, and smoking should not be permitted in areas where solids or liquids containing arsenic or lead compounds are handled, processed, or stored. See OSHA substance-specific standard for more information on personal protective equipment, engineering and work practice controls, medical surveillance, record keeping, and reporting requirements. (arsenic: 29 CFR 1910 .1018; lead: 29 CFR 1910.1025).

---

9. Physical and Chemical Properties

Appearance:

Clear, colorless liquid.

Odor:

Odorless.

Solubility:

Infinitely soluble.

Specific Gravity:

No information found.

pH:

No information found.

% Volatiles by volume @ 21C (70F):

> 99
Boiling Point:
No information found.
Melting Point:
No information found.
Vapor Density (Air=1):
No information found.
Vapor Pressure (mm Hg):
No information found.
Evaporation Rate (BuAc=1):
No information found.

10. Stability and Reactivity

Stability:
Stable under ordinary conditions of use and storage. Containers may burst when heated.
Hazardous Decomposition Products:
When heated to decomposition, emits toxic nitrogen oxides fumes and hydrogen nitrate. Emits toxic fumes of arsenic when heated to decomposition.
Hazardous Polymerization:
Will not occur.
Incompatibilities:
A dangerously powerful oxidizing agent, concentrated nitric acid is incompatible with most substances, especially strong bases, metallic powders, carbides, hydrogen sulfide, turpentine, and combustible organics.
Conditions to Avoid:
Heat, incompatibles.

11. Toxicological Information

Toxicological Data:
For arsenic: oral rat LD50: 763 mg/kg. Investigated as a tumorigen, mutagen, reproductive effector. For Nitric Acid: Investigated as a mutagen and reproductive effector.
Carcinogenicity:
For arsenic and inorganic arsenic compounds:
Regulated by OSHA as a carcinogen.
EPA / IRIS classification: Group A - Known human carcinogen.

--------\Cancer Lists\--

Ingredient	---NTP Carcinogen--- Known	Anticipated	IARC Category
Arsenic (7440-38-2)	Yes	No	1
Nitric Acid (7697-37-2)	No	No	None
Water (7732-18-5)	No	No	None

12. Ecological Information

Environmental Fate:
No information found.
Environmental Toxicity:
No information found.

---

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

---

14. Transport Information

Domestic (Land, D.O.T.)

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)
Hazard Class: 8
UN/NA: UN3264
Packing Group: III
Information reported for product/size: 500ML

International (Water, I.M.O.)

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)
Hazard Class: 8
UN/NA: UN3264
Packing Group: III
Information reported for product/size: 500ML

International (Air, I.C.A.O.)

Proper Shipping Name: CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (NITRIC ACID)
Hazard Class: 8
UN/NA: UN3264
Packing Group: III
Information reported for product/size: 500ML

---

15. Regulatory Information

--------\Chemical Inventory Status - Part 1\--------

Ingredient	TSCA	EC	Japan	Australia
Arsenic (7440-38-2)	Yes	Yes	No	Yes
Nitric Acid (7697-37-2)	Yes	Yes	Yes	Yes
Water (7732-18-5)	Yes	Yes	Yes	Yes

--------\Chemical Inventory Status - Part 2\--------

Ingredient	Korea	--Canada-- DSL	--Canada-- NDSL	Phil.
Arsenic (7440-38-2)	Yes	Yes	No	Yes
Nitric Acid (7697-37-2)	Yes	Yes	No	Yes
Water (7732-18-5)	Yes	Yes	No	Yes

--------\Federal, State & International Regulations - Part 1\--------

Ingredient	-SARA 302- RQ	-SARA 302- TPQ	------SARA 313------ List	------SARA 313------ Chemical Catg.
Arsenic (7440-38-2)	No	No	Yes	Arsenic comp
Nitric Acid (7697-37-2)	1000	1000	Yes	No
Water (7732-18-5)	No	No	No	No

--------\Federal, State & International Regulations - Part 2\--------

Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)
Arsenic (7440-38-2)	1	No	No
Nitric Acid (7697-37-2)	1000	No	No
Water (7732-18-5)	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity: No (Mixture / Liquid)

WARNING:
THIS PRODUCT CONTAINS A CHEMICAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

Australian Hazchem Code: None allocated.
Poison Schedule: S6
WHMIS:
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings: Health: **3** Flammability: **0** Reactivity: **0**
Label Hazard Warning:
DANGER! CORROSIVE. LIQUID AND MIST CAUSE SEVERE BURNS TO ALL

BODY TISSUE. MAY BE FATAL IF SWALLOWED OR INHALED. AFFECTS LIVER, KIDNEYS, LUNGS AND TEETH. CANCER HAZARD. CONTAINS INORGANIC ARSENIC WHICH CAN CAUSE CANCER. Risk of cancer depends on duration and level of exposure.

Label Precautions:

Do not get in eyes, on skin, or on clothing.
Do not breathe vapor or mist.
Use only with adequate ventilation.
Wash thoroughly after handling.
Keep container closed.

Label First Aid:

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. If swallowed, give large amounts of water to drink. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In all cases get medical attention immediately.

Product Use:

Laboratory Reagent.

Revision Information:

No Changes.

Disclaimer:

****

****

Prepared by: Environmental Health & Safety
Phone Number: (314) 654-1600 (U.S.A.)

ATSDR

AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

MERCURY

CAS # 7439-97-6

Agency for Toxic Substances and Disease Registry ToxFAQs

April 1999

This fact sheet answers the most frequently asked health questions (FAQs) about mercury. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

What is mercury?

(Pronounced mŭr′kyə-rē)

Mercury is a naturally occurring metal which has several forms. The metallic mercury is a shiny, silver-white, odorless liquid. If heated, it is a colorless, odorless gas.

Mercury combines with other elements, such as chlorine, sulfur, or oxygen, to form inorganic mercury compounds or "salts," which are usually white powders or crystals. Mercury also combines with carbon to make organic mercury compounds. The most common one, methylmercury, is produced mainly by microscopic organisms in the water and soil. More mercury in the environment can increase the amounts of methylmercury that these small organisms make.

Metallic mercury is used to produce chlorine gas and caustic soda, and is also used in thermometers, dental fillings, and batteries. Mercury salts are sometimes used in skin lightening creams and as antiseptic creams and ointments.

What happens to mercury when it enters the environment?

- Inorganic mercury (metallic mercury and inorganic mercury compounds) enters the air from mining ore deposits, burning coal and waste, and from manufacturing plants.
- It enters the water or soil from natural deposits, disposal of wastes, and volcanic activity.
- Methylmercury may be formed in water and soil by small organisms called bacteria.
- Methylmercury builds up in the tissues of fish. Larger and older fish tend to have the highest levels of mercury.

How might I be exposed to mercury?

- Eating fish or shellfish contaminated with methylmercury.
- Breathing vapors in air from spills, incinerators, and industries that burn mercury-containing fuels.
- Release of mercury from dental work and medical treatments.
- Breathing contaminated workplace air or skin contact during use in the workplace (dental, health services, chemical, and other industries that use mercury).
- Practicing rituals that include mercury.

How can mercury affect my health?

The nervous system is very sensitive to all forms of mercury. Methylmercury and metallic mercury vapors are more harmful than other forms, because more mercury in these forms reaches the brain. Exposure to high levels of metallic, inorganic, or organic mercury can permanently damage the brain, kidneys, and developing fetus. Effects on brain functioning may result in irritability, shyness, tremors, changes in vision or hearing, and memory problems.

Short-term exposure to high levels of metallic mercury vapors may cause effects including lung damage, nausea,

ATSDR
AGENCY FOR TOXIC SUBSTANCES AND DISEASE REGISTRY

LEAD
CAS # 7439-92-1

Agency for Toxic Substances and Disease Registry ToxFAQs

June 1999

This fact sheet answers the most frequently asked health questions (FAQs) about lead. For more information, call the ATSDR Information Center at 1-888-422-8737. This fact sheet is one in a series of summaries about hazardous substances and their health effects. It's important you understand this information because this substance may harm you. The effects of exposure to any hazardous substance depend on the dose, the duration, how you are exposed, personal traits and habits, and whether other chemicals are present.

What is lead?

(Pronounced lĕd)

Lead is a naturally occurring bluish-gray metal found in small amounts in the earth's crust. Lead can be found in all parts of our environment. Much of it comes from human activities including burning fossil fuels, mining, and manufacturing.

Lead has many different uses. It is used in the production of batteries, ammunition, metal products (solder and pipes), and devices to shield X-rays.

Because of health concerns, lead from gasoline, paints and ceramic products, caulking, and pipe solder has been dramatically reduced in recent years.

What happens to lead when it enters the environment?

- ❑ Lead itself does not break down, but lead compounds are changed by sunlight, air, and water.
- ❑ When lead is released to the air, it may travel long distances before settling to the ground.
- ❑ Once lead falls onto soil, it usually sticks to soil particles.
- ❑ Movement of lead from soil into groundwater will depend on the type of lead compound and the characteristics of the soil.
- ❑ Much of the lead in inner-city soils comes from old houses painted with lead-based paint.

How might I be exposed to lead?

- ❑ Eating food or drinking water that contains lead.
- ❑ Spending time in areas where lead-based paints have been used and are deteriorating.
- ❑ Working in a job where lead is used.
- ❑ Using health-care products or folk remedies that contain lead.
- ❑ Engaging in certain hobbies in which lead is used (for example, stained glass).

How can lead affect my health?

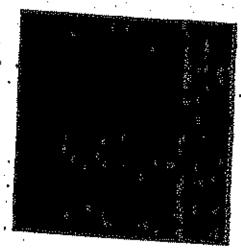
Lead can affect almost every organ and system in your body. The most sensitive is the central nervous system, particularly in children. Lead also damages kidneys and the reproductive system. The effects are the same whether it is breathed or swallowed.

At high levels, lead may decrease reaction time, cause weakness in fingers, wrists, or ankles, and possibly affect the memory. Lead may cause anemia, a disorder of the blood. It can also damage the male reproductive system. The connection between these effects and exposure to low levels of lead is uncertain.

How likely is lead to cause cancer?

The Department of Health and Human Services has determined that lead acetate and lead phosphate may reasonably

Safety (MSDS) data for beryllium



General

Synonyms: glucinium
Molecular formula: Be
CAS No: 7440-41-7
EINECS No: 231-150-7
EU No: 004-001-00-7

Physical data

Appearance: silvery solid or grey foil
Melting point: 1278 C
Boiling point: 2970 C
Vapour density:
Vapour pressure:
Density (g cm^{-3}): 1.85
Flash point:
Explosion limits:
Autoignition temperature:
Water solubility: insoluble

Stability

Stable. Incompatible with acids, bases, oxidizing agents, halogen

pH:
No information found.
% Volatiles by volume @ 21C (70F):
0
Boiling Point:
340C (644F)
Melting Point:
217C (423F)
Vapor Density (Air=1):
6.15
Vapor Pressure (mm Hg):
1 @ 145C (293F) (sublimes)
Evaporation Rate (BuAc=1):
No information found.

---

10. Stability and Reactivity

Stability:
Stable under ordinary conditions of use and storage. Darkens on exposure to light.
Hazardous Decomposition Products:
Carbon dioxide and carbon monoxide may form when heated to decomposition.
Hazardous Polymerization:
Will not occur.
Incompatibilities:
Fluorine, chromic acid, oxidizing agents.
Conditions to Avoid:
No information found.

---

11. Toxicological Information

Oral mouse LD: > 17,000 mg/kg. Irritation skin, Draize mouse: 118 ug mild. Investigated as a tumorigen and mutagen. IARC 3.

--------\Cancer Lists\--

Ingredient	---NTP Carcinogen--- Known	Anticipated	IARC Categ
Anthracene (120-12-7)	No	No	3

---

12. Ecological Information

Anthracene (120-12-7)	No	No	Yes	No

---------\Federal, State & International Regulations - Part 2\---------

Ingredient	CERCLA	-RCRA- 261.33	-TSCA- 8(d)
Anthracene (120-12-7)	5000	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes Chronic: Yes Fire: No Pressure: No
Reactivity: No (Pure / Solid)

Australian Hazchem Code: None allocated.
Poison Schedule: None allocated.
WHMIS:
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

16. Other Information

NFPA Ratings: Health: **1** Flammability: **1** Reactivity: **0**
Label Hazard Warning:
WARNING! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT. MAY CAUSE ALLERGIC SKIN REACTION.
Label Precautions:
Keep container closed.
Use with adequate ventilation.
Avoid breathing dust.
Wash thoroughly after handling.
Avoid contact with eyes, skin and clothing.
Label First Aid:
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician. In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes. Call a physician if irritation develops or persists.
Product Use:
Laboratory Reagent.
Revision Information:
No Changes.
Disclaimer:
****

Safety (MSDS) data for zinc

Click here for data on zinc in student-friendly format, from the HSci project

---

General

Synonyms: zinc dust, zinc powder, blue powder, granular zinc, zinc foil, LS 2, LS 6, merrillite, zinc metal
Molecular formula: Zn
CAS No: 7440-66-6
EINECS No: 231-175-3
EC number: 030-001-00-1

Physical data

Appearance: silver or blueish-white foil or powder
Melting point: 420 C
Boiling point: 908 C
Vapour density:
Vapour pressure:
Density (g cm^{-3}): 7.14
Flash point:
Explosion limits:
Autoignition temperature:
Water solubility:

Stability

Stable. Incompatible with amines, cadmium, sulfur, chlorinated solvents, strong acids, strong bases. Air and moisture sensitive. **Powder or dust is very flammable.**

Abbreviations used in Toxicity data

The table below gives the main abbreviations which will be found in the toxicity data for chemicals listed on these (and many other) web pages.

asn	Aspergillus nidulans
ast	Ascites tumor
bcs	Bacillus subtilis
bfa	body fluid assay
bmr	bone marrow
brd	bird (domestic or lab)
bwd	wild bird species
chd	child
ckn	chicken
CL	ceiling concentration
clr	Chlamydomonas reinhardi
ctl	cattle
cyt	cytogenetic analysis
D	day
dck	duck
dlt	cominant lethal test
dmg	Drosophila melanogaster
dnd	DNA damage
dni	DNA inhibition
dnr	nNA repair
dns	unscheduled DNA synthesis
dom	domestic animal (goat, sheep)
dpo	Drcsophila pseudo-obscura
emb	embryo
esc	Escherichia cold
eug	Euglena gracilis

itt	intratesticular
iu	international unit
iut	intrauterine
ivg	intravaginal
ivn	intravenous
kdy	kidney
kg	kilogram
klp	Klebsiella pneumoniae
L	liter
LC50	lethal concentration 50 percent kill
LCLo	lowest published lethal concentration
LD50	lethal dose 50 percent kill
LDlo	lowest published lethal dose
leu	leukocyte
Liq	liquid
lng	lung
lvr	liver
lym	lymphocyte
M	minute
m3	cubic meter
mam	mammal (species unspecified)
man	man
ug	microgram
umol	micromole
mg	milligram
mky	monkey
mL	milliliter
MLD	mild irritation effects
mma	microsomal mutagenicity assay
mmo	mutation in microorganisms
mmol	millimole
mmr	mammary gland
mnt	micronucleus test
MOD	moderate irritation effects

ppt	parts per trillion (v/v)
preg	pregnant
qal	quail
rat	rat
rbt	rabbit
rec	rectal
rns	rinsed with water
S	second
sal	salmon
sat	Salmonella typhimurium
sce	sister chromatic exchange
scu	subcutaneous
SEV	severe irritation effects
skn	administration onto skin
sln	sex chromosome loss and nondisjunction
slt	specific locus test
slw	silkworm
smc	Saccharomyces cerevisiae
spm	sperm morphology
spr	sperm
sql	squirrel
srm	Serratia marcescens
ssp	Schizosaccharomyces pombe
STEL	short term exposure limit
TC	toxic concentration (other than lowest concentration)
TCLo	lowest published toxic concentration
TD	toxic dose (other than lowest toxic dose)
TDLo	lowest published toxic dose
tes	testis
TLV	Threshold Limit Value
tod	toad
trk	turkey
trn	heritable translocation test
TWA	time weighted average

Risk Phrases

Chemical data sheets available in many countries now contain codes for certain "risk phrases", shown as R23, R45 etc. These risk phrase codes have the following meanings:

- R1 Explosive when dry.
- R2 Risk of explosion by shock, friction, fire or other source of ignition.
- R3 Extreme risk of explosion by shock, friction, fire or other sources of ignition.
- R4 Forms very sensitive explosive metallic compounds.
- R5 Heating may cause an explosion.
- R6 Explosive with or without contact with air.
- R7 May cause fire.
- R8 Contact with combustible material may cause fire.
- R9 Explosive when mixed with combustible material.
- R10 Flammable.
- R11 Highly flammable.
- R12 Extremely flammable.
- R13 Extremely flammable liquefied gas
- R14 Reacts violently with water.
- R15 Contact with water liberates extremely flammable gases.
- R16 Explosive when mixed with oxidizing substances.
- R17 Spontaneously flammable in air.
- R18 In use, may form inflammable/explosive vapour-air mixture.
- R19 May form explosive peroxides.
- R20 Harmful by inhalation.
- R21 Harmful in contact with skin.
- R22 Harmful if swallowed.
- R23 Toxic by inhalation.
- R24 Toxic in contact with skin.
- R25 Toxic if swallowed.

- R61 May cause harm to the unborn child.
- R62 Risk of impaired fertility.
- R63 Possible risk of harm to the unborn child.
- R64 May cause harm to breastfed babies.
- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.
- R68 Possible risk of irreversible effects.

It is current safety policy at Oxford University that a written COSHH assessment **must** be provided when a substance to be used has been assigned any of the risk phrases R42, R43, R45, R46, R48, R49, R60 or R61. Other hazards may also dictate the preparation of a suitable COSHH assessment.

[Return to Physical & Theoretical Chemistry Lab. Safety home page.]

- Class 8 Corrosive substances
- Class 9 Miscellaneous dangerous substances

See also Packing Group.
For further details on the transport of dangerous goods, see the OECD Directorate web site.

Return to the Safety Glossary.
Return to the Safety home page of the Physical and Theoretical Chemistry Laboratory, Oxford University.

- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S27 Take off immediately all contaminated clothing.
- S28 After contact with skin, wash immediately with plenty of soap-suds.
- S29 Do not empty into drains.
- S30 Never add water to this product.
- S33 Take precautionary measures against static discharges.
- S35 This material and its container must be disposed of in a safe way.
- S36 Wear suitable protective clothing.
- S37 Wear suitable gloves.
- S38 In case of insufficient ventilation, wear suitable respiratory equipment.
- S39 Wear eye / face protection.
- S40 To clean the floor and all objects contaminated by this material, use .... (there follows suitable cleaning material).
- S41 In case of fire and / or explosion do not breathe fumes.
- S42 During fumigation / spraying wear suitable respiratory equipment.
- S43 In case of fire use ... (there follows the type of fire-fighting equipment to be used.)
- S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible.)
- S46 If swallowed, seek medical advice immediately and show this container or label.
- S47 Keep at temperature not exceeding...
- S48 To be kept wet with (there follows a material name).
- S49 Keep only in the original container.
- S50 Do not mix with ...
- S51 Use only in well ventilated areas.
- S52 Not recommended for interior use on large surface areas

MSDS *Material Safety Data Sheet*

From: Mallinckrodt Baker, Inc.
222 Red School Lane
Phillipsburg, NJ 08865

Mallinckrodt CHEMICALS

J.T.Baker

24 Hour Emergency Telephone: 908-859-2151
CHEMTREC: 1-800-424-9300

National Response in Canada
CANUTEC: 613-996-6666

Outside U.S. and Canada
Chemtrec: 703-527-3887

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.

All non-emergency questions should be directed to Customer Service (1-800-582-2537) for assistance.

COPPER METAL

MSDS Number: C5170 — *Effective Date: 05/17/01*

1. Product Identification

Synonyms: C.I. 77400; Arwood Copper
CAS No.: 7440-50-8
Molecular Weight: 63.546
Chemical Formula: Cu
Product Codes:
J.T. Baker: 1714, 1720, 1732, 1736
Mallinckrodt: 1733, 4649

2. Composition/Information on Ingredients

Ingredient	CAS No	Percent	Hazardous
Copper	7440-50-8	90 - 100%	Yes

3. Hazards Identification

Emergency Overview

WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT. AFFECTS THE LIVER AND KIDNEYS. CHRONIC EXPOSURE MAY CAUSE TISSUE DAMAGE.

Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

5. Fire Fighting Measures

Fire:
Not considered to be a fire hazard since the bulk solid does not burn, but very finely divided particles (ultra-fine powder) may burn in air.
Explosion:
Not considered to be an explosion hazard. Reactions with incompatibles may pose an explosion hazard. Liquid copper explodes on contact with water. High concentrations of finely divided copper particles in the air may present an explosion hazard.
Fire Extinguishing Media:
Use any means suitable for extinguishing surrounding fire.
Special Information:
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. US Regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

7. Handling and Storage

Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Avoid exposure to air and moisture. Isolate from incompatible substances. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product.

8. Exposure Controls/Personal Protection

Airborne Exposure Limits:
Copper Dust and Mists, as Cu:
- OSHA Permissible Exposure Limit (PEL) -
1 mg/m3 (TWA)
- ACGIH Threshold Limit Value (TLV) -

10. Stability and Reactivity

Stability:
Stable under ordinary conditions of use and storage. Copper becomes dull when exposed to air; on exposure to moist air it gradually converts to the carbonate. On long standing, a white, highly explosive peroxide deposit may form.
Hazardous Decomposition Products:
No information found.
Hazardous Polymerization:
Will not occur.
Incompatibilities:
Copper is incompatible with oxidizers, alkalis, acetylene, chlorine plus oxygen difluoride, phosphorus, nitric acid, potassium peroxide, 1-bromo-2-propyne, sulfur plus chlorates. Reacts violently with ammonium nitrate, bromates, iodates, chlorates, ethylene oxide, hydrozoic acid, potassium oxide, dimethyl sulfoxide plus trichloroacetic acid, hydrogen peroxide, sodium peroxide, sodium azide, sulfuric acid, hydrogen sulfide plus air, and lead azide. A potentially explosive reaction occurs with actylenic compounds. Copper ignites on contact with chlorine, fluorine (above 121C), chlorine trifluoride, and hydrazinum nitrate (above 70C). An incandescent reaction occurs with potassium dioxide.
Conditions to Avoid:
Incompatibles and prolonged exposure to air and moisture.

11. Toxicological Information

No LD50/LC50 information found relating to normal routes of occupational exposure. Investigated as a tumorigen and a reproductive effector.

--------\Cancer Lists\--

Ingredient	---NTP Carcinogen--- Known	Anticipated	IARC Category
Copper (7440-50-8)	No	No	None

12. Ecological Information

Environmental Fate:
No information found.
Environmental Toxicity:
No information found.

13. Disposal Considerations

or use of this information to any person or for use in any situation.

Section 1 - Product and Company Identification
CHROMIUM

Product Identification: CHROMIUM
Date of MSDS: 11/01/1993 **Technical Review Date:** 11/10/1995
FSC: 6810 **NIIN:** **LIIN:** 00N066370
Submitter: N EN
Status Code: C
MFN: 01
Article: N
Kit Part: N

Manufacturer's Information

Manufacturer's Name: HIGH-PURITY STANDARDS
Post Office Box: 30188
Manufacturer's Address1:
Manufacturer's Address2: CHARLESTON, SC 29417
Manufacturer's Country: US
General Information Telephone: 803-556-3411
Emergency Telephone: 803-556-3411
Emergency Telephone: 803-556-3411
MSDS Preparer's Name: N/P
Proprietary: N
Reviewed: N
Published: Y
CAGE: 0YZE5
Special Project Code: N

Contractor Information

Contractor's Name: HIGH-PURITY STANDARDS INC
Post Office Box: 30180
Contractor's Address1: 2040 SAVAGE RD
Contractor's Address2: CHARLESTON, SC 29417
Contractor's Telephone: 803-556-3411
Contractor's CAGE: 0YZE5

Section 2 - Compositon/Information on Ingredients
CHROMIUM

METALS, HYDROXIDES, CARBONATES, CYANIDES.
Hazardous Decomposition Products:
NO, NO*2.
Hazardous Polymerization Indicator: NO
Conditions to Avoid Polymerization:
NOT RELEVANT

Section 11 - Toxicological Information
CHROMIUM

Toxicological Information:
N/P

Section 12 - Ecological Information
CHROMIUM

Ecological Information:
N/P

Section 13 - Disposal Considerations
CHROMIUM

Waste Disposal Methods:
FOLLOW FEDERAL, STATE AND LOCAL REGULATIONS FOR ACID WASTE.

Section 14 - MSDS Transport Information
CHROMIUM

Transport Information:
N/P

Section 15 - Regulatory Information
CHROMIUM

SARA Title III Information:
N/P
Federal Regulatory Information:
N/P
State Regulatory Information:
N/P

Section 16 - Other Information
CHROMIUM

Other Information:
N/P

HAZCOM Label Information

Product Identification: CHROMIUM
CAGE: 0YZE5
Assigned Individual: N
Company Name: HIGH-PURITY STANDARDS INC
Company PO Box: 30180
Company Street Address1: 2040 SAVAGE RD
Company Street Address2: CHARLESTON, SC 29417 US
Health Emergency Telephone: 803-556-3411
Label Required Indicator: Y
Date Label Reviewed: 11/10/1995
Status Code: C
Manufacturer's Label Number:
Date of Label: 11/10/1995
Year Procured: N/K
Organization Code: G
Chronic Hazard Indicator: N
Eye Protection Indicator: YES
Skin Protection Indicator: YES
Respiratory Protection Indicator: YES
Signal Word: CAUTION
Health Hazard: Slight
Contact Hazard: Slight
Fire Hazard: None
Reactivity Hazard: None

Appendix C

Soil Boring Geologic Logs

EEA, INC.

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING REPORT LOG

DATE February 1,2012						SHEET 1 OF 1
CLIENT Woodrow Plaza LLC						LOCATION ID#
PROJECT LOCATION 1243-1275 Woodrow Road, Staten Island, NY						**B - 1**
REMARKS						PROJECT #10719
DRILLING CONTRACTOR TSDT, INC.			LOGGED BY JBS		DRILLER PR	
EQUIPMENT	SOIL SAMPLER	HAMMER WEIGHT/FALL		Groundwater Collection		DRILL RIG
		Direct				DRILL METHOD
TYPE	MACROCORE	Push				GEOPROBE LT 54 MACROCORE
SIZE	2 inch O.D.	GH 42				
SURFACE ELEVATION NA		Surface Materials				
WATER LEVEL (IN OPEN BOREHOLE)						

DEPTH	SAMPLE	DEPTH	OVA/PID READINGS	MOISTURE	STRATA	SOIL – ROCK DESCRIPTION – CLASSIFICATION
	0-2			Dry		Brown/Red fine to medium sand
5	5-6			Dry		Red/Brown fine to medium sand
						Red/Brown fine to medium sand. Loose saturated
10	10-12			Saturated		
15						
20						
						* soil sample collected for laboratory analysis
25						
30						

EEA, INC.

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING REPORT LOG

DATE February 1,2012						SHEET 1 OF 1
CLIENT Woodrow Plaza LLC						LOCATION ID#
PROJECT LOCATION 1243-1275 Woodrow Road, Staten Island, NY						**B - 2**
REMARKS						PROJECT #10719
DRILLING CONTRACTOR TSDT, INC.			LOGGED BY JBS		DRILLER PR	
EQUIPMENT	SOIL SAMPLER	HAMMER WEIGHT/FALL		Groundwater Collection		DRILL RIG
		Direct				DRILL METHOD
TYPE	MACROCORE	Push				GEOPROBE LT 54 MACROCORE
SIZE	2 inch O.D.	GH 42				
SURFACE ELEVATION NA		Surface Materials				
WATER LEVEL (IN OPEN BOREHOLE)						

DEPTH	SAMPLE	DEPTH	OVA/PID READINGS	MOISTURE	STRATA	SOIL – ROCK DESCRIPTION – CLASSIFICATION
0	0-2’	S-1	0.0	Dry		Fill – coarse to fine - brown
	3-4’	S-2	0.0	Moist		Red—brown – coarse to fin sand trace silt
5						
	6-8’	S-3	0.0	Moist		Brown – coarse to fine sand - dry
10						
15						
20						
						* soil sample collected for laboratory analysis
25						
30						

EEA, INC.

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING REPORT LOG

DATE February 1,2012					SHEET 1 OF 1
CLIENT Woodrow Plaza LLC					LOCATION ID#
PROJECT LOCATION 1243-1275 Woodrow Road, Staten Island, NY					**B - 3**
REMARKS					PROJECT #10719
DRILLING CONTRACTOR TSDT, INC.			LOGGED BY JBS	DRILLER PR	
EQUIPMENT	SOIL SAMPLER	HAMMER WEIGHT/FALL		Groundwater Collection	DRILL RIG
		Direct			DRILL METHOD
TYPE	MACROCORE	Push			GEOPROBE LT 54 MACROCORE
SIZE	2 inch O.D.	GH 42			
SURFACE ELEVATION NA		Surface Materials			
WATER LEVEL (IN OPEN BOREHOLE)					

DEPTH	SAMPLE	DEPTH	OVA/PID READINGS	MOISTURE	STRATA	SOIL – ROCK DESCRIPTION – CLASSIFICATION
0-4'	S-1	0-2'	0.0	Dry		Fill – red brick, coarse to fine sand 0-1.5' 1. sand
5	S-2	4-5'	0.0	M-W		Red-brown, coarse to fine sand
10	S-3	8-10'	0.0	M-W		Red-brown, coarse to fine sand
15						
20						* soil sample collected for laboratory analysis
25						
30						

EEA, INC.

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING REPORT LOG

DATE February 1,2012					SHEET 1 OF 1
CLIENT Woodrow Plaza LLC					LOCATION ID#
PROJECT LOCATION 1243-1275 Woodrow Road, Staten Island, NY					**B - 4**
REMARKS					PROJECT #10719
DRILLING CONTRACTOR TSDT, INC.			LOGGED BY JBS		DRILLER PR
EQUIPMENT	SOIL SAMPLER	HAMMER WEIGHT/FALL		Groundwater Collection	DRILL RIG
		Direct			DRILL METHOD
TYPE	MACROCORE	Push			GEOPROBE LT 54 MACROCORE
SIZE	2 inch O.D.	GH 42			
SURFACE ELEVATION NA		Surface Materials			
WATER LEVEL (IN OPEN BOREHOLE)					

DEPTH	SAMPLE	DEPTH	OVA/PID READINGS	MOISTURE	STRATA	SOIL – ROCK DESCRIPTION – CLASSIFICATION
0-2	S-1					0-6'Sand – fill, red-brown, coarse to fine
5-6'	S-2					Red-brown, coarse to fine sand - moist
						Brown, coarse to fine sand
10-12'				Moist		
15						
20						
						* soil sample collected for laboratory analysis
25						
30						

EEA, INC.

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING REPORT LOG

DATE February 1,2012						SHEET 1 OF 1
CLIENT Woodrow Plaza LLC						LOCATION ID#
PROJECT LOCATION 1243-1275 Woodrow Road, Staten Island, NY						**B - 5**
REMARKS						PROJECT #10719
DRILLING CONTRACTOR TSDT, INC.			LOGGED BY NJR		DRILLER PR	
EQUIPMENT	SOIL SAMPLER	HAMMER WEIGHT/FALL		Groundwater Collection		DRILL RIG
		Direct		None		DRILL METHOD
TYPE	MACROCORE	Push				GEOPROBE LT 54 MACROCORE
SIZE	2 inch O.D.	GH 42				
SURFACE ELEVATION NA		Surface Materials Grass/trees/shrubs				
WATER LEVEL (IN OPEN BOREHOLE)						

DEPTH	SAMPLE	DEPTH	OVA/PID READINGS	MOISTURE	STRATA	SOIL – ROCK DESCRIPTION – CLASSIFICATION
0-4'	S-1	0-2'	0.0	Dry		Brown/red, fine to coarse sand, silt some stone/brick (fill) (dry)
5	S--2	5.5-6.5	0.0	Moist		Brown/red, fine to medium sand/silt some silty clay
10						
	S-3	11-13'	0.0	Moist/wet		Brown/red/grey, fine to medium sand/silt some clay (dense)
						EOB @ 15ft
15						
20						
						* soil sample collected for laboratory analysis
25						
30						

EEA, INC.

55 HILTON AVENUE, GARDEN CITY, NEW YORK

SOIL BORING REPORT LOG

DATE February 1,2012							SHEET 1 OF 1
CLIENT Woodrow Plaza LLC							LOCATION ID#
PROJECT LOCATION 1243-1275 Woodrow Road, Staten Island, NY							**B - 6**
REMARKS							PROJECT #10719
DRILLING CONTRACTOR	TSDT, INC.		LOGGED BY	NJR	DRILLER	PR	
EQUIPMENT	SOIL SAMPLER	HAMMER WEIGHT/FALL		Groundwater Collection			DRILL RIG
		Direct					DRILL METHOD
TYPE	MACROCORE	Push					GEOPROBE LT 54 MACROCORE
SIZE	2 inch O.D.	GH 42					
SURFACE ELEVATION NA		Surface Materials					
WATER LEVEL (IN OPEN BOREHOLE)		None encountered					

DEPTH	SAMPLE	DEPTH	OVA/PID READINGS	MOISTURE	STRATA	SOIL – ROCK DESCRIPTION – CLASSIFICATION
0-2'	S-1	0-2	0	Dry		Brown/red/gray, fine to medium sand, silt loose (fill)
5						Red/brown/tan, fine to medium sand/silt some clay (STIFF)
6-7'	S-2	6-7	0	Dry		
10						
12-14'	S-3	12/14	0	Dry		Red/brown/tank, fine to medium sand/silt little clay/stones/gravel EOB @ 14ft
15						
20						
						* soil sample collected for laboratory analysis
25						
30						

Appendix D

Well Sampling Logs

Appendix E

Laboratory Data Deliverable for Soil Analytical Data

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.01 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/Kg	< 6.0		020612	5.9523	EPA8260
Chloromethane	ug/Kg	< 6.0		020612	5.9523	EPA8260
Vinyl Chloride	ug/Kg	< 6.0		020612	5.9523	EPA8260
Bromomethane	ug/Kg	< 6.0		020612	5.9523	EPA8260
Chloroethane	ug/Kg	< 6.0		020612	5.9523	EPA8260
Trichlorofluoromethane	ug/Kg	< 6.0		020612	5.9523	EPA8260
1,1 Dichloroethene	ug/Kg	< 6.0		020612	5.9523	EPA8260
Methylene Chloride	ug/Kg	< 6.0		020612	5.9523	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 6.0		020612	5.9523	EPA8260
1,1 Dichloroethane	ug/Kg	< 6.0		020612	5.9523	EPA8260
2,2-Dichloropropane	ug/Kg	< 6.0		020612	5.9523	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 6.0		020612	5.9523	EPA8260
Bromochloromethane	ug/Kg	< 6.0		020612	5.9523	EPA8260
Chloroform	ug/Kg	< 6.0		020612	5.9523	EPA8260
111 Trichloroethane	ug/Kg	< 6.0		020612	5.9523	EPA8260
Carbon Tetrachloride	ug/Kg	< 6.0		020612	5.9523	EPA8260
1,1-Dichloropropene	ug/Kg	< 6.0		020612	5.9523	EPA8260
Benzene	ug/Kg	< 6.0		020612	5.9523	EPA8260
1,2 Dichloroethane	ug/Kg	< 6.0		020612	5.9523	EPA8260
Trichloroethene	ug/Kg	< 6.0		020612	5.9523	EPA8260
1,2 Dichloropropane	ug/Kg	< 6.0		020612	5.9523	EPA8260
Dibromomethane	ug/Kg	< 6.0		020612	5.9523	EPA8260
Bromodichloromethane	ug/Kg	< 6.0		020612	5.9523	EPA8260
c-1,3Dichloropropene	ug/Kg	< 6.0		020612	5.9523	EPA8260
Toluene	ug/Kg	< 6.0		020612	5.9523	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

rn = 1747 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.01 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 6.0		020612	5.9523	EPA8260
112 Trichloroethane	ug/Kg	< 6.0		020612	5.9523	EPA8260
Tetrachloroethene	ug/Kg	< 6.0		020612	5.9523	EPA8260
1,3-Dichloropropane	ug/Kg	< 6.0		020612	5.9523	EPA8260
Chlorodibromomethane	ug/Kg	< 6.0		020612	5.9523	EPA8260
1,2 Dibromoethane	ug/Kg	< 6.0		020612	5.9523	EPA8260
Chlorobenzene	ug/Kg	< 6.0		020612	5.9523	EPA8260
Ethyl Benzene	ug/Kg	< 6.0		020612	5.9523	EPA8260
1112Tetrachloroethane	ug/Kg	< 6.0		020612	5.9523	EPA8260
m + p Xylene	ug/Kg	< 12		020612	11.904	EPA8260
o Xylene	ug/Kg	< 6.0		020612	5.9523	EPA8260
Styrene	ug/Kg	< 6.0		020612	5.9523	EPA8260
Bromoform	ug/Kg	< 6.0		020612	5.9523	EPA8260
Isopropylbenzene	ug/Kg	< 6.0		020612	5.9523	EPA8260
Bromobenzene	ug/Kg	< 6.0		020612	5.9523	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.0		020612	5.9523	EPA8260
123-Trichloropropane	ug/Kg	< 6.0		020612	5.9523	EPA8260
n-Propylbenzene	ug/Kg	< 6.0		020612	5.9523	EPA8260
2-Chlorotoluene	ug/Kg	< 6.0		020612	5.9523	EPA8260
135-Trimethylbenzene	ug/Kg	< 6.0		020612	5.9523	EPA8260
4-Chlorotoluene	ug/Kg	< 6.0		020612	5.9523	EPA8260
tert-Butylbenzene	ug/Kg	< 6.0		020612	5.9523	EPA8260
124-Trimethylbenzene	ug/Kg	< 6.0		020612	5.9523	EPA8260
sec-Butylbenzene	ug/Kg	< 6.0		020612	5.9523	EPA8260
p-Isopropyltoluene	ug/Kg	< 6.0		020612	5.9523	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.01 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 6.0		020612	5.9523	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 6.0		020612	5.9523	EPA8260
n-Butylbenzene	ug/Kg	< 6.0		020612	5.9523	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 6.0		020612	5.9523	EPA8260
Dibromochloropropane	ug/Kg	< 6.0		020612	5.9523	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 6.0		020612	5.9523	EPA8260
Hexachlorobutadiene	ug/Kg	< 6.0		020612	5.9523	EPA8260
Naphthalene(v)	ug/Kg	< 6.0		020612	5.9523	EPA8260
123-Trichlorobenzene	ug/Kg	< 6.0		020612	5.9523	EPA8260
ter.ButylMethylEther	ug/Kg	< 6.0		020612	5.9523	EPA8260
p-Ethyltoluene	ug/Kg	< 6.0		020612	5.9523	EPA8260
Freon 113	ug/Kg	< 6.0		020612	5.9523	EPA8260
1245 Tetramethylbenz	ug/Kg	< 6.0		020612	5.9523	EPA8260
Acetone	ug/Kg	< 60		020612	59.523	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 60		020612	59.523	EPA8260
Methylisobutylketone	ug/Kg	< 60		020612	59.523	EPA8260
Chlorodifluoromethane	ug/Kg	< 6.0		020612	5.9523	EPA8260
p Diethylbenzene	ug/Kg	< 6.0		020612	5.9523	EPA8260
% Solids		84		020312	0.1	182540G

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR [signature]

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.01 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 36		021012	35.714	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 36		021012	35.714	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 36		021012	35.714	EPA8270
Carbazole	ug/Kg	< 36		021012	35.714	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 36		021012	35.714	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 36		021012	35.714	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 36		021012	35.714	EPA8270
Hexachloroethane	ug/Kg	< 36		021012	35.714	EPA8270
Nitrobenzene	ug/Kg	< 36		021012	35.714	EPA8270
Isophorone	ug/Kg	< 36		021012	35.714	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 36		021012	35.714	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 36		021012	35.714	EPA8270
Naphthalene(sv)	ug/Kg	< 36		021012	35.714	EPA8270
4-Chloroaniline	ug/Kg	< 36		021012	35.714	EPA8270
Hexachlorobutadiene	ug/Kg	< 36		021012	35.714	EPA8270
2-Methylnaphthalene	ug/Kg	< 36		021012	35.714	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 360		021012	357.14	EPA8270
2-Chloronaphthalene	ug/Kg	< 36		021012	35.714	EPA8270
2-Nitroaniline	ug/Kg	< 36		021012	35.714	EPA8270
Dimethyl Phthalate	ug/Kg	< 36		021012	35.714	EPA8270
Acenaphthylene	ug/Kg	< 36		021012	35.714	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 36		021012	35.714	EPA8270
3-Nitroaniline	ug/Kg	< 36		021012	35.714	EPA8270
Acenaphthene	ug/Kg	< 36		021012	35.714	EPA8270
Dibenzofuran	ug/Kg	< 36		021012	35.714	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.01 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 36		021012	35.714	EPA8270
Diethyl Phthalate	ug/Kg	< 36		021012	35.714	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 36		021012	35.714	EPA8270
Fluorene	ug/Kg	< 36		021012	35.714	EPA8270
4-Nitroaniline	ug/Kg	< 36		021012	35.714	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 36		021012	35.714	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 36		021012	35.714	EPA8270
Hexachlorobenzene	ug/Kg	< 36		021012	35.714	EPA8270
Phenanthrene	ug/Kg	370		021012	35.714	EPA8270
Anthracene	ug/Kg	64		021012	35.714	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 36		021012	35.714	EPA8270
Fluoranthene	ug/Kg	640		021012	35.714	EPA8270
Pyrene	ug/Kg	490		021012	35.714	EPA8270
BenzylButylPhthalate	ug/Kg	< 36		021012	35.714	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 360		021012	357.14	EPA8270
Benzo(a)anthracene	ug/Kg	260		021012	35.714	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.01 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	300		021012	35.714	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	270		021012	35.714	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 36		021012	35.714	EPA8270
Benzo(b)fluoranthene	ug/Kg	240	J	021012	35.714	EPA8270
Benzo(k)fluoranthene	ug/Kg	200	J	021012	35.714	EPA8270
Benzo(a)pyrene	ug/Kg	210		021012	35.714	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	110		021012	35.714	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	54		021012	35.714	EPA8270
Benzo(ghi)perylene	ug/Kg	100		021012	35.714	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: J-Estimated due to unobtainable method requirement of a 50% split between peaks with the same isomers.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.01 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 36		021012	35.714	EPA8270
2-Chlorophenol	ug/Kg	< 36		021012	35.714	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 36		021012	35.714	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 36		021012	35.714	EPA8270
2-Nitrophenol	ug/Kg	< 36		021012	35.714	EPA8270
2,4-Dimethylphenol	ug/Kg	< 36		021012	35.714	EPA8270
2,4-Dichlorophenol	ug/Kg	< 36		021012	35.714	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 36		021012	35.714	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 36		021012	35.714	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 36		021012	35.714	EPA8270
2,4-Dinitrophenol	ug/Kg	< 360		021012	357.14	EPA8270
4-Nitrophenol	ug/Kg	< 360		021012	357.14	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 360		021012	357.14	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 360		021012	357.14	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR *[signature]*

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.01 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	9900		020712	1.1904	EPA6010B
Antimony as Sb	mg/Kg	< 1.2		020712	1.1904	EPA6010B
Arsenic as As	mg/Kg	4.9		020712	1.1904	EPA6010B
Barium as Ba	mg/Kg	55		020712	0.5952	EPA6010B
Beryllium as Be	mg/Kg	0.54		020712	0.1190	EPA6010B
Cadmium as Cd	mg/Kg	0.82		020712	0.5952	EPA6010B
Calcium as Ca	mg/Kg	1500		020712	23.809	EPA6010B
Chromium as Cr	mg/Kg	17		020712	0.5952	EPA6010B
Cobalt as Co	mg/Kg	6.7		020712	0.5952	EPA6010B
Copper as Cu	mg/Kg	23		020712	1.1904	EPA6010B
Iron as Fe	mg/Kg	17000		020712	1.1904	EPA6010B
Lead as Pb	mg/Kg	20		020712	0.5952	EPA6010B
Magnesium as Mg	mg/Kg	2600		020712	0.5952	EPA6010B
Manganese as Mn	mg/Kg	250		020712	1.1904	EPA6010B
Mercury as Hg	mg/Kg	0.039		020812	0.0047	EPA7471A
Nickel as Ni	mg/Kg	15		020712	1.1904	EPA6010B
Potassium as K	mg/Kg	1100		020812	595.23	EPA6010B
Selenium as Se	mg/Kg	4.5		020712	1.1904	EPA6010B
Silver as Ag	mg/Kg	< 0.60		020712	0.5952	EPA6010B
Sodium as Na	mg/Kg	150		020712	119.04	EPA6010B
Thallium as Tl	mg/Kg	< 1.2		020712	1.1904	EPA6010B
Vanadium as V	mg/Kg	24		020712	0.5952	EPA6010B
Zinc as Zn	mg/Kg	63		020712	1.1904	EPA6010B

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.01 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.4		020812	2.3809	EPA8081
Heptachlor	ug/Kg	< 2.4		020812	2.3809	EPA8081
Aldrin	ug/Kg	< 2.4		020812	2.3809	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.4		020812	2.3809	EPA8081
p,p-DDE	ug/Kg	< 2.4		020812	2.3809	EPA8081
Dieldrin	ug/Kg	< 2.4		020812	2.3809	EPA8081
Endrin	ug/Kg	< 2.4	*	020812	2.3809	EPA8081
p,p-DDD	ug/Kg	< 2.4		020812	2.3809	EPA8081
p,p-DDT	ug/Kg	< 4.8	*	020812	4.7619	EPA8081
Chlordane	ug/Kg	< 9.5		020812	9.5238	EPA8081
Toxaphene	ug/Kg	< 48		020812	47.619	EPA8081
Endrin Aldehyde	ug/Kg	< 14		020812	14.285	EPA8081
a BHC	ug/Kg	< 2.4		020812	2.3809	EPA8081
b BHC	ug/Kg	< 2.4		020812	2.3809	EPA8081
d BHC	ug/Kg	< 2.4		020812	2.3809	EPA8081
Endosulfan 1	ug/Kg	< 4.8		020812	4.7619	EPA8081
Endosulfan 2	ug/Kg	< 4.8		020812	4.7619	EPA8081
Endosulfan Sulfate	ug/Kg	< 14		020812	14.285	EPA8081

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Endrin breakdown (17%) exceeded 15% QC limit.
ppDDT breakdown (25%) exceeded 15% QC limit.

Thomas Powell
DIRECTOR T.W. Powell

rn = 1755 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.01 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/Kg	< 48		020812	47.619	EPA8082
Aroclor 1221	ug/Kg	< 48		020812	47.619	EPA8082
Aroclor 1232	ug/Kg	< 48		020812	47.619	EPA8082
Aroclor 1242	ug/Kg	< 48		020812	47.619	EPA8082
Aroclor 1248	ug/Kg	< 48		020812	47.619	EPA8082
Aroclor 1254	ug/Kg	< 48		020812	47.619	EPA8082
Aroclor 1260	ug/Kg	< 48		020812	47.619	EPA8082

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

rn = 1756 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.02 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Chloromethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Vinyl Chloride	ug/Kg	< 6.0		020612	6.0240	EPA8260
Bromomethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Chloroethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Trichlorofluoromethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
1,1 Dichloroethene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Methylene Chloride	ug/Kg	< 6.0		020612	6.0240	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 6.0		020612	6.0240	EPA8260
1,1 Dichloroethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
2,2-Dichloropropane	ug/Kg	< 6.0		020612	6.0240	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Bromochloromethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Chloroform	ug/Kg	< 6.0		020612	6.0240	EPA8260
111 Trichloroethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Carbon Tetrachloride	ug/Kg	< 6.0		020612	6.0240	EPA8260
1,1-Dichloropropene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Benzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
1,2 Dichloroethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Trichloroethene	ug/Kg	< 6.0		020612	6.0240	EPA8260
1,2 Dichloropropane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Dibromomethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Bromodichloromethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
c-1,3Dichloropropene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Toluene	ug/Kg	< 6.0		020612	6.0240	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR ______________

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.02 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 6.0		020612	6.0240	EPA8260
112 Trichloroethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Tetrachloroethene	ug/Kg	< 6.0		020612	6.0240	EPA8260
1,3-Dichloropropane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Chlorodibromomethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
1,2 Dibromoethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Chlorobenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Ethyl Benzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
1112Tetrachloroethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
m + p Xylene	ug/Kg	< 12		020612	12.048	EPA8260
o Xylene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Styrene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Bromoform	ug/Kg	< 6.0		020612	6.0240	EPA8260
Isopropylbenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Bromobenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
123-Trichloropropane	ug/Kg	< 6.0		020612	6.0240	EPA8260
n-Propylbenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
2-Chlorotoluene	ug/Kg	< 6.0		020612	6.0240	EPA8260
135-Trimethylbenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
4-Chlorotoluene	ug/Kg	< 6.0		020612	6.0240	EPA8260
tert-Butylbenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
124-Trimethylbenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
sec-Butylbenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
p-Isopropyltoluene	ug/Kg	< 6.0		020612	6.0240	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR _T.W. Powell_

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.02 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 6.0		020612	6.0240	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 6.0		020612	6.0240	EPA8260
n-Butylbenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 6.0		020612	6.0240	EPA8260
Dibromochloropropane	ug/Kg	< 6.0		020612	6.0240	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 6.0		020612	6.0240	EPA8260
Hexachlorobutadiene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Naphthalene(v)	ug/Kg	< 6.0		020612	6.0240	EPA8260
123-Trichlorobenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
ter.ButylMethylEther	ug/Kg	< 6.0		020612	6.0240	EPA8260
p-Ethyltoluene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Freon 113	ug/Kg	< 6.0		020612	6.0240	EPA8260
1245 Tetramethylbenz	ug/Kg	< 6.0		020612	6.0240	EPA8260
Acetone	ug/Kg	< 60		020612	60.240	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 60		020612	60.240	EPA8260
Methylisobutylketone	ug/Kg	< 60		020612	60.240	EPA8260
Chlorodifluoromethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
p Diethylbenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
% Solids		83		020312	0.1	182540G

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.02 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 36		021012	36.144	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 36		021012	36.144	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 36		021012	36.144	EPA8270
Carbazole	ug/Kg	< 36		021012	36.144	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 36		021012	36.144	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 36		021012	36.144	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 36		021012	36.144	EPA8270
Hexachloroethane	ug/Kg	< 36		021012	36.144	EPA8270
Nitrobenzene	ug/Kg	< 36		021012	36.144	EPA8270
Isophorone	ug/Kg	< 36		021012	36.144	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 36		021012	36.144	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 36		021012	36.144	EPA8270
Naphthalene(sv)	ug/Kg	< 36		021012	36.144	EPA8270
4-Chloroaniline	ug/Kg	< 36		021012	36.144	EPA8270
Hexachlorobutadiene	ug/Kg	< 36		021012	36.144	EPA8270
2-Methylnaphthalene	ug/Kg	< 36		021012	36.144	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 360		021012	361.44	EPA8270
2-Chloronaphthalene	ug/Kg	< 36		021012	36.144	EPA8270
2-Nitroaniline	ug/Kg	< 36		021012	36.144	EPA8270
Dimethyl Phthalate	ug/Kg	< 36		021012	36.144	EPA8270
Acenaphthylene	ug/Kg	< 36		021012	36.144	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 36		021012	36.144	EPA8270
3-Nitroaniline	ug/Kg	< 36		021012	36.144	EPA8270
Acenaphthene	ug/Kg	< 36		021012	36.144	EPA8270
Dibenzofuran	ug/Kg	< 36		021012	36.144	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.02 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 36		021012	36.144	EPA8270
Diethyl Phthalate	ug/Kg	< 36		021012	36.144	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 36		021012	36.144	EPA8270
Fluorene	ug/Kg	< 36		021012	36.144	EPA8270
4-Nitroaniline	ug/Kg	< 36		021012	36.144	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 36		021012	36.144	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 36		021012	36.144	EPA8270
Hexachlorobenzene	ug/Kg	< 36		021012	36.144	EPA8270
Phenanthrene	ug/Kg	< 36		021012	36.144	EPA8270
Anthracene	ug/Kg	< 36		021012	36.144	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 36		021012	36.144	EPA8270
Fluoranthene	ug/Kg	< 36		021012	36.144	EPA8270
Pyrene	ug/Kg	< 36		021012	36.144	EPA8270
BenzylButylPhthalate	ug/Kg	< 36		021012	36.144	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 360		021012	361.44	EPA8270
Benzo(a)anthracene	ug/Kg	< 36		021012	36.144	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.02 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 36		021012	36.144	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	41		021012	36.144	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 36		021012	36.144	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 36		021012	36.144	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 36		021012	36.144	EPA8270
Benzo(a)pyrene	ug/Kg	< 36		021012	36.144	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 36		021012	36.144	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 36		021012	36.144	EPA8270
Benzo(ghi)perylene	ug/Kg	< 36		021012	36.144	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.02 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 36		021012	36.144	EPA8270
2-Chlorophenol	ug/Kg	< 36		021012	36.144	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 36		021012	36.144	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 36		021012	36.144	EPA8270
2-Nitrophenol	ug/Kg	< 36		021012	36.144	EPA8270
2,4-Dimethylphenol	ug/Kg	< 36		021012	36.144	EPA8270
2,4-Dichlorophenol	ug/Kg	< 36		021012	36.144	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 36		021012	36.144	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 36		021012	36.144	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 36		021012	36.144	EPA8270
2,4-Dinitrophenol	ug/Kg	< 360		021012	361.44	EPA8270
4-Nitrophenol	ug/Kg	< 360		021012	361.44	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 360		021012	361.44	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 360		021012	361.44	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.02 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	3700		020712	1.2048	EPA6010B
Antimony as Sb	mg/Kg	< 1.2		020712	1.2048	EPA6010B
Arsenic as As	mg/Kg	2.5		020712	1.2048	EPA6010B
Barium as Ba	mg/Kg	49		020712	0.6024	EPA6010B
Beryllium as Be	mg/Kg	0.52		020712	0.1204	EPA6010B
Cadmium as Cd	mg/Kg	< 0.60		020712	0.6024	EPA6010B
Calcium as Ca	mg/Kg	350		020712	24.096	EPA6010B
Chromium as Cr	mg/Kg	9.4		020712	0.6024	EPA6010B
Cobalt as Co	mg/Kg	7.3		020712	0.6024	EPA6010B
Copper as Cu	mg/Kg	12		020712	1.2048	EPA6010B
Iron as Fe	mg/Kg	13000		020712	1.2048	EPA6010B
Lead as Pb	mg/Kg	4.1		020712	0.6024	EPA6010B
Magnesium as Mg	mg/Kg	1800		020712	0.6024	EPA6010B
Manganese as Mn	mg/Kg	270		020712	1.2048	EPA6010B
Mercury as Hg	mg/Kg	0.0066		020812	0.0048	EPA7471A
Nickel as Ni	mg/Kg	10		020712	1.2048	EPA6010B
Potassium as K	mg/Kg	980		020712	120.48	EPA6010B
Selenium as Se	mg/Kg	3.9		020712	1.2048	EPA6010B
Silver as Ag	mg/Kg	< 0.60		020712	0.6024	EPA6010B
Sodium as Na	mg/Kg	< 120		020712	120.48	EPA6010B
Thallium as Tl	mg/Kg	< 1.2		020712	1.2048	EPA6010B
Vanadium as V	mg/Kg	12		020712	0.6024	EPA6010B
Zinc as Zn	mg/Kg	29		020712	1.2048	EPA6010B

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.02 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.4		020812	2.4096	EPA8081
Heptachlor	ug/Kg	< 2.4		020812	2.4096	EPA8081
Aldrin	ug/Kg	< 2.4		020812	2.4096	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.4		020812	2.4096	EPA8081
p,p-DDE	ug/Kg	< 2.4		020812	2.4096	EPA8081
Dieldrin	ug/Kg	< 2.4		020812	2.4096	EPA8081
Endrin	ug/Kg	< 2.4	*	020812	2.4096	EPA8081
p,p-DDD	ug/Kg	< 2.4		020812	2.4096	EPA8081
p,p-DDT	ug/Kg	< 4.8		020812	4.8192	EPA8081
Chlordane	ug/Kg	< 9.6		020812	9.6385	EPA8081
Toxaphene	ug/Kg	< 48		020812	48.192	EPA8081
Endrin Aldehyde	ug/Kg	< 14		020812	14.457	EPA8081
a BHC	ug/Kg	< 2.4		020812	2.4096	EPA8081
b BHC	ug/Kg	< 2.4		020812	2.4096	EPA8081
d BHC	ug/Kg	< 2.4		020812	2.4096	EPA8081
Endosulfan 1	ug/Kg	< 4.8		020812	4.8192	EPA8081
Endosulfan 2	ug/Kg	< 4.8		020812	4.8192	EPA8081
Endosulfan Sulfate	ug/Kg	< 14		020812	14.457	EPA8081

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Endrin breakdown (16%) exceeded 15% QC limit.

Thomas Powell
DIRECTOR [signature]

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.02 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-1 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/Kg	< 48		020812	48.192	EPA8082
Aroclor 1221	ug/Kg	< 48		020812	48.192	EPA8082
Aroclor 1232	ug/Kg	< 48		020812	48.192	EPA8082
Aroclor 1242	ug/Kg	< 48		020812	48.192	EPA8082
Aroclor 1248	ug/Kg	< 48		020812	48.192	EPA8082
Aroclor 1254	ug/Kg	< 48		020812	48.192	EPA8082
Aroclor 1260	ug/Kg	< 48		020812	48.192	EPA8082

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.03 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/Kg	< 6.8		020612	6.8493	EPA8260
Chloromethane	ug/Kg	< 6.8		020612	6.8493	EPA8260
Vinyl Chloride	ug/Kg	< 6.8		020612	6.8493	EPA8260
Bromomethane	ug/Kg	< 6.8		020612	6.8493	EPA8260
Chloroethane	ug/Kg	< 6.8		020612	6.8493	EPA8260
Trichlorofluoromethane	ug/Kg	< 6.8		020612	6.8493	EPA8260
1,1 Dichloroethene	ug/Kg	< 6.8		020612	6.8493	EPA8260
Methylene Chloride	ug/Kg	< 6.8		020612	6.8493	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 6.8		020612	6.8493	EPA8260
1,1 Dichloroethane	ug/Kg	< 6.8		020612	6.8493	EPA8260
2,2-Dichloropropane	ug/Kg	< 6.8		020612	6.8493	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 6.8		020612	6.8493	EPA8260
Bromochloromethane	ug/Kg	< 6.8		020612	6.8493	EPA8260
Chloroform	ug/Kg	< 6.8		020612	6.8493	EPA8260
111 Trichloroethane	ug/Kg	< 6.8		020612	6.8493	EPA8260
Carbon Tetrachloride	ug/Kg	< 6.8		020612	6.8493	EPA8260
1,1-Dichloropropene	ug/Kg	< 6.8		020612	6.8493	EPA8260
Benzene	ug/Kg	< 6.8		020612	6.8493	EPA8260
1,2 Dichloroethane	ug/Kg	< 6.8		020612	6.8493	EPA8260
Trichloroethene	ug/Kg	< 6.8		020612	6.8493	EPA8260
1,2 Dichloropropane	ug/Kg	< 6.8		020612	6.8493	EPA8260
Dibromomethane	ug/Kg	< 6.8		020612	6.8493	EPA8260
Bromodichloromethane	ug/Kg	< 6.8		020612	6.8493	EPA8260
c-1,3Dichloropropene	ug/Kg	< 6.8		020612	6.8493	EPA8260
Toluene	ug/Kg	< 6.8		020612	6.8493	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

... Powell
DIRECTOR ____________

rn = 1767 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.03 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 6.8		020612	6.8493	EPA8260
112 Trichloroethane	ug/Kg	< 6.8		020612	6.8493	EPA8260
Tetrachloroethene	ug/Kg	< 6.8		020612	6.8493	EPA8260
1,3-Dichloropropane	ug/Kg	< 6.8		020612	6.8493	EPA8260
Chlorodibromomethane	ug/Kg	< 6.8		020612	6.8493	EPA8260
1,2 Dibromoethane	ug/Kg	< 6.8		020612	6.8493	EPA8260
Chlorobenzene	ug/Kg	< 6.8		020612	6.8493	EPA8260
Ethyl Benzene	ug/Kg	< 6.8		020612	6.8493	EPA8260
1112Tetrachloroethane	ug/Kg	< 6.8		020612	6.8493	EPA8260
m + p Xylene	ug/Kg	< 14		020612	13.698	EPA8260
o Xylene	ug/Kg	< 6.8		020612	6.8493	EPA8260
Styrene	ug/Kg	< 6.8		020612	6.8493	EPA8260
Bromoform	ug/Kg	< 6.8		020612	6.8493	EPA8260
Isopropylbenzene	ug/Kg	< 6.8		020612	6.8493	EPA8260
Bromobenzene	ug/Kg	< 6.8		020612	6.8493	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.8		020612	6.8493	EPA8260
123-Trichloropropane	ug/Kg	< 6.8		020612	6.8493	EPA8260
n-Propylbenzene	ug/Kg	< 6.8		020612	6.8493	EPA8260
2-Chlorotoluene	ug/Kg	< 6.8		020612	6.8493	EPA8260
135-Trimethylbenzene	ug/Kg	< 6.8		020612	6.8493	EPA8260
4-Chlorotoluene	ug/Kg	< 6.8		020612	6.8493	EPA8260
tert-Butylbenzene	ug/Kg	< 6.8		020612	6.8493	EPA8260
124-Trimethylbenzene	ug/Kg	< 6.8		020612	6.8493	EPA8260
sec-Butylbenzene	ug/Kg	< 6.8		020612	6.8493	EPA8260
p-Isopropyltoluene	ug/Kg	< 6.8		020612	6.8493	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.03 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 6.8		020612	6.8493	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 6.8		020612	6.8493	EPA8260
n-Butylbenzene	ug/Kg	< 6.8		020612	6.8493	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 6.8		020612	6.8493	EPA8260
Dibromochloropropane	ug/Kg	< 6.8		020612	6.8493	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 6.8		020612	6.8493	EPA8260
Hexachlorobutadiene	ug/Kg	< 6.8		020612	6.8493	EPA8260
Naphthalene(v)	ug/Kg	< 6.8		020612	6.8493	EPA8260
123-Trichlorobenzene	ug/Kg	< 6.8		020612	6.8493	EPA8260
ter.ButylMethylEther	ug/Kg	< 6.8		020612	6.8493	EPA8260
p-Ethyltoluene	ug/Kg	< 6.8		020612	6.8493	EPA8260
Freon 113	ug/Kg	< 6.8		020612	6.8493	EPA8260
1245 Tetramethylbenz	ug/Kg	< 6.8		020612	6.8493	EPA8260
Acetone	ug/Kg	< 68		020612	68.493	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 68		020612	68.493	EPA8260
Methylisobutylketone	ug/Kg	< 68		020612	68.493	EPA8260
Chlorodifluoromethane	ug/Kg	< 6.8		020612	6.8493	EPA8260
p Diethylbenzene	ug/Kg	< 6.8		020612	6.8493	EPA8260
% Solids		73		020312	0.1	2540G

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell

DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.03 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 41		021012	41.095	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 41		021012	41.095	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 41		021012	41.095	EPA8270
Carbazole	ug/Kg	< 41		021012	41.095	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 41		021012	41.095	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 41		021012	41.095	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 41		021012	41.095	EPA8270
Hexachloroethane	ug/Kg	< 41		021012	41.095	EPA8270
Nitrobenzene	ug/Kg	< 41		021012	41.095	EPA8270
Isophorone	ug/Kg	< 41		021012	41.095	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 41		021012	41.095	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 41		021012	41.095	EPA8270
Naphthalene(sv)	ug/Kg	< 41		021012	41.095	EPA8270
4-Chloroaniline	ug/Kg	< 41		021012	41.095	EPA8270
Hexachlorobutadiene	ug/Kg	< 41		021012	41.095	EPA8270
2-Methylnaphthalene	ug/Kg	< 41		021012	41.095	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 410		021012	410.95	EPA8270
2-Chloronaphthalene	ug/Kg	< 41		021012	41.095	EPA8270
2-Nitroaniline	ug/Kg	< 41		021012	41.095	EPA8270
Dimethyl Phthalate	ug/Kg	< 41		021012	41.095	EPA8270
Acenaphthylene	ug/Kg	< 41		021012	41.095	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 41		021012	41.095	EPA8270
3-Nitroaniline	ug/Kg	< 41		021012	41.095	EPA8270
Acenaphthene	ug/Kg	< 41		021012	41.095	EPA8270
Dibenzofuran	ug/Kg	< 41		021012	41.095	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: Base Neutral surrogate not added to sample.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.03 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 41		021012	41.095	EPA8270
Diethyl Phthalate	ug/Kg	< 41		021012	41.095	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 41		021012	41.095	EPA8270
Fluorene	ug/Kg	< 41		021012	41.095	EPA8270
4-Nitroaniline	ug/Kg	< 41		021012	41.095	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 41		021012	41.095	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 41		021012	41.095	EPA8270
Hexachlorobenzene	ug/Kg	< 41		021012	41.095	EPA8270
Phenanthrene	ug/Kg	160		021012	41.095	EPA8270
Anthracene	ug/Kg	< 41		021012	41.095	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 41		021012	41.095	EPA8270
Fluoranthene	ug/Kg	340		021012	41.095	EPA8270
Pyrene	ug/Kg	330		021012	41.095	EPA8270
BenzylButylPhthalate	ug/Kg	< 41		021012	41.095	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 410		021012	410.95	EPA8270
Benzo(a)anthracene	ug/Kg	160		021012	41.095	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: Base Neutral surrogate not added to sample.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.03 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	190		021012	41.095	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 41		021012	41.095	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 41		021012	41.095	EPA8270
Benzo(b)fluoranthene	ug/Kg	160	J	021012	41.095	EPA8270
Benzo(k)fluoranthene	ug/Kg	160	J	021012	41.095	EPA8270
Benzo(a)pyrene	ug/Kg	150		021012	41.095	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	70		021012	41.095	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 41		021012	41.095	EPA8270
Benzo(ghi)perylene	ug/Kg	63		021012	41.095	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: Base Neutral surrogate not added to sample.
J-Estimated due to unobtainable method requirement of a 50% split between peaks with the same isomers.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.03 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 41		021012	41.095	EPA8270
2-Chlorophenol	ug/Kg	< 41		021012	41.095	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 41		021012	41.095	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 41		021012	41.095	EPA8270
2-Nitrophenol	ug/Kg	< 41		021012	41.095	EPA8270
2,4-Dimethylphenol	ug/Kg	< 41		021012	41.095	EPA8270
2,4-Dichlorophenol	ug/Kg	< 41		021012	41.095	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 41		021012	41.095	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 41		021012	41.095	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 41		021012	41.095	EPA8270
2,4-Dinitrophenol	ug/Kg	< 410		021012	410.95	EPA8270
4-Nitrophenol	ug/Kg	< 410		021012	410.95	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 410		021012	410.95	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 410		021012	410.95	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.03 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	5600		020712	1.3698	EPA6010B
Antimony as Sb	mg/Kg	< 1.4		020712	1.3698	EPA6010B
Arsenic as As	mg/Kg	4.7		020712	1.3698	EPA6010B
Barium as Ba	mg/Kg	110		020712	0.6849	EPA6010B
Beryllium as Be	mg/Kg	0.59		020712	0.1369	EPA6010B
Cadmium as Cd	mg/Kg	0.79		020712	0.6849	EPA6010B
Calcium as Ca	mg/Kg	2600		020712	27.397	EPA6010B
Chromium as Cr	mg/Kg	12		020712	0.6849	EPA6010B
Cobalt as Co	mg/Kg	8.9		020712	0.6849	EPA6010B
Copper as Cu	mg/Kg	23		020712	1.3698	EPA6010B
Iron as Fe	mg/Kg	19000		020712	1.3698	EPA6010B
Lead as Pb	mg/Kg	21		020712	0.6849	EPA6010B
Magnesium as Mg	mg/Kg	4100		020712	0.6849	EPA6010B
Manganese as Mn	mg/Kg	520		020712	1.3698	EPA6010B
Mercury as Hg	mg/Kg	0.036		020812	0.0054	EPA7471A
Nickel as Ni	mg/Kg	19		020712	1.3698	EPA6010B
Potassium as K	mg/Kg	1800		020812	684.93	EPA6010B
Selenium as Se	mg/Kg	5.3		020712	1.3698	EPA6010B
Silver as Ag	mg/Kg	< 0.68		020712	0.6849	EPA6010B
Sodium as Na	mg/Kg	150		020712	136.98	EPA6010B
Thallium as Tl	mg/Kg	< 1.4		020712	1.3698	EPA6010B
Vanadium as V	mg/Kg	16		020712	0.6849	EPA6010B
Zinc as Zn	mg/Kg	71		020712	1.3698	EPA6010B

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

rn = 1774 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.03 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.7		020812	2.7397	EPA8081
Heptachlor	ug/Kg	< 2.7		020812	2.7397	EPA8081
Aldrin	ug/Kg	< 2.7		020812	2.7397	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.7		020812	2.7397	EPA8081
p,p-DDE	ug/Kg	10		020812	2.7397	EPA8081
Dieldrin	ug/Kg	< 2.7		020812	2.7397	EPA8081
Endrin	ug/Kg	< 2.7	*	020812	2.7397	EPA8081
p,p-DDD	ug/Kg	< 2.7		020812	2.7397	EPA8081
p,p-DDT	ug/Kg	11	*	020812	5.4794	EPA8081
Chlordane	ug/Kg	< 11		020812	10.958	EPA8081
Toxaphene	ug/Kg	< 55		020812	54.794	EPA8081
Endrin Aldehyde	ug/Kg	< 16		020812	16.438	EPA8081
a BHC	ug/Kg	< 2.7		020812	2.7397	EPA8081
b BHC	ug/Kg	< 2.7		020812	2.7397	EPA8081
d BHC	ug/Kg	< 2.7		020812	2.7397	EPA8081
Endosulfan 1	ug/Kg	< 5.5		020812	5.4794	EPA8081
Endosulfan 2	ug/Kg	< 5.5		020812	5.4794	EPA8081
Endosulfan Sulfate	ug/Kg	< 16		020812	16.438	EPA8081

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Endrin breakdown (17%) exceeded 15% QC limit.
ppDDT breakdown (25%) exceeded 15% QC limit.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.03 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/Kg	< 55		020812	54.794	EPA8082
Aroclor 1221	ug/Kg	< 55		020812	54.794	EPA8082
Aroclor 1232	ug/Kg	< 55		020812	54.794	EPA8082
Aroclor 1242	ug/Kg	< 55		020812	54.794	EPA8082
Aroclor 1248	ug/Kg	< 55		020812	54.794	EPA8082
Aroclor 1254	ug/Kg	< 55		020812	54.794	EPA8082
Aroclor 1260	ug/Kg	< 55		020812	54.794	EPA8082

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

rn = 1776 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.04 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Chloromethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Vinyl Chloride	ug/Kg	< 5.5		020612	5.4945	EPA8260
Bromomethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Chloroethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.5		020612	5.4945	EPA8260
Methylene Chloride	ug/Kg	< 5.5		020612	5.4945	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.5		020612	5.4945	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.5		020612	5.4945	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.5		020612	5.4945	EPA8260
Bromochloromethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Chloroform	ug/Kg	< 5.5		020612	5.4945	EPA8260
111 Trichloroethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.5		020612	5.4945	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.5		020612	5.4945	EPA8260
Benzene	ug/Kg	< 5.5		020612	5.4945	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Trichloroethene	ug/Kg	< 5.5		020612	5.4945	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Dibromomethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Bromodichloromethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.5		020612	5.4945	EPA8260
Toluene	ug/Kg	< 5.5		020612	5.4945	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR *T.W. Powell*

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.04 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.5		020612	5.4945	EPA8260
112 Trichloroethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Tetrachloroethene	ug/Kg	< 5.5		020612	5.4945	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Chlorodibromomethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Chlorobenzene	ug/Kg	< 5.5		020612	5.4945	EPA8260
Ethyl Benzene	ug/Kg	< 5.5		020612	5.4945	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
m + p Xylene	ug/Kg	< 11		020612	10.989	EPA8260
o Xylene	ug/Kg	< 5.5		020612	5.4945	EPA8260
Styrene	ug/Kg	< 5.5		020612	5.4945	EPA8260
Bromoform	ug/Kg	< 5.5		020612	5.4945	EPA8260
Isopropylbenzene	ug/Kg	< 5.5		020612	5.4945	EPA8260
Bromobenzene	ug/Kg	< 5.5		020612	5.4945	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
123-Trichloropropane	ug/Kg	< 5.5		020612	5.4945	EPA8260
n-Propylbenzene	ug/Kg	< 5.5		020612	5.4945	EPA8260
2-Chlorotoluene	ug/Kg	< 5.5		020612	5.4945	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.5		020612	5.4945	EPA8260
4-Chlorotoluene	ug/Kg	< 5.5		020612	5.4945	EPA8260
tert-Butylbenzene	ug/Kg	< 5.5		020612	5.4945	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.5		020612	5.4945	EPA8260
sec-Butylbenzene	ug/Kg	< 5.5		020612	5.4945	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.5		020612	5.4945	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.H. Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.04 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.5		020612	5.4945	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.5		020612	5.4945	EPA8260
n-Butylbenzene	ug/Kg	< 5.5		020612	5.4945	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.5		020612	5.4945	EPA8260
Dibromochloropropane	ug/Kg	< 5.5		020612	5.4945	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.5		020612	5.4945	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.5		020612	5.4945	EPA8260
Naphthalene(v)	ug/Kg	< 5.5		020612	5.4945	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.5		020612	5.4945	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.5		020612	5.4945	EPA8260
p-Ethyltoluene	ug/Kg	< 5.5		020612	5.4945	EPA8260
Freon 113	ug/Kg	< 5.5		020612	5.4945	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.5		020612	5.4945	EPA8260
Acetone	ug/Kg	< 55		020612	54.945	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 55		020612	54.945	EPA8260
Methylisobutylketone	ug/Kg	< 55		020612	54.945	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
p Diethylbenzene	ug/Kg	< 5.5		020612	5.4945	EPA8260
% Solids		91		020312	0.1	182540G

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR [signature]

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.04 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 33		021012	32.967	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 33		021012	32.967	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 33		021012	32.967	EPA8270
Carbazole	ug/Kg	< 33		021012	32.967	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 33		021012	32.967	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 33		021012	32.967	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 33		021012	32.967	EPA8270
Hexachloroethane	ug/Kg	< 33		021012	32.967	EPA8270
Nitrobenzene	ug/Kg	< 33		021012	32.967	EPA8270
Isophorone	ug/Kg	< 33		021012	32.967	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 33		021012	32.967	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 33		021012	32.967	EPA8270
Naphthalene(sv)	ug/Kg	< 33		021012	32.967	EPA8270
4-Chloroaniline	ug/Kg	< 33		021012	32.967	EPA8270
Hexachlorobutadiene	ug/Kg	< 33		021012	32.967	EPA8270
2-Methylnaphthalene	ug/Kg	< 33		021012	32.967	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 330		021012	329.67	EPA8270
2-Chloronaphthalene	ug/Kg	< 33		021012	32.967	EPA8270
2-Nitroaniline	ug/Kg	< 33		021012	32.967	EPA8270
Dimethyl Phthalate	ug/Kg	< 33		021012	32.967	EPA8270
Acenaphthylene	ug/Kg	< 33		021012	32.967	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 33		021012	32.967	EPA8270
3-Nitroaniline	ug/Kg	< 33		021012	32.967	EPA8270
Acenaphthene	ug/Kg	< 33		021012	32.967	EPA8270
Dibenzofuran	ug/Kg	< 33		021012	32.967	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.04 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 33		021012	32.967	EPA8270
Diethyl Phthalate	ug/Kg	< 33		021012	32.967	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 33		021012	32.967	EPA8270
Fluorene	ug/Kg	< 33		021012	32.967	EPA8270
4-Nitroaniline	ug/Kg	< 33		021012	32.967	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 33		021012	32.967	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 33		021012	32.967	EPA8270
Hexachlorobenzene	ug/Kg	< 33		021012	32.967	EPA8270
Phenanthrene	ug/Kg	< 33		021012	32.967	EPA8270
Anthracene	ug/Kg	< 33		021012	32.967	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 33		021012	32.967	EPA8270
Fluoranthene	ug/Kg	< 33		021012	32.967	EPA8270
Pyrene	ug/Kg	< 33		021012	32.967	EPA8270
BenzylButylPhthalate	ug/Kg	< 33		021012	32.967	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 330		021012	329.67	EPA8270
Benzo(a)anthracene	ug/Kg	< 33		021012	32.967	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.04 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 33		021012	32.967	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 33		021012	32.967	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 33		021012	32.967	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 33		021012	32.967	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 33		021012	32.967	EPA8270
Benzo(a)pyrene	ug/Kg	< 33		021012	32.967	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 33		021012	32.967	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 33		021012	32.967	EPA8270
Benzo(ghi)perylene	ug/Kg	< 33		021012	32.967	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

rn = 1782 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.04 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 33		021012	32.967	EPA8270
2-Chlorophenol	ug/Kg	< 33		021012	32.967	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 33		021012	32.967	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 33		021012	32.967	EPA8270
2-Nitrophenol	ug/Kg	< 33		021012	32.967	EPA8270
2,4-Dimethylphenol	ug/Kg	< 33		021012	32.967	EPA8270
2,4-Dichlorophenol	ug/Kg	< 33		021012	32.967	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 33		021012	32.967	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 33		021012	32.967	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 33		021012	32.967	EPA8270
2,4-Dinitrophenol	ug/Kg	< 330		021012	329.67	EPA8270
4-Nitrophenol	ug/Kg	< 330		021012	329.67	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 330		021012	329.67	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 330		021012	329.67	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.04 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	6900		020712	1.0989	EPA6010B
Antimony as Sb	mg/Kg	< 1.1		020712	1.0989	EPA6010B
Arsenic as As	mg/Kg	< 1.1		020712	1.0989	EPA6010B
Barium as Ba	mg/Kg	21		020712	0.5494	EPA6010B
Beryllium as Be	mg/Kg	0.75		020712	0.1098	EPA6010B
Cadmium as Cd	mg/Kg	< 0.55		020712	0.5494	EPA6010B
Calcium as Ca	mg/Kg	150		020712	21.978	EPA6010B
Chromium as Cr	mg/Kg	6.2		020712	0.5494	EPA6010B
Cobalt as Co	mg/Kg	2.3		020712	0.5494	EPA6010B
Copper as Cu	mg/Kg	4.0		020712	1.0989	EPA6010B
Iron as Fe	mg/Kg	8200		020712	1.0989	EPA6010B
Lead as Pb	mg/Kg	1.1		020712	0.5494	EPA6010B
Magnesium as Mg	mg/Kg	270		020712	0.5494	EPA6010B
Manganese as Mn	mg/Kg	68		020712	1.0989	EPA6010B
Mercury as Hg	mg/Kg	0.0046		020812	0.0043	EPA7471A
Nickel as Ni	mg/Kg	5.7		020712	1.0989	EPA6010B
Potassium as K	mg/Kg	200		020712	109.89	EPA6010B
Selenium as Se	mg/Kg	2.1		020712	1.0989	EPA6010B
Silver as Ag	mg/Kg	< 0.55		020712	0.5494	EPA6010B
Sodium as Na	mg/Kg	< 110		020712	109.89	EPA6010B
Thallium as Tl	mg/Kg	< 1.1		020712	1.0989	EPA6010B
Vanadium as V	mg/Kg	12		020712	0.5494	EPA6010B
Zinc as Zn	mg/Kg	11		020712	1.0989	EPA6010B

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR [signature]

rn = 1784 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.04 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.2		020812	2.1978	EPA8081
Heptachlor	ug/Kg	< 2.2		020812	2.1978	EPA8081
Aldrin	ug/Kg	< 2.2		020812	2.1978	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.2		020812	2.1978	EPA8081
p,p-DDE	ug/Kg	< 2.2		020812	2.1978	EPA8081
Dieldrin	ug/Kg	< 2.2		020812	2.1978	EPA8081
Endrin	ug/Kg	< 2.2	*	020812	2.1978	EPA8081
p,p-DDD	ug/Kg	< 2.2		020812	2.1978	EPA8081
p,p-DDT	ug/Kg	< 4.4	*	020812	4.3956	EPA8081
Chlordane	ug/Kg	< 8.8		020812	8.7912	EPA8081
Toxaphene	ug/Kg	< 44		020812	43.956	EPA8081
Endrin Aldehyde	ug/Kg	< 13		020812	13.186	EPA8081
a BHC	ug/Kg	< 2.2		020812	2.1978	EPA8081
b BHC	ug/Kg	< 2.2		020812	2.1978	EPA8081
d BHC	ug/Kg	< 2.2		020812	2.1978	EPA8081
Endosulfan 1	ug/Kg	< 4.4		020812	4.3956	EPA8081
Endosulfan 2	ug/Kg	< 4.4		020812	4.3956	EPA8081
Endosulfan Sulfate	ug/Kg	< 13		020812	13.186	EPA8081

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Endrin breakdown (17%) exceeded 15% QC limit.
ppDDT breakdown (25%) exceeded 15% QC limit.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.04 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/Kg	< 44		020812	43.956	EPA8082
Aroclor 1221	ug/Kg	< 44		020812	43.956	EPA8082
Aroclor 1232	ug/Kg	< 44		020812	43.956	EPA8082
Aroclor 1242	ug/Kg	< 44		020812	43.956	EPA8082
Aroclor 1248	ug/Kg	< 44		020812	43.956	EPA8082
Aroclor 1254	ug/Kg	< 44		020812	43.956	EPA8082
Aroclor 1260	ug/Kg	< 44		020812	43.956	EPA8082

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.05 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Chloromethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Vinyl Chloride	ug/Kg	< 6.0		020612	6.0240	EPA8260
Bromomethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Chloroethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Trichlorofluoromethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
1,1 Dichloroethene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Methylene Chloride	ug/Kg	< 6.0		020612	6.0240	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 6.0		020612	6.0240	EPA8260
1,1 Dichloroethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
2,2-Dichloropropane	ug/Kg	< 6.0		020612	6.0240	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Bromochloromethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Chloroform	ug/Kg	< 6.0		020612	6.0240	EPA8260
111 Trichloroethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Carbon Tetrachloride	ug/Kg	< 6.0		020612	6.0240	EPA8260
1,1-Dichloropropene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Benzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
1,2 Dichloroethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Trichloroethene	ug/Kg	< 6.0		020612	6.0240	EPA8260
1,2 Dichloropropane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Dibromomethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Bromodichloromethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
c-1,3Dichloropropene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Toluene	ug/Kg	< 6.0		020612	6.0240	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR ___ T.W. Powell

rn = 1787 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.05 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 6.0		020612	6.0240	EPA8260
112 Trichloroethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Tetrachloroethene	ug/Kg	< 6.0		020612	6.0240	EPA8260
1,3-Dichloropropane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Chlorodibromomethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
1,2 Dibromoethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
Chlorobenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Ethyl Benzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
1112Tetrachloroethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
m + p Xylene	ug/Kg	< 12		020612	12.048	EPA8260
o Xylene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Styrene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Bromoform	ug/Kg	< 6.0		020612	6.0240	EPA8260
Isopropylbenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Bromobenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
123-Trichloropropane	ug/Kg	< 6.0		020612	6.0240	EPA8260
n-Propylbenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
2-Chlorotoluene	ug/Kg	< 6.0		020612	6.0240	EPA8260
135-Trimethylbenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
4-Chlorotoluene	ug/Kg	< 6.0		020612	6.0240	EPA8260
tert-Butylbenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
124-Trimethylbenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
sec-Butylbenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
p-Isopropyltoluene	ug/Kg	< 6.0		020612	6.0240	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.05 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 6.0		020612	6.0240	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 6.0		020612	6.0240	EPA8260
n-Butylbenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 6.0		020612	6.0240	EPA8260
Dibromochloropropane	ug/Kg	< 6.0		020612	6.0240	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 6.0		020612	6.0240	EPA8260
Hexachlorobutadiene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Naphthalene(v)	ug/Kg	< 6.0		020612	6.0240	EPA8260
123-Trichlorobenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
ter.ButylMethylEther	ug/Kg	< 6.0		020612	6.0240	EPA8260
p-Ethyltoluene	ug/Kg	< 6.0		020612	6.0240	EPA8260
Freon 113	ug/Kg	< 6.0		020612	6.0240	EPA8260
1245 Tetramethylbenz	ug/Kg	< 6.0		020612	6.0240	EPA8260
Acetone	ug/Kg	< 60		020612	60.240	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 60		020612	60.240	EPA8260
Methylisobutylketone	ug/Kg	< 60		020612	60.240	EPA8260
Chlorodifluoromethane	ug/Kg	< 6.0		020612	6.0240	EPA8260
p Diethylbenzene	ug/Kg	< 6.0		020612	6.0240	EPA8260
% Solids		83		020312	0.1	182540G

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.05 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 36		021012	36.144	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 36		021012	36.144	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 36		021012	36.144	EPA8270
Carbazole	ug/Kg	< 36		021012	36.144	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 36		021012	36.144	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 36		021012	36.144	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 36		021012	36.144	EPA8270
Hexachloroethane	ug/Kg	< 36		021012	36.144	EPA8270
Nitrobenzene	ug/Kg	< 36		021012	36.144	EPA8270
Isophorone	ug/Kg	< 36		021012	36.144	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 36		021012	36.144	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 36		021012	36.144	EPA8270
Naphthalene(sv)	ug/Kg	46		021012	36.144	EPA8270
4-Chloroaniline	ug/Kg	< 36		021012	36.144	EPA8270
Hexachlorobutadiene	ug/Kg	< 36		021012	36.144	EPA8270
2-Methylnaphthalene	ug/Kg	36		021012	36.144	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 360		021012	361.44	EPA8270
2-Chloronaphthalene	ug/Kg	< 36		021012	36.144	EPA8270
2-Nitroaniline	ug/Kg	< 36		021012	36.144	EPA8270
Dimethyl Phthalate	ug/Kg	< 36		021012	36.144	EPA8270
Acenaphthylene	ug/Kg	61		021012	36.144	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 36		021012	36.144	EPA8270
3-Nitroaniline	ug/Kg	< 36		021012	36.144	EPA8270
Acenaphthene	ug/Kg	< 36		021012	36.144	EPA8270
Dibenzofuran	ug/Kg	< 36		021012	36.144	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.05 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 36		021012	36.144	EPA8270
Diethyl Phthalate	ug/Kg	< 36		021012	36.144	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 36		021012	36.144	EPA8270
Fluorene	ug/Kg	< 36		021012	36.144	EPA8270
4-Nitroaniline	ug/Kg	< 36		021012	36.144	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 36		021012	36.144	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 36		021012	36.144	EPA8270
Hexachlorobenzene	ug/Kg	< 36		021012	36.144	EPA8270
Phenanthrene	ug/Kg	180		021012	36.144	EPA8270
Anthracene	ug/Kg	< 36		021012	36.144	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 36		021012	36.144	EPA8270
Fluoranthene	ug/Kg	460		021012	36.144	EPA8270
Pyrene	ug/Kg	590		021012	36.144	EPA8270
BenzylButylPhthalate	ug/Kg	< 36		021012	36.144	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 360	J	021012	361.44	EPA8270
Benzo(a)anthracene	ug/Kg	290		021012	36.144	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: J-Estimated due to low internal standard, 40% vs 50%.

Thomas Powell
DIRECTOR

rn = 1791 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.05 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	370		021012	36.144	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	76		021012	36.144	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 36	J	021012	36.144	EPA8270
Benzo(b)fluoranthene	ug/Kg	430	J,J	021012	36.144	EPA8270
Benzo(k)fluoranthene	ug/Kg	310	J,J	021012	36.144	EPA8270
Benzo(a)pyrene	ug/Kg	280	J	021012	36.144	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	140	J	021012	36.144	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 36	J	021012	36.144	EPA8270
Benzo(ghi)perylene	ug/Kg	130	J	021012	36.144	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: J-Estimated due to low internal standard, 40% vs 50%.
J-Estimated due to unobtainable method requirement of a 50% split between peaks with the same isomers.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.05 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 36		021012	36.144	EPA8270
2-Chlorophenol	ug/Kg	< 36		021012	36.144	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 36		021012	36.144	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 36		021012	36.144	EPA8270
2-Nitrophenol	ug/Kg	< 36		021012	36.144	EPA8270
2,4-Dimethylphenol	ug/Kg	< 36		021012	36.144	EPA8270
2,4-Dichlorophenol	ug/Kg	< 36		021012	36.144	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 36		021012	36.144	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 36		021012	36.144	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 36		021012	36.144	EPA8270
2,4-Dinitrophenol	ug/Kg	< 360		021012	361.44	EPA8270
4-Nitrophenol	ug/Kg	< 360		021012	361.44	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 360		021012	361.44	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 360		021012	361.44	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.05 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	8200		020712	1.2048	EPA6010B
Antimony as Sb	mg/Kg	< 1.2		020712	1.2048	EPA6010B
Arsenic as As	mg/Kg	16		020712	1.2048	EPA6010B
Barium as Ba	mg/Kg	160		020712	0.6024	EPA6010B
Beryllium as Be	mg/Kg	0.61		020712	0.1204	EPA6010B
Cadmium as Cd	mg/Kg	1.3		020712	0.6024	EPA6010B
Calcium as Ca	mg/Kg	1800		020712	24.096	EPA6010B
Chromium as Cr	mg/Kg	13		020712	0.6024	EPA6010B
Cobalt as Co	mg/Kg	5.8		020712	0.6024	EPA6010B
Copper as Cu	mg/Kg	140		020712	1.2048	EPA6010B
Iron as Fe	mg/Kg	14000		020712	1.2048	EPA6010B
Lead as Pb	mg/Kg	250		020712	0.6024	EPA6010B
Magnesium as Mg	mg/Kg	1700		020712	0.6024	EPA6010B
Manganese as Mn	mg/Kg	270		020712	1.2048	EPA6010B
Mercury as Hg	mg/Kg	0.17		020812	0.0048	EPA7471A
Nickel as Ni	mg/Kg	14		020712	1.2048	EPA6010B
Potassium as K	mg/Kg	900		020712	120.48	EPA6010B
Selenium as Se	mg/Kg	3.9		020712	1.2048	EPA6010B
Silver as Ag	mg/Kg	< 0.60		020712	0.6024	EPA6010B
Sodium as Na	mg/Kg	140		020712	120.48	EPA6010B
Thallium as Tl	mg/Kg	< 1.2		020712	1.2048	EPA6010B
Vanadium as V	mg/Kg	22		020712	0.6024	EPA6010B
Zinc as Zn	mg/Kg	140		020712	1.2048	EPA6010B

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.05 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.4	*	020812	2.4096	EPA8081
Heptachlor	ug/Kg	< 2.4	*	020812	2.4096	EPA8081
Aldrin	ug/Kg	< 2.4	*	020812	2.4096	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.4	*	020812	2.4096	EPA8081
p,p-DDE	ug/Kg	< 2.4	*	020812	2.4096	EPA8081
Dieldrin	ug/Kg	< 2.4	*	020812	2.4096	EPA8081
Endrin	ug/Kg	< 2.4	*	020812	2.4096	EPA8081
p,p-DDD	ug/Kg	< 2.4	*	020812	2.4096	EPA8081
p,p-DDT	ug/Kg	< 4.8	*	020812	4.8192	EPA8081
Chlordane	ug/Kg	< 9.6	*	020812	9.6385	EPA8081
Toxaphene	ug/Kg	< 48	*	020812	48.192	EPA8081
Endrin Aldehyde	ug/Kg	< 14	*	020812	14.457	EPA8081
a BHC	ug/Kg	< 2.4	*	020812	2.4096	EPA8081
b BHC	ug/Kg	< 2.4	*	020812	2.4096	EPA8081
d BHC	ug/Kg	< 2.4	*	020812	2.4096	EPA8081
Endosulfan 1	ug/Kg	< 4.8	*	020812	4.8192	EPA8081
Endosulfan 2	ug/Kg	< 4.8		020812	4.8192	EPA8081
Endosulfan Sulfate	ug/Kg	< 14		020812	14.457	EPA8081

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Endrin breakdown (17%) exceeded 15% QC limit.
ppDDT breakdown (25%) exceeded 15% QC limit.
Surrogate % recovery for the sample (32%) was below QC limit (59%).

Thomas Powell
DIRECTOR ____________

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.05 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/Kg	< 48	*	020812	48.192	EPA8082
Aroclor 1221	ug/Kg	< 48	*	020812	48.192	EPA8082
Aroclor 1232	ug/Kg	< 48	*	020812	48.192	EPA8082
Aroclor 1242	ug/Kg	< 48	*	020812	48.192	EPA8082
Aroclor 1248	ug/Kg	< 48	*	020812	48.192	EPA8082
Aroclor 1254	ug/Kg	< 48	*	020812	48.192	EPA8082
Aroclor 1260	ug/Kg	< 48	*	020812	0	EPA8082

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Surrogate % recovery for the sample (32%) was below QC limit (59%).

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.06 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 8-10'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chloromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Vinyl Chloride	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromomethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Methylene Chloride	ug/Kg	< 5.7		020612	5.6818	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromochloromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chloroform	ug/Kg	< 5.7		020612	5.6818	EPA8260
111 Trichloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Benzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Trichloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Dibromomethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromodichloromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Toluene	ug/Kg	< 5.7		020612	5.6818	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

rn = 1797 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.06 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 8-10'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.7		020612	5.6818	EPA8260
112 Trichloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Tetrachloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chlorodibromomethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chlorobenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Ethyl Benzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
m + p Xylene	ug/Kg	< 11		020612	11.363	EPA8260
o Xylene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Styrene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromoform	ug/Kg	< 5.7		020612	5.6818	EPA8260
Isopropylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromobenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
123-Trichloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
n-Propylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
2-Chlorotoluene	ug/Kg	< 5.7		020612	5.6818	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
4-Chlorotoluene	ug/Kg	< 5.7		020612	5.6818	EPA8260
tert-Butylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
sec-Butylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.7		020612	5.6818	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.06 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 8-10'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
n-Butylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
Dibromochloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Naphthalene(v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.7		020612	5.6818	EPA8260
p-Ethyltoluene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Freon 113	ug/Kg	< 5.7		020612	5.6818	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.7		020612	5.6818	EPA8260
Acetone	ug/Kg	< 57		020612	56.818	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 57		020612	56.818	EPA8260
Methylisobutylketone	ug/Kg	< 57		020612	56.818	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
p Diethylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
% Solids		88		020312	0.1	182540G

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR TW Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.06 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 8-10'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 34		021012	34.090	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 34		021012	34.090	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 34		021012	34.090	EPA8270
Carbazole	ug/Kg	< 34		021012	34.090	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 34		021012	34.090	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 34		021012	34.090	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 34		021012	34.090	EPA8270
Hexachloroethane	ug/Kg	< 34		021012	34.090	EPA8270
Nitrobenzene	ug/Kg	< 34		021012	34.090	EPA8270
Isophorone	ug/Kg	< 34		021012	34.090	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 34		021012	34.090	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 34		021012	34.090	EPA8270
Naphthalene(sv)	ug/Kg	< 34		021012	34.090	EPA8270
4-Chloroaniline	ug/Kg	< 34		021012	34.090	EPA8270
Hexachlorobutadiene	ug/Kg	< 34		021012	34.090	EPA8270
2-Methylnaphthalene	ug/Kg	< 34		021012	34.090	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 340		021012	340.90	EPA8270
2-Chloronaphthalene	ug/Kg	< 34		021012	34.090	EPA8270
2-Nitroaniline	ug/Kg	< 34		021012	34.090	EPA8270
Dimethyl Phthalate	ug/Kg	< 34		021012	34.090	EPA8270
Acenaphthylene	ug/Kg	< 34		021012	34.090	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 34		021012	34.090	EPA8270
3-Nitroaniline	ug/Kg	< 34		021012	34.090	EPA8270
Acenaphthene	ug/Kg	< 34		021012	34.090	EPA8270
Dibenzofuran	ug/Kg	< 34		021012	34.090	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR ____

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.06 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 8-10'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 34		021012	34.090	EPA8270
Diethyl Phthalate	ug/Kg	< 34		021012	34.090	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 34		021012	34.090	EPA8270
Fluorene	ug/Kg	< 34		021012	34.090	EPA8270
4-Nitroaniline	ug/Kg	< 34		021012	34.090	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 34		021012	34.090	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 34		021012	34.090	EPA8270
Hexachlorobenzene	ug/Kg	< 34		021012	34.090	EPA8270
Phenanthrene	ug/Kg	< 34		021012	34.090	EPA8270
Anthracene	ug/Kg	< 34		021012	34.090	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 34		021012	34.090	EPA8270
Fluoranthene	ug/Kg	< 34		021012	34.090	EPA8270
Pyrene	ug/Kg	< 34		021012	34.090	EPA8270
BenzylButylPhthalate	ug/Kg	< 34		021012	34.090	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 340		021012	340.90	EPA8270
Benzo(a)anthracene	ug/Kg	< 34		021012	34.090	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.06 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 8-10'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 34		021012	34.090	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 34		021012	34.090	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 34		021012	34.090	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 34		021012	34.090	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 34		021012	34.090	EPA8270
Benzo(a)pyrene	ug/Kg	< 34		021012	34.090	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 34		021012	34.090	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 34		021012	34.090	EPA8270
Benzo(ghi)perylene	ug/Kg	< 34		021012	34.090	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell

DIRECTOR

rn = 1802 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.06 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 8-10'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 34		021012	34.090	EPA8270
2-Chlorophenol	ug/Kg	< 34		021012	34.090	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 34		021012	34.090	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 34		021012	34.090	EPA8270
2-Nitrophenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4-Dimethylphenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4-Dichlorophenol	ug/Kg	< 34		021012	34.090	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4-Dinitrophenol	ug/Kg	< 340		021012	340.90	EPA8270
4-Nitrophenol	ug/Kg	< 340		021012	340.90	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 340		021012	340.90	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 340		021012	340.90	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.06 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 8-10'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	11000		020712	1.1363	EPA6010B
Antimony as Sb	mg/Kg	< 1.1		020712	1.1363	EPA6010B
Arsenic as As	mg/Kg	< 1.1		020712	1.1363	EPA6010B
Barium as Ba	mg/Kg	50		020712	0.5681	EPA6010B
Beryllium as Be	mg/Kg	0.52		020712	0.1136	EPA6010B
Cadmium as Cd	mg/Kg	< 0.57		020712	0.5681	EPA6010B
Calcium as Ca	mg/Kg	280		020712	22.727	EPA6010B
Chromium as Cr	mg/Kg	8.5		020712	0.5681	EPA6010B
Cobalt as Co	mg/Kg	2.5		020712	0.5681	EPA6010B
Copper as Cu	mg/Kg	4.1		020712	1.1363	EPA6010B
Iron as Fe	mg/Kg	8400		020712	1.1363	EPA6010B
Lead as Pb	mg/Kg	1.4		020712	0.5681	EPA6010B
Magnesium as Mg	mg/Kg	400		020712	0.5681	EPA6010B
Manganese as Mn	mg/Kg	100		020712	1.1363	EPA6010B
Mercury as Hg	mg/Kg	0.0058		020812	0.0045	EPA7471A
Nickel as Ni	mg/Kg	7.6		020712	1.1363	EPA6010B
Potassium as K	mg/Kg	410		020712	113.63	EPA6010B
Selenium as Se	mg/Kg	3.9		020712	1.1363	EPA6010B
Silver as Ag	mg/Kg	< 0.57		020712	0.5681	EPA6010B
Sodium as Na	mg/Kg	< 110		020712	113.63	EPA6010B
Thallium as Tl	mg/Kg	< 1.1		020712	1.1363	EPA6010B
Vanadium as V	mg/Kg	13		020712	0.5681	EPA6010B
Zinc as Zn	mg/Kg	15		020712	1.1363	EPA6010B

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.06 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 8-10'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.3		020812	2.2727	EPA8081
Heptachlor	ug/Kg	< 2.3		020812	2.2727	EPA8081
Aldrin	ug/Kg	< 2.3		020812	2.2727	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.3		020812	2.2727	EPA8081
p,p-DDE	ug/Kg	< 2.3		020812	2.2727	EPA8081
Dieldrin	ug/Kg	< 2.3		020812	2.2727	EPA8081
Endrin	ug/Kg	< 2.3	*	020812	2.2727	EPA8081
p,p-DDD	ug/Kg	< 2.3		020812	2.2727	EPA8081
p,p-DDT	ug/Kg	< 4.5		020812	4.5454	EPA8081
Chlordane	ug/Kg	< 9.1		020812	9.0909	EPA8081
Toxaphene	ug/Kg	< 45		020812	45.454	EPA8081
Endrin Aldehyde	ug/Kg	< 14		020812	13.636	EPA8081
a BHC	ug/Kg	< 2.3		020812	2.2727	EPA8081
b BHC	ug/Kg	< 2.3		020812	2.2727	EPA8081
d BHC	ug/Kg	< 2.3		020812	2.2727	EPA8081
Endosulfan 1	ug/Kg	< 4.5		020812	4.5454	EPA8081
Endosulfan 2	ug/Kg	< 4.5		020812	4.5454	EPA8081
Endosulfan Sulfate	ug/Kg	< 14		020812	13.636	EPA8081

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Endrin breakdown (16%) exceeded 15% QC limit.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.06 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530

ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-3 8-10'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1221	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1232	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1242	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1248	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1254	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1260	ug/Kg	< 45		020812	45.454	EPA8082

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

rn = 1806 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.07 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chloromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Vinyl Chloride	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromomethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Methylene Chloride	ug/Kg	< 5.7		020612	5.6818	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromochloromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chloroform	ug/Kg	< 5.7		020612	5.6818	EPA8260
111 Trichloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Benzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Trichloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Dibromomethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromodichloromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Toluene	ug/Kg	< 5.7		020612	5.6818	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

rn = 1807 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.07 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.7		020612	5.6818	EPA8260
112 Trichloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Tetrachloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chlorodibromomethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chlorobenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Ethyl Benzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
m + p Xylene	ug/Kg	< 11		020612	11.363	EPA8260
o Xylene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Styrene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromoform	ug/Kg	< 5.7		020612	5.6818	EPA8260
Isopropylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromobenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
123-Trichloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
n-Propylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
2-Chlorotoluene	ug/Kg	< 5.7		020612	5.6818	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
4-Chlorotoluene	ug/Kg	< 5.7		020612	5.6818	EPA8260
tert-Butylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
sec-Butylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.7		020612	5.6818	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.07 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
n-Butylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
Dibromochloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Naphthalene(v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.7		020612	5.6818	EPA8260
p-Ethyltoluene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Freon 113	ug/Kg	< 5.7		020612	5.6818	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.7		020612	5.6818	EPA8260
Acetone	ug/Kg	< 57		020612	56.818	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 57		020612	56.818	EPA8260
Methylisobutylketone	ug/Kg	< 57		020612	56.818	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
p Diethylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
% Solids		88		020312	0.1	182540G

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.07 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 34		021012	34.090	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 34		021012	34.090	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 34		021012	34.090	EPA8270
Carbazole	ug/Kg	< 34		021012	34.090	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 34		021012	34.090	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 34		021012	34.090	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 34		021012	34.090	EPA8270
Hexachloroethane	ug/Kg	< 34		021012	34.090	EPA8270
Nitrobenzene	ug/Kg	< 34		021012	34.090	EPA8270
Isophorone	ug/Kg	< 34		021012	34.090	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 34		021012	34.090	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 34		021012	34.090	EPA8270
Naphthalene(sv)	ug/Kg	< 34		021012	34.090	EPA8270
4-Chloroaniline	ug/Kg	< 34		021012	34.090	EPA8270
Hexachlorobutadiene	ug/Kg	< 34		021012	34.090	EPA8270
2-Methylnaphthalene	ug/Kg	220		021012	34.090	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 340		021012	340.90	EPA8270
2-Chloronaphthalene	ug/Kg	< 34		021012	34.090	EPA8270
2-Nitroaniline	ug/Kg	< 34		021012	34.090	EPA8270
Dimethyl Phthalate	ug/Kg	< 34		021012	34.090	EPA8270
Acenaphthylene	ug/Kg	< 34		021012	34.090	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 34		021012	34.090	EPA8270
3-Nitroaniline	ug/Kg	< 34		021012	34.090	EPA8270
Acenaphthene	ug/Kg	34		021012	34.090	EPA8270
Dibenzofuran	ug/Kg	< 34		021012	34.090	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.07 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 34		021012	34.090	EPA8270
Diethyl Phthalate	ug/Kg	< 34		021012	34.090	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 34		021012	34.090	EPA8270
Fluorene	ug/Kg	56		021012	34.090	EPA8270
4-Nitroaniline	ug/Kg	< 34		021012	34.090	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 34		021012	34.090	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 34		021012	34.090	EPA8270
Hexachlorobenzene	ug/Kg	< 34		021012	34.090	EPA8270
Phenanthrene	ug/Kg	170		021012	34.090	EPA8270
Anthracene	ug/Kg	< 34		021012	34.090	EPA8270
Di-n-Butyl Phthalate	ug/Kg	34		021012	34.090	EPA8270
Fluoranthene	ug/Kg	65		021012	34.090	EPA8270
Pyrene	ug/Kg	76		021012	34.090	EPA8270
BenzylButylPhthalate	ug/Kg	430		021012	34.090	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 340		021012	340.90	EPA8270
Benzo(a)anthracene	ug/Kg	< 34		021012	34.090	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.07 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 34		021012	34.090	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	270		021012	34.090	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 34		021012	34.090	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 34		021012	34.090	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 34		021012	34.090	EPA8270
Benzo(a)pyrene	ug/Kg	< 34		021012	34.090	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 34		021012	34.090	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 34		021012	34.090	EPA8270
Benzo(ghi)perylene	ug/Kg	< 34		021012	34.090	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.07 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 34		021012	34.090	EPA8270
2-Chlorophenol	ug/Kg	< 34		021012	34.090	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 34		021012	34.090	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 34		021012	34.090	EPA8270
2-Nitrophenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4-Dimethylphenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4-Dichlorophenol	ug/Kg	< 34		021012	34.090	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4-Dinitrophenol	ug/Kg	< 340		021012	340.90	EPA8270
4-Nitrophenol	ug/Kg	< 340		021012	340.90	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 340		021012	340.90	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 340		021012	340.90	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.07 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530

ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	7400		020712	1.1363	EPA6010B
Antimony as Sb	mg/Kg	< 1.1		020712	1.1363	EPA6010B
Arsenic as As	mg/Kg	3.8		020712	1.1363	EPA6010B
Barium as Ba	mg/Kg	44		020712	0.5681	EPA6010B
Beryllium as Be	mg/Kg	0.52		020712	0.1136	EPA6010B
Cadmium as Cd	mg/Kg	< 0.57		020712	0.5681	EPA6010B
Calcium as Ca	mg/Kg	760		020712	22.727	EPA6010B
Chromium as Cr	mg/Kg	11		020712	0.5681	EPA6010B
Cobalt as Co	mg/Kg	6.5		020712	0.5681	EPA6010B
Copper as Cu	mg/Kg	14		020712	1.1363	EPA6010B
Iron as Fe	mg/Kg	14000		020712	1.1363	EPA6010B
Lead as Pb	mg/Kg	7.4		020712	0.5681	EPA6010B
Magnesium as Mg	mg/Kg	2400		020712	0.5681	EPA6010B
Manganese as Mn	mg/Kg	230		020712	1.1363	EPA6010B
Mercury as Hg	mg/Kg	0.011		020812	0.0045	EPA7471A
Nickel as Ni	mg/Kg	11		020712	1.1363	EPA6010B
Potassium as K	mg/Kg	1100		020712	113.63	EPA6010B
Selenium as Se	mg/Kg	2.3		020712	1.1363	EPA6010B
Silver as Ag	mg/Kg	< 0.57		020712	0.5681	EPA6010B
Sodium as Na	mg/Kg	160		020712	113.63	EPA6010B
Thallium as Tl	mg/Kg	1.1		020712	1.1363	EPA6010B
Vanadium as V	mg/Kg	16		020712	0.5681	EPA6010B
Zinc as Zn	mg/Kg	39		020712	1.1363	EPA6010B

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.07 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.3		020812	2.2727	EPA8081
Heptachlor	ug/Kg	< 2.3		020812	2.2727	EPA8081
Aldrin	ug/Kg	< 2.3		020812	2.2727	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.3		020812	2.2727	EPA8081
p,p-DDE	ug/Kg	< 2.3		020812	2.2727	EPA8081
Dieldrin	ug/Kg	< 2.3		020812	2.2727	EPA8081
Endrin	ug/Kg	< 2.3	*	020812	2.2727	EPA8081
p,p-DDD	ug/Kg	< 2.3		020812	2.2727	EPA8081
p,p-DDT	ug/Kg	< 4.5	*	020812	4.5454	EPA8081
Chlordane	ug/Kg	< 9.1		020812	9.0909	EPA8081
Toxaphene	ug/Kg	< 45		020812	45.454	EPA8081
Endrin Aldehyde	ug/Kg	< 14		020812	13.636	EPA8081
a BHC	ug/Kg	< 2.3		020812	2.2727	EPA8081
b BHC	ug/Kg	< 2.3		020812	2.2727	EPA8081
d BHC	ug/Kg	< 2.3		020812	2.2727	EPA8081
Endosulfan 1	ug/Kg	< 4.5		020812	4.5454	EPA8081
Endosulfan 2	ug/Kg	< 4.5		020812	4.5454	EPA8081
Endosulfan Sulfate	ug/Kg	< 14		020812	13.636	EPA8081

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Endrin breakdown (17%) exceeded 15% QC limit.
ppDDT breakdown (25%) exceeded 15% QC limit.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.07 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1221	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1232	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1242	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1248	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1254	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1260	ug/Kg	< 45		020812	45.454	EPA8082

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.08 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/Kg	< 5.3		020612	5.3191	EPA8260
Chloromethane	ug/Kg	< 5.3		020612	5.3191	EPA8260
Vinyl Chloride	ug/Kg	< 5.3		020612	5.3191	EPA8260
Bromomethane	ug/Kg	< 5.3		020612	5.3191	EPA8260
Chloroethane	ug/Kg	< 5.3		020612	5.3191	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.3		020612	5.3191	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.3		020612	5.3191	EPA8260
Methylene Chloride	ug/Kg	< 5.3		020612	5.3191	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.3		020612	5.3191	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.3		020612	5.3191	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.3		020612	5.3191	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.3		020612	5.3191	EPA8260
Bromochloromethane	ug/Kg	< 5.3		020612	5.3191	EPA8260
Chloroform	ug/Kg	< 5.3		020612	5.3191	EPA8260
111 Trichloroethane	ug/Kg	< 5.3		020612	5.3191	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.3		020612	5.3191	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.3		020612	5.3191	EPA8260
Benzene	ug/Kg	< 5.3		020612	5.3191	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.3		020612	5.3191	EPA8260
Trichloroethene	ug/Kg	< 5.3		020612	5.3191	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.3		020612	5.3191	EPA8260
Dibromomethane	ug/Kg	< 5.3		020612	5.3191	EPA8260
Bromodichloromethane	ug/Kg	< 5.3		020612	5.3191	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.3		020612	5.3191	EPA8260
Toluene	ug/Kg	< 5.3		020612	5.3191	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.08 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.3		020612	5.3191	EPA8260
112 Trichloroethane	ug/Kg	< 5.3		020612	5.3191	EPA8260
Tetrachloroethene	ug/Kg	< 5.3		020612	5.3191	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.3		020612	5.3191	EPA8260
Chlorodibromomethane	ug/Kg	< 5.3		020612	5.3191	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.3		020612	5.3191	EPA8260
Chlorobenzene	ug/Kg	< 5.3		020612	5.3191	EPA8260
Ethyl Benzene	ug/Kg	< 5.3		020612	5.3191	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.3		020612	5.3191	EPA8260
m + p Xylene	ug/Kg	< 11		020612	10.638	EPA8260
o Xylene	ug/Kg	< 5.3		020612	5.3191	EPA8260
Styrene	ug/Kg	< 5.3		020612	5.3191	EPA8260
Bromoform	ug/Kg	< 5.3		020612	5.3191	EPA8260
Isopropylbenzene	ug/Kg	< 5.3		020612	5.3191	EPA8260
Bromobenzene	ug/Kg	< 5.3		020612	5.3191	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.3		020612	5.3191	EPA8260
123-Trichloropropane	ug/Kg	< 5.3		020612	5.3191	EPA8260
n-Propylbenzene	ug/Kg	< 5.3		020612	5.3191	EPA8260
2-Chlorotoluene	ug/Kg	< 5.3		020612	5.3191	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.3		020612	5.3191	EPA8260
4-Chlorotoluene	ug/Kg	< 5.3		020612	5.3191	EPA8260
tert-Butylbenzene	ug/Kg	< 5.3		020612	5.3191	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.3		020612	5.3191	EPA8260
sec-Butylbenzene	ug/Kg	< 5.3		020612	5.3191	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.3		020612	5.3191	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.08 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.3		020612	5.3191	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.3		020612	5.3191	EPA8260
n-Butylbenzene	ug/Kg	< 5.3		020612	5.3191	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.3		020612	5.3191	EPA8260
Dibromochloropropane	ug/Kg	< 5.3		020612	5.3191	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.3		020612	5.3191	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.3		020612	5.3191	EPA8260
Naphthalene(v)	ug/Kg	< 5.3		020612	5.3191	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.3		020612	5.3191	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.3		020612	5.3191	EPA8260
p-Ethyltoluene	ug/Kg	< 5.3		020612	5.3191	EPA8260
Freon 113	ug/Kg	< 5.3		020612	5.3191	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.3		020612	5.3191	EPA8260
Acetone	ug/Kg	< 53		020612	53.191	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 53		020612	53.191	EPA8260
Methylisobutylketone	ug/Kg	< 53		020612	53.191	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.3		020612	5.3191	EPA8260
p Diethylbenzene	ug/Kg	< 5.3		020612	5.3191	EPA8260
% Solids		94		020312	0.1	182540G

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.08 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530

ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 32		020912	31.914	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 32		020912	31.914	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 32		020912	31.914	EPA8270
Carbazole	ug/Kg	< 32		020912	31.914	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 32		020912	31.914	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 32		020912	31.914	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 32		020912	31.914	EPA8270
Hexachloroethane	ug/Kg	< 32		020912	31.914	EPA8270
Nitrobenzene	ug/Kg	< 32		020912	31.914	EPA8270
Isophorone	ug/Kg	< 32		020912	31.914	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 32		020912	31.914	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 32		020912	31.914	EPA8270
Naphthalene(sv)	ug/Kg	< 32		020912	31.914	EPA8270
4-Chloroaniline	ug/Kg	< 32		020912	31.914	EPA8270
Hexachlorobutadiene	ug/Kg	< 32		020912	31.914	EPA8270
2-Methylnaphthalene	ug/Kg	< 32		020912	31.914	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 320		020912	319.14	EPA8270
2-Chloronaphthalene	ug/Kg	< 32		020912	31.914	EPA8270
2-Nitroaniline	ug/Kg	< 32		020912	31.914	EPA8270
Dimethyl Phthalate	ug/Kg	< 32		020912	31.914	EPA8270
Acenaphthylene	ug/Kg	< 32		020912	31.914	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 32		020912	31.914	EPA8270
3-Nitroaniline	ug/Kg	< 32		020912	31.914	EPA8270
Acenaphthene	ug/Kg	< 32		020912	31.914	EPA8270
Dibenzofuran	ug/Kg	< 32		020912	31.914	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.08 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 32		020912	31.914	EPA8270
Diethyl Phthalate	ug/Kg	< 32		020912	31.914	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 32		020912	31.914	EPA8270
Fluorene	ug/Kg	< 32		020912	31.914	EPA8270
4-Nitroaniline	ug/Kg	< 32		020912	31.914	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 32		020912	31.914	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 32		020912	31.914	EPA8270
Hexachlorobenzene	ug/Kg	< 32		020912	31.914	EPA8270
Phenanthrene	ug/Kg	< 32		020912	31.914	EPA8270
Anthracene	ug/Kg	< 32		020912	31.914	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 32		020912	31.914	EPA8270
Fluoranthene	ug/Kg	< 32		020912	31.914	EPA8270
Pyrene	ug/Kg	< 32		020912	31.914	EPA8270
BenzylButylPhthalate	ug/Kg	< 32		020912	31.914	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 320		020912	319.14	EPA8270
Benzo(a)anthracene	ug/Kg	< 32		020912	31.914	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.08 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 32		020912	31.914	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 32		020912	31.914	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 32		020912	31.914	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 32		020912	31.914	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 32		020912	31.914	EPA8270
Benzo(a)pyrene	ug/Kg	< 32		020912	31.914	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 32		020912	31.914	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 32		020912	31.914	EPA8270
Benzo(ghi)perylene	ug/Kg	< 32		020912	31.914	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.08 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 32		020912	31.914	EPA8270
2-Chlorophenol	ug/Kg	< 32		020912	31.914	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 32		020912	31.914	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 32		020912	31.914	EPA8270
2-Nitrophenol	ug/Kg	< 32		020912	31.914	EPA8270
2,4-Dimethylphenol	ug/Kg	< 32		020912	31.914	EPA8270
2,4-Dichlorophenol	ug/Kg	< 32		020912	31.914	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 32		020912	31.914	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 32		020912	31.914	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 32		020912	31.914	EPA8270
2,4-Dinitrophenol	ug/Kg	< 320		020912	319.14	EPA8270
4-Nitrophenol	ug/Kg	< 320		020912	319.14	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 320		020912	319.14	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 320		020912	319.14	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.08 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	7400		020712	1.0638	EPA6010B
Antimony as Sb	mg/Kg	< 1.1		020712	1.0638	EPA6010B
Arsenic as As	mg/Kg	1.9		020712	1.0638	EPA6010B
Barium as Ba	mg/Kg	55		020712	0.5319	EPA6010B
Beryllium as Be	mg/Kg	0.54		020712	0.1063	EPA6010B
Cadmium as Cd	mg/Kg	< 0.53		020712	0.5319	EPA6010B
Calcium as Ca	mg/Kg	110		020712	21.276	EPA6010B
Chromium as Cr	mg/Kg	3.9		020712	0.5319	EPA6010B
Cobalt as Co	mg/Kg	2.3		020712	0.5319	EPA6010B
Copper as Cu	mg/Kg	1.9		020712	1.0638	EPA6010B
Iron as Fe	mg/Kg	5100		020712	1.0638	EPA6010B
Lead as Pb	mg/Kg	0.71		020712	0.5319	EPA6010B
Magnesium as Mg	mg/Kg	290		020712	0.5319	EPA6010B
Manganese as Mn	mg/Kg	83		020712	1.0638	EPA6010B
Mercury as Hg	mg/Kg	< 0.0043		020812	0.0042	EPA7471A
Nickel as Ni	mg/Kg	4.8		020712	1.0638	EPA6010B
Potassium as K	mg/Kg	190		020712	106.38	EPA6010B
Selenium as Se	mg/Kg	2.1		020712	1.0638	EPA6010B
Silver as Ag	mg/Kg	< 0.53		020712	0.5319	EPA6010B
Sodium as Na	mg/Kg	< 110		020712	106.38	EPA6010B
Thallium as Tl	mg/Kg	1.6		020712	1.0638	EPA6010B
Vanadium as V	mg/Kg	6.8		020712	0.5319	EPA6010B
Zinc as Zn	mg/Kg	10		020712	1.0638	EPA6010B

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.08 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.1		020812	2.1276	EPA8081
Heptachlor	ug/Kg	< 2.1		020812	2.1276	EPA8081
Aldrin	ug/Kg	< 2.1		020812	2.1276	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.1		020812	2.1276	EPA8081
p,p-DDE	ug/Kg	< 2.1		020812	2.1276	EPA8081
Dieldrin	ug/Kg	< 2.1		020812	2.1276	EPA8081
Endrin	ug/Kg	< 2.1	*	020812	2.1276	EPA8081
p,p-DDD	ug/Kg	< 2.1		020812	2.1276	EPA8081
p,p-DDT	ug/Kg	< 4.3		020812	4.2553	EPA8081
Chlordane	ug/Kg	< 8.5		020812	8.5106	EPA8081
Toxaphene	ug/Kg	< 43		020812	42.553	EPA8081
Endrin Aldehyde	ug/Kg	< 13		020812	12.765	EPA8081
a BHC	ug/Kg	< 2.1		020812	2.1276	EPA8081
b BHC	ug/Kg	< 2.1		020812	2.1276	EPA8081
d BHC	ug/Kg	< 2.1		020812	2.1276	EPA8081
Endosulfan 1	ug/Kg	< 4.3		020812	4.2553	EPA8081
Endosulfan 2	ug/Kg	< 4.3		020812	4.2553	EPA8081
Endosulfan Sulfate	ug/Kg	< 13		020812	12.765	EPA8081

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Endrin breakdown (16%) exceeded 15% QC limit.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.08 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/Kg	< 43		020812	42.553	EPA8082
Aroclor 1221	ug/Kg	< 43		020812	42.553	EPA8082
Aroclor 1232	ug/Kg	< 43		020812	42.553	EPA8082
Aroclor 1242	ug/Kg	< 43		020812	42.553	EPA8082
Aroclor 1248	ug/Kg	< 43		020812	42.553	EPA8082
Aroclor 1254	ug/Kg	< 43		020812	42.553	EPA8082
Aroclor 1260	ug/Kg	< 43		020812	42.553	EPA8082

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.09 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/Kg	< 6.2		020612	6.1728	EPA8260
Chloromethane	ug/Kg	< 6.2		020612	6.1728	EPA8260
Vinyl Chloride	ug/Kg	< 6.2		020612	6.1728	EPA8260
Bromomethane	ug/Kg	< 6.2		020612	6.1728	EPA8260
Chloroethane	ug/Kg	< 6.2		020612	6.1728	EPA8260
Trichlorofluoromethane	ug/Kg	< 6.2		020612	6.1728	EPA8260
1,1 Dichloroethene	ug/Kg	< 6.2		020612	6.1728	EPA8260
Methylene Chloride	ug/Kg	< 6.2		020612	6.1728	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 6.2		020612	6.1728	EPA8260
1,1 Dichloroethane	ug/Kg	< 6.2		020612	6.1728	EPA8260
2,2-Dichloropropane	ug/Kg	< 6.2		020612	6.1728	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 6.2		020612	6.1728	EPA8260
Bromochloromethane	ug/Kg	< 6.2		020612	6.1728	EPA8260
Chloroform	ug/Kg	< 6.2		020612	6.1728	EPA8260
111 Trichloroethane	ug/Kg	< 6.2		020612	6.1728	EPA8260
Carbon Tetrachloride	ug/Kg	< 6.2		020612	6.1728	EPA8260
1,1-Dichloropropene	ug/Kg	< 6.2		020612	6.1728	EPA8260
Benzene	ug/Kg	< 6.2		020612	6.1728	EPA8260
1,2 Dichloroethane	ug/Kg	< 6.2		020612	6.1728	EPA8260
Trichloroethene	ug/Kg	< 6.2		020612	6.1728	EPA8260
1,2 Dichloropropane	ug/Kg	< 6.2		020612	6.1728	EPA8260
Dibromomethane	ug/Kg	< 6.2		020612	6.1728	EPA8260
Bromodichloromethane	ug/Kg	< 6.2		020612	6.1728	EPA8260
c-1,3Dichloropropene	ug/Kg	< 6.2		020612	6.1728	EPA8260
Toluene	ug/Kg	< 6.2		020612	6.1728	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR ________

rn = 1827 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.09 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 6.2		020612	6.1728	EPA8260
112 Trichloroethane	ug/Kg	< 6.2		020612	6.1728	EPA8260
Tetrachloroethene	ug/Kg	< 6.2		020612	6.1728	EPA8260
1,3-Dichloropropane	ug/Kg	< 6.2		020612	6.1728	EPA8260
Chlorodibromomethane	ug/Kg	< 6.2		020612	6.1728	EPA8260
1,2 Dibromoethane	ug/Kg	< 6.2		020612	6.1728	EPA8260
Chlorobenzene	ug/Kg	< 6.2		020612	6.1728	EPA8260
Ethyl Benzene	ug/Kg	< 6.2		020612	6.1728	EPA8260
1112Tetrachloroethane	ug/Kg	< 6.2		020612	6.1728	EPA8260
m + p Xylene	ug/Kg	< 12		020612	12.345	EPA8260
o Xylene	ug/Kg	< 6.2		020612	6.1728	EPA8260
Styrene	ug/Kg	< 6.2		020612	6.1728	EPA8260
Bromoform	ug/Kg	< 6.2		020612	6.1728	EPA8260
Isopropylbenzene	ug/Kg	< 6.2		020612	6.1728	EPA8260
Bromobenzene	ug/Kg	< 6.2		020612	6.1728	EPA8260
1122Tetrachloroethane	ug/Kg	< 6.2		020612	6.1728	EPA8260
123-Trichloropropane	ug/Kg	< 6.2		020612	6.1728	EPA8260
n-Propylbenzene	ug/Kg	< 6.2		020612	6.1728	EPA8260
2-Chlorotoluene	ug/Kg	< 6.2		020612	6.1728	EPA8260
135-Trimethylbenzene	ug/Kg	< 6.2		020612	6.1728	EPA8260
4-Chlorotoluene	ug/Kg	< 6.2		020612	6.1728	EPA8260
tert-Butylbenzene	ug/Kg	< 6.2		020612	6.1728	EPA8260
124-Trimethylbenzene	ug/Kg	< 6.2		020612	6.1728	EPA8260
sec-Butylbenzene	ug/Kg	< 6.2		020612	6.1728	EPA8260
p-Isopropyltoluene	ug/Kg	< 6.2		020612	6.1728	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.H. Powell

rn = 1828 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.09 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 6.2		020612	6.1728	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 6.2		020612	6.1728	EPA8260
n-Butylbenzene	ug/Kg	< 6.2		020612	6.1728	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 6.2		020612	6.1728	EPA8260
Dibromochloropropane	ug/Kg	< 6.2		020612	6.1728	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 6.2		020612	6.1728	EPA8260
Hexachlorobutadiene	ug/Kg	< 6.2		020612	6.1728	EPA8260
Naphthalene(v)	ug/Kg	< 6.2		020612	6.1728	EPA8260
123-Trichlorobenzene	ug/Kg	< 6.2		020612	6.1728	EPA8260
ter.ButylMethylEther	ug/Kg	< 6.2		020612	6.1728	EPA8260
p-Ethyltoluene	ug/Kg	< 6.2		020612	6.1728	EPA8260
Freon 113	ug/Kg	< 6.2		020612	6.1728	EPA8260
1245 Tetramethylbenz	ug/Kg	< 6.2		020612	6.1728	EPA8260
Acetone	ug/Kg	< 62		020612	61.728	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 62		020612	61.728	EPA8260
Methylisobutylketone	ug/Kg	< 62		020612	61.728	EPA8260
Chlorodifluoromethane	ug/Kg	< 6.2		020612	6.1728	EPA8260
p Diethylbenzene	ug/Kg	< 6.2		020612	6.1728	EPA8260
% Solids		81		020312	0.1	182540G

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.09 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 37		021012	37.037	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 37		021012	37.037	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 37		021012	37.037	EPA8270
Carbazole	ug/Kg	< 37		021012	37.037	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 37		021012	37.037	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 37		021012	37.037	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 37		021012	37.037	EPA8270
Hexachloroethane	ug/Kg	< 37		021012	37.037	EPA8270
Nitrobenzene	ug/Kg	< 37		021012	37.037	EPA8270
Isophorone	ug/Kg	< 37		021012	37.037	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 37		021012	37.037	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 37		021012	37.037	EPA8270
Naphthalene(sv)	ug/Kg	< 37		021012	37.037	EPA8270
4-Chloroaniline	ug/Kg	< 37		021012	37.037	EPA8270
Hexachlorobutadiene	ug/Kg	< 37		021012	37.037	EPA8270
2-Methylnaphthalene	ug/Kg	< 37		021012	37.037	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 370		021012	370.37	EPA8270
2-Chloronaphthalene	ug/Kg	< 37		021012	37.037	EPA8270
2-Nitroaniline	ug/Kg	< 37		021012	37.037	EPA8270
Dimethyl Phthalate	ug/Kg	< 37		021012	37.037	EPA8270
Acenaphthylene	ug/Kg	< 37		021012	37.037	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 37		021012	37.037	EPA8270
3-Nitroaniline	ug/Kg	< 37		021012	37.037	EPA8270
Acenaphthene	ug/Kg	< 37		021012	37.037	EPA8270
Dibenzofuran	ug/Kg	< 37		021012	37.037	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.09 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 37		021012	37.037	EPA8270
Diethyl Phthalate	ug/Kg	< 37		021012	37.037	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 37		021012	37.037	EPA8270
Fluorene	ug/Kg	< 37		021012	37.037	EPA8270
4-Nitroaniline	ug/Kg	< 37		021012	37.037	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 37		021012	37.037	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 37		021012	37.037	EPA8270
Hexachlorobenzene	ug/Kg	< 37		021012	37.037	EPA8270
Phenanthrene	ug/Kg	38		021012	37.037	EPA8270
Anthracene	ug/Kg	< 37		021012	37.037	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 37		021012	37.037	EPA8270
Fluoranthene	ug/Kg	110		021012	37.037	EPA8270
Pyrene	ug/Kg	110		021012	37.037	EPA8270
BenzylButylPhthalate	ug/Kg	< 37		021012	37.037	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 370		021012	370.37	EPA8270
Benzo(a)anthracene	ug/Kg	60		021012	37.037	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

rn = 1831 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.09 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	86		021012	37.037	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	120		021012	37.037	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 37		021012	37.037	EPA8270
Benzo(b)fluoranthene	ug/Kg	98	J	021012	37.037	EPA8270
Benzo(k)fluoranthene	ug/Kg	62	J	021012	37.037	EPA8270
Benzo(a)pyrene	ug/Kg	62		021012	37.037	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 37		021012	37.037	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 37		021012	37.037	EPA8270
Benzo(ghi)perylene	ug/Kg	< 37		021012	37.037	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: J-Estimated due to unobtainable method requirement of a 50% split between peaks with the same isomers.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.09 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 37		021012	37.037	EPA8270
2-Chlorophenol	ug/Kg	< 37		021012	37.037	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 37		021012	37.037	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 37		021012	37.037	EPA8270
2-Nitrophenol	ug/Kg	< 37		021012	37.037	EPA8270
2,4-Dimethylphenol	ug/Kg	< 37		021012	37.037	EPA8270
2,4-Dichlorophenol	ug/Kg	< 37		021012	37.037	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 37		021012	37.037	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 37		021012	37.037	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 37		021012	37.037	EPA8270
2,4-Dinitrophenol	ug/Kg	< 370		021012	370.37	EPA8270
4-Nitrophenol	ug/Kg	< 370		021012	370.37	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 370		021012	370.37	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 370		021012	370.37	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.09 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	160		020712	1.2345	EPA6010B
Antimony as Sb	mg/Kg	< 1.2		020712	1.2345	EPA6010B
Arsenic as As	mg/Kg	< 1.2		020712	1.2345	EPA6010B
Barium as Ba	mg/Kg	1.2		020712	0.6172	EPA6010B
Beryllium as Be	mg/Kg	< 0.12		020712	0.1234	EPA6010B
Cadmium as Cd	mg/Kg	< 0.62		020712	0.6172	EPA6010B
Calcium as Ca	mg/Kg	< 25		020712	24.691	EPA6010B
Chromium as Cr	mg/Kg	1.5		020712	0.6172	EPA6010B
Cobalt as Co	mg/Kg	< 0.62		020712	0.6172	EPA6010B
Copper as Cu	mg/Kg	< 1.2		020712	1.2345	EPA6010B
Iron as Fe	mg/Kg	1400		020712	1.2345	EPA6010B
Lead as Pb	mg/Kg	1.6		020712	0.6172	EPA6010B
Magnesium as Mg	mg/Kg	48		020712	0.6172	EPA6010B
Manganese as Mn	mg/Kg	5.1		020712	1.2345	EPA6010B
Mercury as Hg	mg/Kg	< 0.0049		020812	0.0049	EPA7471A
Nickel as Ni	mg/Kg	< 1.2		020712	1.2345	EPA6010B
Potassium as K	mg/Kg	< 120		020712	123.45	EPA6010B
Selenium as Se	mg/Kg	< 1.2		020712	1.2345	EPA6010B
Silver as Ag	mg/Kg	< 0.62		020712	0.6172	EPA6010B
Sodium as Na	mg/Kg	< 120		020712	123.45	EPA6010B
Thallium as Tl	mg/Kg	< 1.2		020712	1.2345	EPA6010B
Vanadium as V	mg/Kg	1.2		020712	0.6172	EPA6010B
Zinc as Zn	mg/Kg	1.2		020712	1.2345	EPA6010B

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.09 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.5		020812	2.4691	EPA8081
Heptachlor	ug/Kg	< 2.5		020812	2.4691	EPA8081
Aldrin	ug/Kg	< 2.5		020812	2.4691	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.5		020812	2.4691	EPA8081
p,p-DDE	ug/Kg	< 2.5		020812	2.4691	EPA8081
Dieldrin	ug/Kg	< 2.5		020812	2.4691	EPA8081
Endrin	ug/Kg	< 2.5	*	020812	2.4691	EPA8081
p,p-DDD	ug/Kg	< 2.5		020812	2.4691	EPA8081
p,p-DDT	ug/Kg	< 4.9	*	020812	4.9382	EPA8081
Chlordane	ug/Kg	16		020812	9.8765	EPA8081
Toxaphene	ug/Kg	< 49		020812	49.382	EPA8081
Endrin Aldehyde	ug/Kg	< 15		020812	14.814	EPA8081
a BHC	ug/Kg	< 2.5		020812	2.4691	EPA8081
b BHC	ug/Kg	< 2.5		020812	2.4691	EPA8081
d BHC	ug/Kg	< 2.5		020812	2.4691	EPA8081
Endosulfan 1	ug/Kg	< 4.9		020812	4.9382	EPA8081
Endosulfan 2	ug/Kg	< 4.9		020812	4.9382	EPA8081
Endosulfan Sulfate	ug/Kg	< 15		020812	14.814	EPA8081

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Endrin breakdown (17%) exceeded 15% QC limit.
ppDDT breakdown (25%) exceeded 15% QC limit.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.09 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/Kg	< 49		020812	49.382	EPA8082
Aroclor 1221	ug/Kg	< 49		020812	49.382	EPA8082
Aroclor 1232	ug/Kg	< 49		020812	49.382	EPA8082
Aroclor 1242	ug/Kg	< 49		020812	49.382	EPA8082
Aroclor 1248	ug/Kg	< 49		020812	49.382	EPA8082
Aroclor 1254	ug/Kg	< 49		020812	49.382	EPA8082
Aroclor 1260	ug/Kg	< 49		020812	49.382	EPA8082

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

rn = 1836 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.10 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 11-13'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/Kg	< 5.9		020612	5.8823	EPA8260
Chloromethane	ug/Kg	< 5.9		020612	5.8823	EPA8260
Vinyl Chloride	ug/Kg	< 5.9		020612	5.8823	EPA8260
Bromomethane	ug/Kg	< 5.9		020612	5.8823	EPA8260
Chloroethane	ug/Kg	< 5.9		020612	5.8823	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.9		020612	5.8823	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.9		020612	5.8823	EPA8260
Methylene Chloride	ug/Kg	< 5.9		020612	5.8823	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.9		020612	5.8823	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.9		020612	5.8823	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.9		020612	5.8823	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.9		020612	5.8823	EPA8260
Bromochloromethane	ug/Kg	< 5.9		020612	5.8823	EPA8260
Chloroform	ug/Kg	< 5.9		020612	5.8823	EPA8260
111 Trichloroethane	ug/Kg	< 5.9		020612	5.8823	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.9		020612	5.8823	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.9		020612	5.8823	EPA8260
Benzene	ug/Kg	< 5.9		020612	5.8823	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.9		020612	5.8823	EPA8260
Trichloroethene	ug/Kg	< 5.9		020612	5.8823	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.9		020612	5.8823	EPA8260
Dibromomethane	ug/Kg	< 5.9		020612	5.8823	EPA8260
Bromodichloromethane	ug/Kg	< 5.9		020612	5.8823	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.9		020612	5.8823	EPA8260
Toluene	ug/Kg	< 5.9		020612	5.8823	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.10 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 11-13'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.9		020612	5.8823	EPA8260
112 Trichloroethane	ug/Kg	< 5.9		020612	5.8823	EPA8260
Tetrachloroethene	ug/Kg	< 5.9		020612	5.8823	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.9		020612	5.8823	EPA8260
Chlorodibromomethane	ug/Kg	< 5.9		020612	5.8823	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.9		020612	5.8823	EPA8260
Chlorobenzene	ug/Kg	< 5.9		020612	5.8823	EPA8260
Ethyl Benzene	ug/Kg	< 5.9		020612	5.8823	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.9		020612	5.8823	EPA8260
m + p Xylene	ug/Kg	< 12		020612	11.764	EPA8260
o Xylene	ug/Kg	< 5.9		020612	5.8823	EPA8260
Styrene	ug/Kg	< 5.9		020612	5.8823	EPA8260
Bromoform	ug/Kg	< 5.9		020612	5.8823	EPA8260
Isopropylbenzene	ug/Kg	< 5.9		020612	5.8823	EPA8260
Bromobenzene	ug/Kg	< 5.9		020612	5.8823	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.9		020612	5.8823	EPA8260
123-Trichloropropane	ug/Kg	< 5.9		020612	5.8823	EPA8260
n-Propylbenzene	ug/Kg	< 5.9		020612	5.8823	EPA8260
2-Chlorotoluene	ug/Kg	< 5.9		020612	5.8823	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.9		020612	5.8823	EPA8260
4-Chlorotoluene	ug/Kg	< 5.9		020612	5.8823	EPA8260
tert-Butylbenzene	ug/Kg	< 5.9		020612	5.8823	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.9		020612	5.8823	EPA8260
sec-Butylbenzene	ug/Kg	< 5.9		020612	5.8823	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.9		020612	5.8823	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.10 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 11-13'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.9		020612	5.8823	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.9		020612	5.8823	EPA8260
n-Butylbenzene	ug/Kg	< 5.9		020612	5.8823	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.9		020612	5.8823	EPA8260
Dibromochloropropane	ug/Kg	< 5.9		020612	5.8823	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.9		020612	5.8823	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.9		020612	5.8823	EPA8260
Naphthalene(v)	ug/Kg	< 5.9		020612	5.8823	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.9		020612	5.8823	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.9		020612	5.8823	EPA8260
p-Ethyltoluene	ug/Kg	< 5.9		020612	5.8823	EPA8260
Freon 113	ug/Kg	< 5.9		020612	5.8823	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.9		020612	5.8823	EPA8260
Acetone	ug/Kg	< 59		020612	58.823	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 59		020612	58.823	EPA8260
Methylisobutylketone	ug/Kg	< 59		020612	58.823	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.9		020612	5.8823	EPA8260
p Diethylbenzene	ug/Kg	< 5.9		020612	5.8823	EPA8260
% Solids		85		020312	0.1	182540G

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.10 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 11-13'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 35		021012	35.294	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 35		021012	35.294	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 35		021012	35.294	EPA8270
Carbazole	ug/Kg	< 35		021012	35.294	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 35		021012	35.294	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 35		021012	35.294	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 35		021012	35.294	EPA8270
Hexachloroethane	ug/Kg	< 35		021012	35.294	EPA8270
Nitrobenzene	ug/Kg	< 35		021012	35.294	EPA8270
Isophorone	ug/Kg	< 35		021012	35.294	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 35		021012	35.294	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 35		021012	35.294	EPA8270
Naphthalene(sv)	ug/Kg	< 35		021012	35.294	EPA8270
4-Chloroaniline	ug/Kg	< 35		021012	35.294	EPA8270
Hexachlorobutadiene	ug/Kg	< 35		021012	35.294	EPA8270
2-Methylnaphthalene	ug/Kg	< 35		021012	35.294	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 350		021012	352.94	EPA8270
2-Chloronaphthalene	ug/Kg	< 35		021012	35.294	EPA8270
2-Nitroaniline	ug/Kg	< 35		021012	35.294	EPA8270
Dimethyl Phthalate	ug/Kg	< 35		021012	35.294	EPA8270
Acenaphthylene	ug/Kg	< 35		021012	35.294	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 35		021012	35.294	EPA8270
3-Nitroaniline	ug/Kg	< 35		021012	35.294	EPA8270
Acenaphthene	ug/Kg	< 35		021012	35.294	EPA8270
Dibenzofuran	ug/Kg	< 35		021012	35.294	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.10 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 11-13'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 35		021012	35.294	EPA8270
Diethyl Phthalate	ug/Kg	< 35		021012	35.294	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 35		021012	35.294	EPA8270
Fluorene	ug/Kg	< 35		021012	35.294	EPA8270
4-Nitroaniline	ug/Kg	< 35		021012	35.294	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 35		021012	35.294	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 35		021012	35.294	EPA8270
Hexachlorobenzene	ug/Kg	< 35		021012	35.294	EPA8270
Phenanthrene	ug/Kg	< 35		021012	35.294	EPA8270
Anthracene	ug/Kg	< 35		021012	35.294	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 35		021012	35.294	EPA8270
Fluoranthene	ug/Kg	< 35		021012	35.294	EPA8270
Pyrene	ug/Kg	< 35		021012	35.294	EPA8270
BenzylButylPhthalate	ug/Kg	< 35		021012	35.294	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 350		021012	352.94	EPA8270
Benzo(a)anthracene	ug/Kg	< 35		021012	35.294	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.10 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 11-13'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 35		021012	35.294	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	390		021012	35.294	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 35		021012	35.294	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 35		021012	35.294	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 35		021012	35.294	EPA8270
Benzo(a)pyrene	ug/Kg	< 35		021012	35.294	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 35		021012	35.294	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 35		021012	35.294	EPA8270
Benzo(ghi)perylene	ug/Kg	< 35		021012	35.294	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR [signature]

rn = 1842 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.10 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 11-13'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 35		021012	35.294	EPA8270
2-Chlorophenol	ug/Kg	< 35		021012	35.294	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 35		021012	35.294	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 35		021012	35.294	EPA8270
2-Nitrophenol	ug/Kg	< 35		021012	35.294	EPA8270
2,4-Dimethylphenol	ug/Kg	< 35		021012	35.294	EPA8270
2,4-Dichlorophenol	ug/Kg	< 35		021012	35.294	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 35		021012	35.294	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 35		021012	35.294	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 35		021012	35.294	EPA8270
2,4-Dinitrophenol	ug/Kg	< 350		021012	352.94	EPA8270
4-Nitrophenol	ug/Kg	< 350		021012	352.94	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 350		021012	352.94	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 350		021012	352.94	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR TW Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.10 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 11-13'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	4900		020712	1.1764	EPA6010B
Antimony as Sb	mg/Kg	< 1.2		020712	1.1764	EPA6010B
Arsenic as As	mg/Kg	5.6		020712	1.1764	EPA6010B
Barium as Ba	mg/Kg	290		020712	2.9411	EPA6010B
Beryllium as Be	mg/Kg	0.73		020712	0.1176	EPA6010B
Cadmium as Cd	mg/Kg	< 0.59		020712	0.5882	EPA6010B
Calcium as Ca	mg/Kg	1000		020712	23.529	EPA6010B
Chromium as Cr	mg/Kg	13		020712	0.5882	EPA6010B
Cobalt as Co	mg/Kg	6.5		020712	0.5882	EPA6010B
Copper as Cu	mg/Kg	12		020712	1.1764	EPA6010B
Iron as Fe	mg/Kg	11000		020712	1.1764	EPA6010B
Lead as Pb	mg/Kg	7.2		020712	0.5882	EPA6010B
Magnesium as Mg	mg/Kg	2100		020712	0.5882	EPA6010B
Manganese as Mn	mg/Kg	120		020712	1.1764	EPA6010B
Mercury as Hg	mg/Kg	0.0081		020812	0.0047	EPA7471A
Nickel as Ni	mg/Kg	14		020712	1.1764	EPA6010B
Potassium as K	mg/Kg	1300		020712	588.23	EPA6010B
Selenium as Se	mg/Kg	1.9		020712	1.1764	EPA6010B
Silver as Ag	mg/Kg	< 0.59		020712	0.5882	EPA6010B
Sodium as Na	mg/Kg	200		020712	117.64	EPA6010B
Thallium as Tl	mg/Kg	< 1.2		020712	1.1764	EPA6010B
Vanadium as V	mg/Kg	18		020712	0.5882	EPA6010B
Zinc as Zn	mg/Kg	41		020712	1.1764	EPA6010B

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.10 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 11-13'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.4		020812	2.3529	EPA8081
Heptachlor	ug/Kg	< 2.4		020812	2.3529	EPA8081
Aldrin	ug/Kg	< 2.4		020812	2.3529	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.4		020812	2.3529	EPA8081
p,p-DDE	ug/Kg	< 2.4		020812	2.3529	EPA8081
Dieldrin	ug/Kg	< 2.4		020812	2.3529	EPA8081
Endrin	ug/Kg	< 2.4	*	020812	2.3529	EPA8081
p,p-DDD	ug/Kg	< 2.4		020812	2.3529	EPA8081
p,p-DDT	ug/Kg	< 4.7		020812	4.7058	EPA8081
Chlordane	ug/Kg	11		020812	9.4117	EPA8081
Toxaphene	ug/Kg	< 47		020812	47.058	EPA8081
Endrin Aldehyde	ug/Kg	< 14		020812	14.117	EPA8081
a BHC	ug/Kg	< 2.4		020812	2.3529	EPA8081
b BHC	ug/Kg	< 2.4		020812	2.3529	EPA8081
d BHC	ug/Kg	< 2.4		020812	2.3529	EPA8081
Endosulfan 1	ug/Kg	< 4.7		020812	4.7058	EPA8081
Endosulfan 2	ug/Kg	< 4.7		020812	4.7058	EPA8081
Endosulfan Sulfate	ug/Kg	< 14		020812	14.117	EPA8081

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Endrin breakdown (16%) exceeded 15% QC limit.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.10 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-5 11-13'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/Kg	< 47		020812	47.058	EPA8082
Aroclor 1221	ug/Kg	< 47		020812	47.058	EPA8082
Aroclor 1232	ug/Kg	< 47		020812	47.058	EPA8082
Aroclor 1242	ug/Kg	< 47		020812	47.058	EPA8082
Aroclor 1248	ug/Kg	< 47		020812	47.058	EPA8082
Aroclor 1254	ug/Kg	< 47		020812	47.058	EPA8082
Aroclor 1260	ug/Kg	< 47		020812	47.058	EPA8082

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.11 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chloromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Vinyl Chloride	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromomethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Methylene Chloride	ug/Kg	< 5.7		020612	5.6818	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromochloromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chloroform	ug/Kg	< 5.7		020612	5.6818	EPA8260
111 Trichloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Benzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Trichloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Dibromomethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromodichloromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Toluene	ug/Kg	< 5.7		020612	5.6818	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.11 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.7		020612	5.6818	EPA8260
112 Trichloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Tetrachloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chlorodibromomethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chlorobenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Ethyl Benzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
m + p Xylene	ug/Kg	< 11		020612	11.363	EPA8260
o Xylene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Styrene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromoform	ug/Kg	< 5.7		020612	5.6818	EPA8260
Isopropylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromobenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
123-Trichloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
n-Propylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
2-Chlorotoluene	ug/Kg	< 5.7		020612	5.6818	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
4-Chlorotoluene	ug/Kg	< 5.7		020612	5.6818	EPA8260
tert-Butylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
sec-Butylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.7		020612	5.6818	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

rn = 1848 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.11 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
n-Butylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
Dibromochloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Naphthalene(v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.7		020612	5.6818	EPA8260
p-Ethyltoluene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Freon 113	ug/Kg	< 5.7		020612	5.6818	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.7		020612	5.6818	EPA8260
Acetone	ug/Kg	< 57		020612	56.818	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 57		020612	56.818	EPA8260
Methylisobutylketone	ug/Kg	< 57		020612	56.818	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
p Diethylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
% Solids		88		020312	0.1	182540G

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.11 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 34		021012	34.090	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 34		021012	34.090	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 34		021012	34.090	EPA8270
Carbazole	ug/Kg	< 34		021012	34.090	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 34		021012	34.090	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 34		021012	34.090	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 34		021012	34.090	EPA8270
Hexachloroethane	ug/Kg	< 34		021012	34.090	EPA8270
Nitrobenzene	ug/Kg	< 34		021012	34.090	EPA8270
Isophorone	ug/Kg	< 34		021012	34.090	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 34		021012	34.090	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 34		021012	34.090	EPA8270
Naphthalene(sv)	ug/Kg	< 34		021012	34.090	EPA8270
4-Chloroaniline	ug/Kg	< 34		021012	34.090	EPA8270
Hexachlorobutadiene	ug/Kg	< 34		021012	34.090	EPA8270
2-Methylnaphthalene	ug/Kg	< 34		021012	34.090	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 340		021012	340.90	EPA8270
2-Chloronaphthalene	ug/Kg	< 34		021012	34.090	EPA8270
2-Nitroaniline	ug/Kg	< 34		021012	34.090	EPA8270
Dimethyl Phthalate	ug/Kg	< 34		021012	34.090	EPA8270
Acenaphthylene	ug/Kg	< 34		021012	34.090	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 34		021012	34.090	EPA8270
3-Nitroaniline	ug/Kg	< 34		021012	34.090	EPA8270
Acenaphthene	ug/Kg	< 34		021012	34.090	EPA8270
Dibenzofuran	ug/Kg	< 34		021012	34.090	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR ______________________

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.11 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 34		021012	34.090	EPA8270
Diethyl Phthalate	ug/Kg	< 34		021012	34.090	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 34		021012	34.090	EPA8270
Fluorene	ug/Kg	< 34		021012	34.090	EPA8270
4-Nitroaniline	ug/Kg	< 34		021012	34.090	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 34		021012	34.090	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 34		021012	34.090	EPA8270
Hexachlorobenzene	ug/Kg	< 34		021012	34.090	EPA8270
Phenanthrene	ug/Kg	< 34		021012	34.090	EPA8270
Anthracene	ug/Kg	< 34		021012	34.090	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 34		021012	34.090	EPA8270
Fluoranthene	ug/Kg	34		021012	34.090	EPA8270
Pyrene	ug/Kg	34		021012	34.090	EPA8270
BenzylButylPhthalate	ug/Kg	< 34		021012	34.090	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 340		021012	340.90	EPA8270
Benzo(a)anthracene	ug/Kg	< 34		021012	34.090	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.11 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 34		021012	34.090	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	43		021012	34.090	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 34		021012	34.090	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 34		021012	34.090	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 34		021012	34.090	EPA8270
Benzo(a)pyrene	ug/Kg	< 34		021012	34.090	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 34		021012	34.090	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 34		021012	34.090	EPA8270
Benzo(ghi)perylene	ug/Kg	< 34		021012	34.090	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.11 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 34		021012	34.090	EPA8270
2-Chlorophenol	ug/Kg	< 34		021012	34.090	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 34		021012	34.090	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 34		021012	34.090	EPA8270
2-Nitrophenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4-Dimethylphenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4-Dichlorophenol	ug/Kg	< 34		021012	34.090	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4-Dinitrophenol	ug/Kg	< 340		021012	340.90	EPA8270
4-Nitrophenol	ug/Kg	< 340		021012	340.90	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 340		021012	340.90	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 340		021012	340.90	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.11 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	10000		020712	1.1363	EPA6010B
Antimony as Sb	mg/Kg	< 1.1		020712	1.1363	EPA6010B
Arsenic as As	mg/Kg	6.5		020712	1.1363	EPA6010B
Barium as Ba	mg/Kg	73		020712	0.5681	EPA6010B
Beryllium as Be	mg/Kg	0.5		020712	0.1136	EPA6010B
Cadmium as Cd	mg/Kg	< 0.57		020712	0.5681	EPA6010B
Calcium as Ca	mg/Kg	940		020712	22.727	EPA6010B
Chromium as Cr	mg/Kg	16		020712	0.5681	EPA6010B
Cobalt as Co	mg/Kg	5.9		020712	0.5681	EPA6010B
Copper as Cu	mg/Kg	25		020712	1.1363	EPA6010B
Iron as Fe	mg/Kg	15000		020712	1.1363	EPA6010B
Lead as Pb	mg/Kg	26		020712	0.5681	EPA6010B
Magnesium as Mg	mg/Kg	3300		020712	0.5681	EPA6010B
Manganese as Mn	mg/Kg	190		020712	1.1363	EPA6010B
Mercury as Hg	mg/Kg	0.024		020812	0.0045	EPA7471A
Nickel as Ni	mg/Kg	16		020712	1.1363	EPA6010B
Potassium as K	mg/Kg	1100		020812	568.18	EPA6010B
Selenium as Se	mg/Kg	4.0		020712	1.1363	EPA6010B
Silver as Ag	mg/Kg	< 0.57		020712	0.5681	EPA6010B
Sodium as Na	mg/Kg	< 110		020712	113.63	EPA6010B
Thallium as Tl	mg/Kg	< 1.1		020712	1.1363	EPA6010B
Vanadium as V	mg/Kg	27		020712	0.5681	EPA6010B
Zinc as Zn	mg/Kg	56		020712	1.1363	EPA6010B

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.11 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.3		020812	2.2727	EPA8081
Heptachlor	ug/Kg	< 2.3		020812	2.2727	EPA8081
Aldrin	ug/Kg	< 2.3		020812	2.2727	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.3		020812	2.2727	EPA8081
p,p-DDE	ug/Kg	4.0		020812	2.2727	EPA8081
Dieldrin	ug/Kg	< 2.3		020812	2.2727	EPA8081
Endrin	ug/Kg	< 2.3	*	020812	2.2727	EPA8081
p,p-DDD	ug/Kg	< 2.3		020812	2.2727	EPA8081
p,p-DDT	ug/Kg	4.8	*	020812	4.5454	EPA8081
Chlordane	ug/Kg	< 9.1		020812	9.0909	EPA8081
Toxaphene	ug/Kg	< 45		020812	45.454	EPA8081
Endrin Aldehyde	ug/Kg	< 14		020812	13.636	EPA8081
a BHC	ug/Kg	< 2.3		020812	2.2727	EPA8081
b BHC	ug/Kg	< 2.3		020812	2.2727	EPA8081
d BHC	ug/Kg	< 2.3		020812	2.2727	EPA8081
Endosulfan 1	ug/Kg	< 4.5		020812	4.5454	EPA8081
Endosulfan 2	ug/Kg	< 4.5		020812	4.5454	EPA8081
Endosulfan Sulfate	ug/Kg	< 14		020812	13.636	EPA8081

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Endrin breakdown (17%) exceeded 15% QC limit.
ppDDT breakdown (25%) exceeded 15% QC limit.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.11 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 0-2'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1221	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1232	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1242	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1248	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1254	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1260	ug/Kg	< 45		020812	45.454	EPA8082

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR TW Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.12 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 12-14'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chloromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Vinyl Chloride	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromomethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Methylene Chloride	ug/Kg	< 5.7		020612	5.6818	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromochloromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chloroform	ug/Kg	< 5.7		020612	5.6818	EPA8260
111 Trichloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Benzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Trichloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Dibromomethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromodichloromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Toluene	ug/Kg	< 5.7		020612	5.6818	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.12 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 12-14'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.7		020612	5.6818	EPA8260
112 Trichloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Tetrachloroethene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chlorodibromomethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
Chlorobenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Ethyl Benzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
m + p Xylene	ug/Kg	< 11		020612	11.363	EPA8260
o Xylene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Styrene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromoform	ug/Kg	< 5.7		020612	5.6818	EPA8260
Isopropylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Bromobenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
123-Trichloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
n-Propylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
2-Chlorotoluene	ug/Kg	< 5.7		020612	5.6818	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
4-Chlorotoluene	ug/Kg	< 5.7		020612	5.6818	EPA8260
tert-Butylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
sec-Butylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.7		020612	5.6818	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

rn = 1858 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.12 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 12-14'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
n-Butylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
Dibromochloropropane	ug/Kg	< 5.7		020612	5.6818	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Naphthalene(v)	ug/Kg	< 5.7		020612	5.6818	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.7		020612	5.6818	EPA8260
p-Ethyltoluene	ug/Kg	< 5.7		020612	5.6818	EPA8260
Freon 113	ug/Kg	< 5.7		020612	5.6818	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.7		020612	5.6818	EPA8260
Acetone	ug/Kg	< 57		020612	56.818	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 57		020612	56.818	EPA8260
Methylisobutylketone	ug/Kg	< 57		020612	56.818	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.7		020612	5.6818	EPA8260
p Diethylbenzene	ug/Kg	< 5.7		020612	5.6818	EPA8260
% Solids		88		020312	0.1	182540G

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.12 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 12-14'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 34		021012	34.090	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 34		021012	34.090	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 34		021012	34.090	EPA8270
Carbazole	ug/Kg	< 34		021012	34.090	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 34		021012	34.090	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 34		021012	34.090	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 34		021012	34.090	EPA8270
Hexachloroethane	ug/Kg	< 34		021012	34.090	EPA8270
Nitrobenzene	ug/Kg	< 34		021012	34.090	EPA8270
Isophorone	ug/Kg	< 34		021012	34.090	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 34		021012	34.090	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 34		021012	34.090	EPA8270
Naphthalene(sv)	ug/Kg	< 34		021012	34.090	EPA8270
4-Chloroaniline	ug/Kg	< 34		021012	34.090	EPA8270
Hexachlorobutadiene	ug/Kg	< 34		021012	34.090	EPA8270
2-Methylnaphthalene	ug/Kg	< 34		021012	34.090	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 340		021012	340.90	EPA8270
2-Chloronaphthalene	ug/Kg	< 34		021012	34.090	EPA8270
2-Nitroaniline	ug/Kg	< 34		021012	34.090	EPA8270
Dimethyl Phthalate	ug/Kg	< 34		021012	34.090	EPA8270
Acenaphthylene	ug/Kg	< 34		021012	34.090	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 34		021012	34.090	EPA8270
3-Nitroaniline	ug/Kg	< 34		021012	34.090	EPA8270
Acenaphthene	ug/Kg	< 34		021012	34.090	EPA8270
Dibenzofuran	ug/Kg	< 34		021012	34.090	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR [signature]

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.12 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 12-14'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 34		021012	34.090	EPA8270
Diethyl Phthalate	ug/Kg	< 34		021012	34.090	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 34		021012	34.090	EPA8270
Fluorene	ug/Kg	< 34		021012	34.090	EPA8270
4-Nitroaniline	ug/Kg	< 34		021012	34.090	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 34		021012	34.090	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 34		021012	34.090	EPA8270
Hexachlorobenzene	ug/Kg	< 34		021012	34.090	EPA8270
Phenanthrene	ug/Kg	< 34		021012	34.090	EPA8270
Anthracene	ug/Kg	< 34		021012	34.090	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 34		021012	34.090	EPA8270
Fluoranthene	ug/Kg	< 34		021012	34.090	EPA8270
Pyrene	ug/Kg	< 34		021012	34.090	EPA8270
BenzylButylPhthalate	ug/Kg	< 34		021012	34.090	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 340		021012	340.90	EPA8270
Benzo(a)anthracene	ug/Kg	< 34		021012	34.090	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.H. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.12 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 12-14'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 34		021012	34.090	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 34		021012	34.090	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 34		021012	34.090	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 34		021012	34.090	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 34		021012	34.090	EPA8270
Benzo(a)pyrene	ug/Kg	< 34		021012	34.090	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 34		021012	34.090	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 34		021012	34.090	EPA8270
Benzo(ghi)perylene	ug/Kg	< 34		021012	34.090	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

rn = 1862 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.12 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 12-14'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 34		021012	34.090	EPA8270
2-Chlorophenol	ug/Kg	< 34		021012	34.090	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 34		021012	34.090	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 34		021012	34.090	EPA8270
2-Nitrophenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4-Dimethylphenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4-Dichlorophenol	ug/Kg	< 34		021012	34.090	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 34		021012	34.090	EPA8270
2,4-Dinitrophenol	ug/Kg	< 340		021012	340.90	EPA8270
4-Nitrophenol	ug/Kg	< 340		021012	340.90	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 340		021012	340.90	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 340		021012	340.90	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.12 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 12-14'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	7000		020712	1.1363	EPA6010B
Antimony as Sb	mg/Kg	< 1.1		020712	1.1363	EPA6010B
Arsenic as As	mg/Kg	4.0		020712	1.1363	EPA6010B
Barium as Ba	mg/Kg	84		020712	0.5681	EPA6010B
Beryllium as Be	mg/Kg	0.73		020712	0.1136	EPA6010B
Cadmium as Cd	mg/Kg	0.66		020712	0.5681	EPA6010B
Calcium as Ca	mg/Kg	520		020712	22.727	EPA6010B
Chromium as Cr	mg/Kg	14		020712	0.5681	EPA6010B
Cobalt as Co	mg/Kg	14		020712	0.5681	EPA6010B
Copper as Cu	mg/Kg	11		020712	1.1363	EPA6010B
Iron as Fe	mg/Kg	20000		020712	1.1363	EPA6010B
Lead as Pb	mg/Kg	6.7		020712	0.5681	EPA6010B
Magnesium as Mg	mg/Kg	3600		020712	0.5681	EPA6010B
Manganese as Mn	mg/Kg	580		020712	1.1363	EPA6010B
Mercury as Hg	mg/Kg	0.0086		020812	0.0045	EPA7471A
Nickel as Ni	mg/Kg	16		020712	1.1363	EPA6010B
Potassium as K	mg/Kg	1800		020812	568.18	EPA6010B
Selenium as Se	mg/Kg	6.7		020712	1.1363	EPA6010B
Silver as Ag	mg/Kg	< 0.57		020712	0.5681	EPA6010B
Sodium as Na	mg/Kg	< 110		020712	113.63	EPA6010B
Thallium as Tl	mg/Kg	< 1.1		020712	1.1363	EPA6010B
Vanadium as V	mg/Kg	18		020712	0.5681	EPA6010B
Zinc as Zn	mg/Kg	43		020712	1.1363	EPA6010B

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

rn = 1864 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.12 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 12-14'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.3		020812	2.2727	EPA8081
Heptachlor	ug/Kg	< 2.3		020812	2.2727	EPA8081
Aldrin	ug/Kg	< 2.3		020812	2.2727	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.3		020812	2.2727	EPA8081
p,p-DDE	ug/Kg	< 2.3		020812	2.2727	EPA8081
Dieldrin	ug/Kg	< 2.3		020812	2.2727	EPA8081
Endrin	ug/Kg	< 2.3	*	020812	2.2727	EPA8081
p,p-DDD	ug/Kg	< 2.3		020812	2.2727	EPA8081
p,p-DDT	ug/Kg	< 4.5		020812	4.5454	EPA8081
Chlordane	ug/Kg	< 9.1		020812	9.0909	EPA8081
Toxaphene	ug/Kg	< 45		020812	45.454	EPA8081
Endrin Aldehyde	ug/Kg	< 14		020812	13.636	EPA8081
a BHC	ug/Kg	< 2.3		020812	2.2727	EPA8081
b BHC	ug/Kg	< 2.3		020812	2.2727	EPA8081
d BHC	ug/Kg	< 2.3		020812	2.2727	EPA8081
Endosulfan 1	ug/Kg	< 4.5		020812	4.5454	EPA8081
Endosulfan 2	ug/Kg	< 4.5		020812	4.5454	EPA8081
Endosulfan Sulfate	ug/Kg	< 14		020812	13.636	EPA8081

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Endrin breakdown (16%) exceeded 15% QC limit.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.12 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-6 12-14'

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1221	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1232	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1242	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1248	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1254	ug/Kg	< 45		020812	45.454	EPA8082
Aroclor 1260	ug/Kg	< 45		020812	45.454	EPA8082

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

rn = 1866 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.13 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MS

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/Kg	17		020612	5.3191	EPA8260
Chloromethane	ug/Kg	21		020612	5.3191	EPA8260
Vinyl Chloride	ug/Kg	22		020612	5.3191	EPA8260
Bromomethane	ug/Kg	20		020612	5.3191	EPA8260
Chloroethane	ug/Kg	23		020612	5.3191	EPA8260
Trichlorofluoromethane	ug/Kg	22		020612	5.3191	EPA8260
1,1 Dichloroethene	ug/Kg	22		020612	5.3191	EPA8260
Methylene Chloride	ug/Kg	22		020612	5.3191	EPA8260
t-1,2-Dichloroethene	ug/Kg	23		020612	5.3191	EPA8260
1,1 Dichloroethane	ug/Kg	22		020612	5.3191	EPA8260
2,2-Dichloropropane	ug/Kg	23		020612	5.3191	EPA8260
c-1,2-Dichloroethene	ug/Kg	22		020612	5.3191	EPA8260
Bromochloromethane	ug/Kg	22		020612	5.3191	EPA8260
Chloroform	ug/Kg	23		020612	5.3191	EPA8260
111 Trichloroethane	ug/Kg	24		020612	5.3191	EPA8260
Carbon Tetrachloride	ug/Kg	24		020612	5.3191	EPA8260
1,1-Dichloropropene	ug/Kg	23		020612	5.3191	EPA8260
Benzene	ug/Kg	22		020612	5.3191	EPA8260
1,2 Dichloroethane	ug/Kg	23		020612	5.3191	EPA8260
Trichloroethene	ug/Kg	22		020612	5.3191	EPA8260
1,2 Dichloropropane	ug/Kg	23		020612	5.3191	EPA8260
Dibromomethane	ug/Kg	22		020612	5.3191	EPA8260
Bromodichloromethane	ug/Kg	22		020612	5.3191	EPA8260
c-1,3Dichloropropene	ug/Kg	22		020612	5.3191	EPA8260
Toluene	ug/Kg	23		020612	5.3191	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.13 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MS

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	21		020612	5.3191	EPA8260
112 Trichloroethane	ug/Kg	22		020612	5.3191	EPA8260
Tetrachloroethene	ug/Kg	23		020612	5.3191	EPA8260
1,3-Dichloropropane	ug/Kg	22		020612	5.3191	EPA8260
Chlorodibromomethane	ug/Kg	22		020612	5.3191	EPA8260
1,2 Dibromoethane	ug/Kg	22		020612	5.3191	EPA8260
Chlorobenzene	ug/Kg	22		020612	5.3191	EPA8260
Ethyl Benzene	ug/Kg	23		020612	5.3191	EPA8260
1112Tetrachloroethane	ug/Kg	22		020612	5.3191	EPA8260
m + p Xylene	ug/Kg	45		020612	10.638	EPA8260
o Xylene	ug/Kg	23		020612	5.3191	EPA8260
Styrene	ug/Kg	21		020612	5.3191	EPA8260
Bromoform	ug/Kg	22		020612	5.3191	EPA8260
Isopropylbenzene	ug/Kg	22		020612	5.3191	EPA8260
Bromobenzene	ug/Kg	22		020612	5.3191	EPA8260
1122Tetrachloroethane	ug/Kg	22		020612	5.3191	EPA8260
123-Trichloropropane	ug/Kg	22		020612	5.3191	EPA8260
n-Propylbenzene	ug/Kg	22		020612	5.3191	EPA8260
2-Chlorotoluene	ug/Kg	22		020612	5.3191	EPA8260
135-Trimethylbenzene	ug/Kg	23		020612	5.3191	EPA8260
4-Chlorotoluene	ug/Kg	22		020612	5.3191	EPA8260
tert-Butylbenzene	ug/Kg	23		020612	5.3191	EPA8260
124-Trimethylbenzene	ug/Kg	22		020612	5.3191	EPA8260
sec-Butylbenzene	ug/Kg	23		020612	5.3191	EPA8260
p-Isopropyltoluene	ug/Kg	22		020612	5.3191	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR [signature]

rn = 1868 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.13 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MS

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	23		020612	5.3191	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	22		020612	5.3191	EPA8260
n-Butylbenzene	ug/Kg	22		020612	5.3191	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	23		020612	5.3191	EPA8260
Dibromochloropropane	ug/Kg	23		020612	5.3191	EPA8260
124-Trichlorobenzene (v)	ug/Kg	23		020612	5.3191	EPA8260
Hexachlorobutadiene	ug/Kg	23		020612	5.3191	EPA8260
Naphthalene(v)	ug/Kg	21		020612	5.3191	EPA8260
123-Trichlorobenzene	ug/Kg	21		020612	5.3191	EPA8260
ter.ButylMethylEther	ug/Kg	22		020612	5.3191	EPA8260
p-Ethyltoluene	ug/Kg	22		020612	5.3191	EPA8260
Freon 113	ug/Kg	22		020612	5.3191	EPA8260
1245 Tetramethylbenz	ug/Kg	23		020612	5.3191	EPA8260
Acetone	ug/Kg	120		020612	53.191	EPA8260
Methyl Ethyl Ketone	ug/Kg	110		020612	53.191	EPA8260
Methylisobutylketone	ug/Kg	110		020612	53.191	EPA8260
Chlorodifluoromethane	ug/Kg	24		020612	5.3191	EPA8260
p Diethylbenzene	ug/Kg	22		020612	5.3191	EPA8260
% Solids		94		020312	0.1	182540G

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

rn = 1869 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.13 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MS

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	21		020912	31.914	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	21		020912	31.914	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	22		020912	31.914	EPA8270
Carbazole	ug/Kg	28		020912	31.914	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	22		020912	31.914	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	24		020912	31.914	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	26		020912	31.914	EPA8270
Hexachloroethane	ug/Kg	22		020912	31.914	EPA8270
Nitrobenzene	ug/Kg	22		020912	31.914	EPA8270
Isophorone	ug/Kg	25		020912	31.914	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	25		020912	31.914	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	23		020912	31.914	EPA8270
Naphthalene(sv)	ug/Kg	24		020912	31.914	EPA8270
4-Chloroaniline	ug/Kg	35		020912	31.914	EPA8270
Hexachlorobutadiene	ug/Kg	23		020912	31.914	EPA8270
2-Methylnaphthalene	ug/Kg	40		020912	31.914	EPA8270
Hexachlorocyclopentadiene	ug/Kg	21		020912	319.14	EPA8270
2-Chloronaphthalene	ug/Kg	25		020912	31.914	EPA8270
2-Nitroaniline	ug/Kg	47		020912	31.914	EPA8270
Dimethyl Phthalate	ug/Kg	26		020912	31.914	EPA8270
Acenaphthylene	ug/Kg	26		020912	31.914	EPA8270
2,6-Dinitrotoluene	ug/Kg	27		020912	31.914	EPA8270
3-Nitroaniline	ug/Kg	42		020912	31.914	EPA8270
Acenaphthene	ug/Kg	25		020912	31.914	EPA8270
Dibenzofuran	ug/Kg	42		020912	31.914	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.13 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MS

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	28		020912	31.914	EPA8270
Diethyl Phthalate	ug/Kg	27		020912	31.914	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	26		020912	31.914	EPA8270
Fluorene	ug/Kg	27		020912	31.914	EPA8270
4-Nitroaniline	ug/Kg	52		020912	31.914	EPA8270
N-Nitrosodiphenylamine	ug/Kg	27		020912	31.914	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	26		020912	31.914	EPA8270
Hexachlorobenzene	ug/Kg	26		020912	31.914	EPA8270
Phenanthrene	ug/Kg	26		020912	31.914	EPA8270
Anthracene	ug/Kg	26		020912	31.914	EPA8270
Di-n-Butyl Phthalate	ug/Kg	29		020912	31.914	EPA8270
Fluoranthene	ug/Kg	28		020912	31.914	EPA8270
Pyrene	ug/Kg	26		020912	31.914	EPA8270
BenzylButylPhthalate	ug/Kg	28		020912	31.914	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	39		020912	319.14	EPA8270
Benzo(a)anthracene	ug/Kg	28		020912	31.914	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.13 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MS

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	26		020912	31.914	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	25		020912	31.914	EPA8270
Di-n-octyl Phthalate	ug/Kg	27		020912	31.914	EPA8270
Benzo(b)fluoranthene	ug/Kg	29		020912	31.914	EPA8270
Benzo(k)fluoranthene	ug/Kg	25		020912	31.914	EPA8270
Benzo(a)pyrene	ug/Kg	27		020912	31.914	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	31		020912	31.914	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	31		020912	31.914	EPA8270
Benzo(ghi)perylene	ug/Kg	29		020912	31.914	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.13 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MS

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	41		020912	31.914	EPA8270
2-Chlorophenol	ug/Kg	41		020912	31.914	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	42		020912	31.914	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	43		020912	31.914	EPA8270
2-Nitrophenol	ug/Kg	41		020912	31.914	EPA8270
2,4-Dimethylphenol	ug/Kg	43		020912	31.914	EPA8270
2,4-Dichlorophenol	ug/Kg	43		020912	31.914	EPA8270
4-Chloro-3-methylphenol	ug/Kg	46		020912	31.914	EPA8270
2,4,6-Trichlorophenol	ug/Kg	43		020912	31.914	EPA8270
2,4,5-Trichlorophenol	ug/Kg	46		020912	31.914	EPA8270
2,4-Dinitrophenol	ug/Kg	39		020912	319.14	EPA8270
4-Nitrophenol	ug/Kg	46		020912	319.14	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	42		020912	319.14	EPA8270
Pentachlorophenol (ms)	ug/Kg	45		020912	319.14	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR TW Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.13 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MS

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	8200		020712	1.0638	EPA6010B
Antimony as Sb	mg/Kg	< 1.1		020712	1.0638	EPA6010B
Arsenic as As	mg/Kg	12		020712	1.0638	EPA6010B
Barium as Ba	mg/Kg	68		020712	0.5319	EPA6010B
Beryllium as Be	mg/Kg	11		020712	0.1063	EPA6010B
Cadmium as Cd	mg/Kg	10		020712	0.5319	EPA6010B
Calcium as Ca	mg/Kg	650		020712	21.276	EPA6010B
Chromium as Cr	mg/Kg	14		020712	0.5319	EPA6010B
Cobalt as Co	mg/Kg	13		020712	0.5319	EPA6010B
Copper as Cu	mg/Kg	12		020712	1.0638	EPA6010B
Iron as Fe	mg/Kg	6000		020712	1.0638	EPA6010B
Lead as Pb	mg/Kg	11		020712	0.5319	EPA6010B
Magnesium as Mg	mg/Kg	830		020712	0.5319	EPA6010B
Manganese as Mn	mg/Kg	120		020712	1.0638	EPA6010B
Mercury as Hg	mg/Kg	0.095		020812	0.0042	EPA7471A
Nickel as Ni	mg/Kg	15		020712	1.0638	EPA6010B
Potassium as K	mg/Kg	340		020712	106.38	EPA6010B
Selenium as Se	mg/Kg	13		020712	1.0638	EPA6010B
Silver as Ag	mg/Kg	1.8		020712	0.5319	EPA6010B
Sodium as Na	mg/Kg	230		020712	106.38	EPA6010B
Thallium as Tl	mg/Kg	10		020712	1.0638	EPA6010B
Vanadium as V	mg/Kg	17		020712	0.5319	EPA6010B
Zinc as Zn	mg/Kg	21		020712	1.0638	EPA6010B

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

rn = 1874 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.13 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MS

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	39		020812	2.1276	EPA8081
Heptachlor	ug/Kg	39		020812	2.1276	EPA8081
Aldrin	ug/Kg	37		020812	2.1276	EPA8081
Heptachlor Epoxide	ug/Kg	35		020812	2.1276	EPA8081
p,p-DDE	ug/Kg	38		020812	2.1276	EPA8081
Dieldrin	ug/Kg	38		020812	2.1276	EPA8081
Endrin	ug/Kg	40	*	020812	2.1276	EPA8081
p,p-DDD	ug/Kg	38		020812	2.1276	EPA8081
p,p-DDT	ug/Kg	38		020812	4.2553	EPA8081
Chlordane	ug/Kg	< 8.5		020812	8.5106	EPA8081
Toxaphene	ug/Kg	< 43		020812	42.553	EPA8081
Endrin Aldehyde	ug/Kg	33		020812	12.765	EPA8081
a BHC	ug/Kg	38		020812	2.1276	EPA8081
b BHC	ug/Kg	38		020812	2.1276	EPA8081
d BHC	ug/Kg	36		020812	2.1276	EPA8081
Endosulfan 1	ug/Kg	35		020812	4.2553	EPA8081
Endosulfan 2	ug/Kg	40		020812	4.2553	EPA8081
Endosulfan Sulfate	ug/Kg	37		020812	12.765	EPA8081

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.
*Endrin breakdown (16%) exceeded 15% QC limit.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.13 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MS

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/Kg	< 43		020812	42.553	EPA8082
Aroclor 1221	ug/Kg	< 43		020812	42.553	EPA8082
Aroclor 1232	ug/Kg	< 43		020812	42.553	EPA8082
Aroclor 1242	ug/Kg	< 43		020812	42.553	EPA8082
Aroclor 1248	ug/Kg	< 43		020812	42.553	EPA8082
Aroclor 1254	ug/Kg	< 43		020812	42.553	EPA8082
Aroclor 1260	ug/Kg	< 43		020812	42.553	EPA8082

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.14 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MSD

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/Kg	18		020612	5.3191	EPA8260
Chloromethane	ug/Kg	20		020612	5.3191	EPA8260
Vinyl Chloride	ug/Kg	20		020612	5.3191	EPA8260
Bromomethane	ug/Kg	20		020612	5.3191	EPA8260
Chloroethane	ug/Kg	21		020612	5.3191	EPA8260
Trichlorofluoromethane	ug/Kg	20		020612	5.3191	EPA8260
1,1 Dichloroethene	ug/Kg	21		020612	5.3191	EPA8260
Methylene Chloride	ug/Kg	20		020612	5.3191	EPA8260
t-1,2-Dichloroethene	ug/Kg	21		020612	5.3191	EPA8260
1,1 Dichloroethane	ug/Kg	20		020612	5.3191	EPA8260
2,2-Dichloropropane	ug/Kg	20		020612	5.3191	EPA8260
c-1,2-Dichloroethene	ug/Kg	20		020612	5.3191	EPA8260
Bromochloromethane	ug/Kg	21		020612	5.3191	EPA8260
Chloroform	ug/Kg	21		020612	5.3191	EPA8260
111 Trichloroethane	ug/Kg	21		020612	5.3191	EPA8260
Carbon Tetrachloride	ug/Kg	22		020612	5.3191	EPA8260
1,1-Dichloropropene	ug/Kg	22		020612	5.3191	EPA8260
Benzene	ug/Kg	21		020612	5.3191	EPA8260
1,2 Dichloroethane	ug/Kg	19		020612	5.3191	EPA8260
Trichloroethene	ug/Kg	21		020612	5.3191	EPA8260
1,2 Dichloropropane	ug/Kg	21		020612	5.3191	EPA8260
Dibromomethane	ug/Kg	20		020612	5.3191	EPA8260
Bromodichloromethane	ug/Kg	21		020612	5.3191	EPA8260
c-1,3Dichloropropene	ug/Kg	21		020612	5.3191	EPA8260
Toluene	ug/Kg	21		020612	5.3191	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.14 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MSD

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	21		020612	5.3191	EPA8260
112 Trichloroethane	ug/Kg	21		020612	5.3191	EPA8260
Tetrachloroethene	ug/Kg	21		020612	5.3191	EPA8260
1,3-Dichloropropane	ug/Kg	21		020612	5.3191	EPA8260
Chlorodibromomethane	ug/Kg	21		020612	5.3191	EPA8260
1,2 Dibromoethane	ug/Kg	21		020612	5.3191	EPA8260
Chlorobenzene	ug/Kg	21		020612	5.3191	EPA8260
Ethyl Benzene	ug/Kg	21		020612	5.3191	EPA8260
1112Tetrachloroethane	ug/Kg	21		020612	5.3191	EPA8260
m + p Xylene	ug/Kg	43		020612	10.638	EPA8260
o Xylene	ug/Kg	22		020612	5.3191	EPA8260
Styrene	ug/Kg	22		020612	5.3191	EPA8260
Bromoform	ug/Kg	21		020612	5.3191	EPA8260
Isopropylbenzene	ug/Kg	20		020612	5.3191	EPA8260
Bromobenzene	ug/Kg	20		020612	5.3191	EPA8260
1122Tetrachloroethane	ug/Kg	20		020612	5.3191	EPA8260
123-Trichloropropane	ug/Kg	21		020612	5.3191	EPA8260
n-Propylbenzene	ug/Kg	20		020612	5.3191	EPA8260
2-Chlorotoluene	ug/Kg	20		020612	5.3191	EPA8260
135-Trimethylbenzene	ug/Kg	21		020612	5.3191	EPA8260
4-Chlorotoluene	ug/Kg	20		020612	5.3191	EPA8260
tert-Butylbenzene	ug/Kg	21		020612	5.3191	EPA8260
124-Trimethylbenzene	ug/Kg	21		020612	5.3191	EPA8260
sec-Butylbenzene	ug/Kg	21		020612	5.3191	EPA8260
p-Isopropyltoluene	ug/Kg	21		020612	5.3191	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.14 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MSD

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	21		020612	5.3191	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	21		020612	5.3191	EPA8260
n-Butylbenzene	ug/Kg	21		020612	5.3191	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	21		020612	5.3191	EPA8260
Dibromochloropropane	ug/Kg	21		020612	5.3191	EPA8260
124-Trichlorobenzene (v)	ug/Kg	22		020612	5.3191	EPA8260
Hexachlorobutadiene	ug/Kg	23		020612	5.3191	EPA8260
Naphthalene(v)	ug/Kg	22		020612	5.3191	EPA8260
123-Trichlorobenzene	ug/Kg	21		020612	5.3191	EPA8260
ter.ButylMethylEther	ug/Kg	20		020612	5.3191	EPA8260
p-Ethyltoluene	ug/Kg	20		020612	5.3191	EPA8260
Freon 113	ug/Kg	20		020612	5.3191	EPA8260
1245 Tetramethylbenz	ug/Kg	22		020612	5.3191	EPA8260
Acetone	ug/Kg	110		020612	53.191	EPA8260
Methyl Ethyl Ketone	ug/Kg	110		020612	53.191	EPA8260
Methylisobutylketone	ug/Kg	100		020612	53.191	EPA8260
Chlorodifluoromethane	ug/Kg	25		020612	5.3191	EPA8260
p Diethylbenzene	ug/Kg	20		020612	5.3191	EPA8260
% Solids		94		020312	0.1	182540G

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.14 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MSD

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	26		020912	31.914	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	22		020912	31.914	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	22		020912	31.914	EPA8270
Carbazole	ug/Kg	29		020912	31.914	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	22		020912	31.914	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	24		020912	31.914	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	27		020912	31.914	EPA8270
Hexachloroethane	ug/Kg	22		020912	31.914	EPA8270
Nitrobenzene	ug/Kg	23		020912	31.914	EPA8270
Isophorone	ug/Kg	26		020912	31.914	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	25		020912	31.914	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	23		020912	31.914	EPA8270
Naphthalene(sv)	ug/Kg	24		020912	31.914	EPA8270
4-Chloroaniline	ug/Kg	36		020912	31.914	EPA8270
Hexachlorobutadiene	ug/Kg	23		020912	31.914	EPA8270
2-Methylnaphthalene	ug/Kg	41		020912	31.914	EPA8270
Hexachlorocyclopentadiene	ug/Kg	22		020912	319.14	EPA8270
2-Chloronaphthalene	ug/Kg	25		020912	31.914	EPA8270
2-Nitroaniline	ug/Kg	51		020912	31.914	EPA8270
Dimethyl Phthalate	ug/Kg	27		020912	31.914	EPA8270
Acenaphthylene	ug/Kg	26		020912	31.914	EPA8270
2,6-Dinitrotoluene	ug/Kg	28		020912	31.914	EPA8270
3-Nitroaniline	ug/Kg	43		020912	31.914	EPA8270
Acenaphthene	ug/Kg	25		020912	31.914	EPA8270
Dibenzofuran	ug/Kg	43		020912	31.914	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR TW Powell

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.14 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MSD

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	29		020912	31.914	EPA8270
Diethyl Phthalate	ug/Kg	28		020912	31.914	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	27		020912	31.914	EPA8270
Fluorene	ug/Kg	27		020912	31.914	EPA8270
4-Nitroaniline	ug/Kg	53		020912	31.914	EPA8270
N-Nitrosodiphenylamine	ug/Kg	28		020912	31.914	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	28		020912	31.914	EPA8270
Hexachlorobenzene	ug/Kg	27		020912	31.914	EPA8270
Phenanthrene	ug/Kg	27		020912	31.914	EPA8270
Anthracene	ug/Kg	28		020912	31.914	EPA8270
Di-n-Butyl Phthalate	ug/Kg	30		020912	31.914	EPA8270
Fluoranthene	ug/Kg	29		020912	31.914	EPA8270
Pyrene	ug/Kg	27		020912	31.914	EPA8270
BenzylButylPhthalate	ug/Kg	30		020912	31.914	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	42		020912	319.14	EPA8270
Benzo(a)anthracene	ug/Kg	28		020912	31.914	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.14 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MSD

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	28		020912	31.914	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	27		020912	31.914	EPA8270
Di-n-octyl Phthalate	ug/Kg	29		020912	31.914	EPA8270
Benzo(b)fluoranthene	ug/Kg	28		020912	31.914	EPA8270
Benzo(k)fluoranthene	ug/Kg	28		020912	31.914	EPA8270
Benzo(a)pyrene	ug/Kg	29		020912	31.914	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	30		020912	31.914	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	31		020912	31.914	EPA8270
Benzo(ghi)perylene	ug/Kg	28		020912	31.914	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.14 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MSD

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	42		020912	31.914	EPA8270
2-Chlorophenol	ug/Kg	42		020912	31.914	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	42		020912	31.914	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	44		020912	31.914	EPA8270
2-Nitrophenol	ug/Kg	44		020912	31.914	EPA8270
2,4-Dimethylphenol	ug/Kg	43		020912	31.914	EPA8270
2,4-Dichlorophenol	ug/Kg	45		020912	31.914	EPA8270
4-Chloro-3-methylphenol	ug/Kg	48		020912	31.914	EPA8270
2,4,6-Trichlorophenol	ug/Kg	45		020912	31.914	EPA8270
2,4,5-Trichlorophenol	ug/Kg	48		020912	31.914	EPA8270
2,4-Dinitrophenol	ug/Kg	45		020912	319.14	EPA8270
4-Nitrophenol	ug/Kg	49		020912	319.14	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	48		020912	319.14	EPA8270
Pentachlorophenol (ms)	ug/Kg	49		020912	319.14	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.14 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MSD

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	8600		020712	1.0638	EPA6010B
Antimony as Sb	mg/Kg	1.5		020712	1.0638	EPA6010B
Arsenic as As	mg/Kg	12		020712	1.0638	EPA6010B
Barium as Ba	mg/Kg	64		020712	0.5319	EPA6010B
Beryllium as Be	mg/Kg	11		020712	0.1063	EPA6010B
Cadmium as Cd	mg/Kg	11		020712	0.5319	EPA6010B
Calcium as Ca	mg/Kg	670		020712	21.276	EPA6010B
Chromium as Cr	mg/Kg	14		020712	0.5319	EPA6010B
Cobalt as Co	mg/Kg	12		020712	0.5319	EPA6010B
Copper as Cu	mg/Kg	12		020712	1.0638	EPA6010B
Iron as Fe	mg/Kg	5900		020712	1.0638	EPA6010B
Lead as Pb	mg/Kg	11		020712	0.5319	EPA6010B
Magnesium as Mg	mg/Kg	850		020712	0.5319	EPA6010B
Manganese as Mn	mg/Kg	91		020712	1.0638	EPA6010B
Mercury as Hg	mg/Kg	0.091		020812	0.0042	EPA7471A
Nickel as Ni	mg/Kg	15		020712	1.0638	EPA6010B
Potassium as K	mg/Kg	360		020712	106.38	EPA6010B
Selenium as Se	mg/Kg	13		020712	1.0638	EPA6010B
Silver as Ag	mg/Kg	1.9		020712	0.5319	EPA6010B
Sodium as Na	mg/Kg	260		020712	106.38	EPA6010B
Thallium as Tl	mg/Kg	9.6		020712	1.0638	EPA6010B
Vanadium as V	mg/Kg	17		020712	0.5319	EPA6010B
Zinc as Zn	mg/Kg	21		020712	1.0638	EPA6010B

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.14 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island; EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MSD

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	27		020812	2.1276	EPA8081
Heptachlor	ug/Kg	27		020812	2.1276	EPA8081
Aldrin	ug/Kg	26		020812	2.1276	EPA8081
Heptachlor Epoxide	ug/Kg	26	*	020812	2.1276	EPA8081
p,p-DDE	ug/Kg	26	*	020812	2.1276	EPA8081
Dieldrin	ug/Kg	27	*	020812	2.1276	EPA8081
Endrin	ug/Kg	28	*	020812	2.1276	EPA8081
p,p-DDD	ug/Kg	27	*	020812	2.1276	EPA8081
p,p-DDT	ug/Kg	27	*	020812	4.2553	EPA8081
Chlordane	ug/Kg	< 8.5		020812	8.5106	EPA8081
Toxaphene	ug/Kg	< 43		020812	42.553	EPA8081
Endrin Aldehyde	ug/Kg	22		020812	12.765	EPA8081
a BHC	ug/Kg	27		020812	2.1276	EPA8081
b BHC	ug/Kg	27	*	020812	2.1276	EPA8081
d BHC	ug/Kg	26		020812	2.1276	EPA8081
Endosulfan 1	ug/Kg	23	*	020812	4.2553	EPA8081
Endosulfan 2	ug/Kg	29	*	020812	4.2553	EPA8081
Endosulfan Sulfate	ug/Kg	24	*	020812	12.765	EPA8081

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.
*Endrin breakdown (16%) exceeded 15% QC limit.
Spike recovery was below QC limit.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.14 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-4 10-12', MSD

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/Kg	< 43		020812	42.553	EPA8082
Aroclor 1221	ug/Kg	< 43		020812	42.553	EPA8082
Aroclor 1232	ug/Kg	< 43		020812	42.553	EPA8082
Aroclor 1242	ug/Kg	< 43		020812	42.553	EPA8082
Aroclor 1248	ug/Kg	< 43		020812	42.553	EPA8082
Aroclor 1254	ug/Kg	< 43		020812	42.553	EPA8082
Aroclor 1260	ug/Kg	< 43		020812	42.553	EPA8082

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.15 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8', Field Duplicate

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Chloromethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Vinyl Chloride	ug/Kg	< 5.5		020612	5.4945	EPA8260
Bromomethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Chloroethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Trichlorofluoromethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
1,1 Dichloroethene	ug/Kg	< 5.5		020612	5.4945	EPA8260
Methylene Chloride	ug/Kg	< 5.5		020612	5.4945	EPA8260
t-1,2-Dichloroethene	ug/Kg	< 5.5		020612	5.4945	EPA8260
1,1 Dichloroethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
2,2-Dichloropropane	ug/Kg	< 5.5		020612	5.4945	EPA8260
c-1,2-Dichloroethene	ug/Kg	< 5.5		020612	5.4945	EPA8260
Bromochloromethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Chloroform	ug/Kg	< 5.5		020612	5.4945	EPA8260
111 Trichloroethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Carbon Tetrachloride	ug/Kg	< 5.5		020612	5.4945	EPA8260
1,1-Dichloropropene	ug/Kg	< 5.5		020612	5.4945	EPA8260
Benzene	ug/Kg	< 5.5		020612	5.4945	EPA8260
1,2 Dichloroethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Trichloroethene	ug/Kg	< 5.5		020612	5.4945	EPA8260
1,2 Dichloropropane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Dibromomethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
Bromodichloromethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
c-1,3Dichloropropene	ug/Kg	< 5.5		020612	5.4945	EPA8260
Toluene	ug/Kg	< 5.5		020612	5.4945	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR *T.W. Powell*

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.15 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8', Field Duplicate

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE OF ANALYSIS	TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/Kg	< 5.5		020612		5.4945	EPA8260
112 Trichloroethane	ug/Kg	< 5.5		020612		5.4945	EPA8260
Tetrachloroethene	ug/Kg	< 5.5		020612		5.4945	EPA8260
1,3-Dichloropropane	ug/Kg	< 5.5		020612		5.4945	EPA8260
Chlorodibromomethane	ug/Kg	< 5.5		020612		5.4945	EPA8260
1,2 Dibromoethane	ug/Kg	< 5.5		020612		5.4945	EPA8260
Chlorobenzene	ug/Kg	< 5.5		020612		5.4945	EPA8260
Ethyl Benzene	ug/Kg	< 5.5		020612		5.4945	EPA8260
1112Tetrachloroethane	ug/Kg	< 5.5		020612		5.4945	EPA8260
m + p Xylene	ug/Kg	< 11		020612		10.989	EPA8260
o Xylene	ug/Kg	< 5.5		020612		5.4945	EPA8260
Styrene	ug/Kg	< 5.5		020612		5.4945	EPA8260
Bromoform	ug/Kg	< 5.5		020612		5.4945	EPA8260
Isopropylbenzene	ug/Kg	< 5.5		020612		5.4945	EPA8260
Bromobenzene	ug/Kg	< 5.5		020612		5.4945	EPA8260
1122Tetrachloroethane	ug/Kg	< 5.5		020612		5.4945	EPA8260
123-Trichloropropane	ug/Kg	< 5.5		020612		5.4945	EPA8260
n-Propylbenzene	ug/Kg	< 5.5		020612		5.4945	EPA8260
2-Chlorotoluene	ug/Kg	< 5.5		020612		5.4945	EPA8260
135-Trimethylbenzene	ug/Kg	< 5.5		020612		5.4945	EPA8260
4-Chlorotoluene	ug/Kg	< 5.5		020612		5.4945	EPA8260
tert-Butylbenzene	ug/Kg	< 5.5		020612		5.4945	EPA8260
124-Trimethylbenzene	ug/Kg	< 5.5		020612		5.4945	EPA8260
sec-Butylbenzene	ug/Kg	< 5.5		020612		5.4945	EPA8260
p-Isopropyltoluene	ug/Kg	< 5.5		020612		5.4945	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.15 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8', Field Duplicate

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/Kg	< 5.5		020612	5.4945	EPA8260
1,4 Dichlorobenzene (v)	ug/Kg	< 5.5		020612	5.4945	EPA8260
n-Butylbenzene	ug/Kg	< 5.5		020612	5.4945	EPA8260
1,2 Dichlorobenzene (v)	ug/Kg	< 5.5		020612	5.4945	EPA8260
Dibromochloropropane	ug/Kg	< 5.5		020612	5.4945	EPA8260
124-Trichlorobenzene (v)	ug/Kg	< 5.5		020612	5.4945	EPA8260
Hexachlorobutadiene	ug/Kg	< 5.5		020612	5.4945	EPA8260
Naphthalene(v)	ug/Kg	< 5.5		020612	5.4945	EPA8260
123-Trichlorobenzene	ug/Kg	< 5.5		020612	5.4945	EPA8260
ter.ButylMethylEther	ug/Kg	< 5.5		020612	5.4945	EPA8260
p-Ethyltoluene	ug/Kg	< 5.5		020612	5.4945	EPA8260
Freon 113	ug/Kg	< 5.5		020612	5.4945	EPA8260
1245 Tetramethylbenz	ug/Kg	< 5.5		020612	5.4945	EPA8260
Acetone	ug/Kg	< 55		020612	54.945	EPA8260
Methyl Ethyl Ketone	ug/Kg	< 55		020612	54.945	EPA8260
Methylisobutylketone	ug/Kg	< 55		020612	54.945	EPA8260
Chlorodifluoromethane	ug/Kg	< 5.5		020612	5.4945	EPA8260
p Diethylbenzene	ug/Kg	< 5.5		020612	5.4945	EPA8260
% Solids		91		020312	0.1	182540G

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.15 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8', Field Duplicate

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/Kg	< 33		021012	32.967	EPA8270
1,3 Dichlorobenzene(sv)	ug/Kg	< 33		021012	32.967	EPA8270
1,4 Dichlorobenzene(sv)	ug/Kg	< 33		021012	32.967	EPA8270
Carbazole	ug/Kg	< 33		021012	32.967	EPA8270
1,2 Dichlorobenzene(sv)	ug/Kg	< 33		021012	32.967	EPA8270
Bis(2-chloroisopropyl)ether	ug/Kg	< 33		021012	32.967	EPA8270
N-Nitrosodi-n-propylamine	ug/Kg	< 33		021012	32.967	EPA8270
Hexachloroethane	ug/Kg	< 33		021012	32.967	EPA8270
Nitrobenzene	ug/Kg	< 33		021012	32.967	EPA8270
Isophorone	ug/Kg	< 33		021012	32.967	EPA8270
Bis(2-chloroethoxy)methane	ug/Kg	< 33		021012	32.967	EPA8270
124-Trichlorobenzene (sv)	ug/Kg	< 33		021012	32.967	EPA8270
Naphthalene(sv)	ug/Kg	< 33		021012	32.967	EPA8270
4-Chloroaniline	ug/Kg	< 33		021012	32.967	EPA8270
Hexachlorobutadiene	ug/Kg	< 33		021012	32.967	EPA8270
2-Methylnaphthalene	ug/Kg	< 33		021012	32.967	EPA8270
Hexachlorocyclopentadiene	ug/Kg	< 330		021012	329.67	EPA8270
2-Chloronaphthalene	ug/Kg	< 33		021012	32.967	EPA8270
2-Nitroaniline	ug/Kg	< 33		021012	32.967	EPA8270
Dimethyl Phthalate	ug/Kg	< 33		021012	32.967	EPA8270
Acenaphthylene	ug/Kg	< 33		021012	32.967	EPA8270
2,6-Dinitrotoluene	ug/Kg	< 33		021012	32.967	EPA8270
3-Nitroaniline	ug/Kg	< 33		021012	32.967	EPA8270
Acenaphthene	ug/Kg	< 33		021012	32.967	EPA8270
Dibenzofuran	ug/Kg	< 33		021012	32.967	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell

DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.15 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8', Field Duplicate

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/Kg	< 33		021012	32.967	EPA8270
Diethyl Phthalate	ug/Kg	< 33		021012	32.967	EPA8270
4-Chlorophenyl phenyl ether	ug/Kg	< 33		021012	32.967	EPA8270
Fluorene	ug/Kg	< 33		021012	32.967	EPA8270
4-Nitroaniline	ug/Kg	< 33		021012	32.967	EPA8270
N-Nitrosodiphenylamine	ug/Kg	< 33		021012	32.967	EPA8270
4-Bromophenyl phenyl ether	ug/Kg	< 33		021012	32.967	EPA8270
Hexachlorobenzene	ug/Kg	< 33		021012	32.967	EPA8270
Phenanthrene	ug/Kg	< 33		021012	32.967	EPA8270
Anthracene	ug/Kg	< 33		021012	32.967	EPA8270
Di-n-Butyl Phthalate	ug/Kg	< 33		021012	32.967	EPA8270
Fluoranthene	ug/Kg	< 33		021012	32.967	EPA8270
Pyrene	ug/Kg	< 33		021012	32.967	EPA8270
BenzylButylPhthalate	ug/Kg	< 33		021012	32.967	EPA8270
3,3'-Dichlorobenzidine	ug/Kg	< 330		021012	329.67	EPA8270
Benzo(a)anthracene	ug/Kg	< 33		021012	32.967	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.15 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8', Field Duplicate

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/Kg	< 33		021012	32.967	EPA8270
Bis(2-ethylhexyl)phthalate	ug/Kg	< 33		021012	32.967	EPA8270
Di-n-octyl Phthalate	ug/Kg	< 33		021012	32.967	EPA8270
Benzo(b)fluoranthene	ug/Kg	< 33		021012	32.967	EPA8270
Benzo(k)fluoranthene	ug/Kg	< 33		021012	32.967	EPA8270
Benzo(a)pyrene	ug/Kg	< 33		021012	32.967	EPA8270
Indeno(1,2,3-cd)pyrene	ug/Kg	< 33		021012	32.967	EPA8270
Dibenzo(a,h)anthracene	ug/Kg	< 33		021012	32.967	EPA8270
Benzo(ghi)perylene	ug/Kg	< 33		021012	32.967	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

rn = 1906 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.15 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8', Field Duplicate

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/Kg	< 33		021012	32.967	EPA8270
2-Chlorophenol	ug/Kg	< 33		021012	32.967	EPA8270
2-Methylphenol (o-cresol)	ug/Kg	< 33		021012	32.967	EPA8270
4-Methylphenol (p-cresol)	ug/Kg	< 33		021012	32.967	EPA8270
2-Nitrophenol	ug/Kg	< 33		021012	32.967	EPA8270
2,4-Dimethylphenol	ug/Kg	< 33		021012	32.967	EPA8270
2,4-Dichlorophenol	ug/Kg	< 33		021012	32.967	EPA8270
4-Chloro-3-methylphenol	ug/Kg	< 33		021012	32.967	EPA8270
2,4,6-Trichlorophenol	ug/Kg	< 33		021012	32.967	EPA8270
2,4,5-Trichlorophenol	ug/Kg	< 33		021012	32.967	EPA8270
2,4-Dinitrophenol	ug/Kg	< 330		021012	329.67	EPA8270
4-Nitrophenol	ug/Kg	< 330		021012	329.67	EPA8270
2-Methyl-4,6-dinitrophenol	ug/Kg	< 330		021012	329.67	EPA8270
Pentachlorophenol (ms)	ug/Kg	< 330		021012	329.67	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.15 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8', Field Duplicate

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/Kg	7000		020712	1.0989	EPA6010B
Antimony as Sb	mg/Kg	< 1.1		020712	1.0989	EPA6010B
Arsenic as As	mg/Kg	< 1.1		020712	1.0989	EPA6010B
Barium as Ba	mg/Kg	22		020712	0.5494	EPA6010B
Beryllium as Be	mg/Kg	0.66		020712	0.1098	EPA6010B
Cadmium as Cd	mg/Kg	< 0.55		020712	0.5494	EPA6010B
Calcium as Ca	mg/Kg	180		020712	21.978	EPA6010B
Chromium as Cr	mg/Kg	5.5		020712	0.5494	EPA6010B
Cobalt as Co	mg/Kg	4.2		020712	0.5494	EPA6010B
Copper as Cu	mg/Kg	3.6		020712	1.0989	EPA6010B
Iron as Fe	mg/Kg	7400		020712	1.0989	EPA6010B
Lead as Pb	mg/Kg	1.8		020712	0.5494	EPA6010B
Magnesium as Mg	mg/Kg	310		020712	0.5494	EPA6010B
Manganese as Mn	mg/Kg	130		020712	1.0989	EPA6010B
Mercury as Hg	mg/Kg	0.0045		020812	0.0043	EPA7471A
Nickel as Ni	mg/Kg	6.5		020712	1.0989	EPA6010B
Potassium as K	mg/Kg	210		020712	109.89	EPA6010B
Selenium as Se	mg/Kg	3.2		020712	1.0989	EPA6010B
Silver as Ag	mg/Kg	< 0.55		020712	0.5494	EPA6010B
Sodium as Na	mg/Kg	< 110		020712	109.89	EPA6010B
Thallium as Tl	mg/Kg	1.1		020712	1.0989	EPA6010B
Vanadium as V	mg/Kg	10		020712	0.5494	EPA6010B
Zinc as Zn	mg/Kg	12		020712	1.0989	EPA6010B

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.15 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8', Field Duplicate

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/Kg	< 2.2		020812	2.1978	EPA8081
Heptachlor	ug/Kg	< 2.2		020812	2.1978	EPA8081
Aldrin	ug/Kg	< 2.2		020812	2.1978	EPA8081
Heptachlor Epoxide	ug/Kg	< 2.2		020812	2.1978	EPA8081
p,p-DDE	ug/Kg	< 2.2		020812	2.1978	EPA8081
Dieldrin	ug/Kg	< 2.2		020812	2.1978	EPA8081
Endrin	ug/Kg	< 2.2	*	020812	2.1978	EPA8081
p,p-DDD	ug/Kg	< 2.2		020812	2.1978	EPA8081
p,p-DDT	ug/Kg	< 4.4		020812	4.3956	EPA8081
Chlordane	ug/Kg	< 8.8		020812	8.7912	EPA8081
Toxaphene	ug/Kg	< 44		020812	43.956	EPA8081
Endrin Aldehyde	ug/Kg	< 13		020812	13.186	EPA8081
a BHC	ug/Kg	< 2.2		020812	2.1978	EPA8081
b BHC	ug/Kg	< 2.2		020812	2.1978	EPA8081
d BHC	ug/Kg	< 2.2		020812	2.1978	EPA8081
Endosulfan 1	ug/Kg	< 4.4		020812	4.3956	EPA8081
Endosulfan 2	ug/Kg	< 4.4		020812	4.3956	EPA8081
Endosulfan Sulfate	ug/Kg	< 13		020812	13.186	EPA8081

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Endrin breakdown (16%) exceeded 15% QC limit.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120400.15 02/13/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12

MATRIX:Soil SAMPLE: B-2 6-8', Field Duplicate

Results reported on a dry weight basis

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/Kg	< 44		020812	43.956	EPA8082
Aroclor 1221	ug/Kg	< 44		020812	43.956	EPA8082
Aroclor 1232	ug/Kg	< 44		020812	43.956	EPA8082
Aroclor 1242	ug/Kg	< 44		020812	43.956	EPA8082
Aroclor 1248	ug/Kg	< 44		020812	43.956	EPA8082
Aroclor 1254	ug/Kg	< 44		020812	43.956	EPA8082
Aroclor 1260	ug/Kg	< 44		020812	43.956	EPA8082

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

rn = 1910 NYSDOH ID # 10320

Appendix F

Laboratory Data Deliverables for Groundwater Analytical Data

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.01 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		032112	1	EPA8260
Chloromethane	ug/L	< 1		032112	1	EPA8260
Vinyl Chloride	ug/L	< 1		032112	1	EPA8260
Bromomethane	ug/L	< 1		032112	1	EPA8260
Chloroethane	ug/L	< 1		032112	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		032112	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		032112	1	EPA8260
Methylene Chloride	ug/L	< 1		032112	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		032112	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		032112	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		032112	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		032112	1	EPA8260
Bromochloromethane	ug/L	< 1		032112	1	EPA8260
Chloroform	ug/L	2		032112	1	EPA8260
111 Trichloroethane	ug/L	< 1		032112	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		032112	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		032112	1	EPA8260
Benzene	ug/L	< 1		032112	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		032112	1	EPA8260
Trichloroethene	ug/L	< 1		032112	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		032112	1	EPA8260
Dibromomethane	ug/L	< 1		032112	1	EPA8260
Bromodichloromethane	ug/L	< 1		032112	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		032112	1	EPA8260
Toluene	ug/L	< 1		032112	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.01 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		032112	1	EPA8260
112 Trichloroethane	ug/L	< 1		032112	1	EPA8260
Tetrachloroethene	ug/L	< 1		032112	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		032112	1	EPA8260
Chlorodibromomethane	ug/L	< 1		032112	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		032112	1	EPA8260
Chlorobenzene	ug/L	< 1		032112	1	EPA8260
Ethyl Benzene	ug/L	< 1		032112	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		032112	1	EPA8260
m + p Xylene	ug/L	< 2		032112	2	EPA8260
o Xylene	ug/L	< 1		032112	1	EPA8260
Styrene	ug/L	< 1		032112	1	EPA8260
Bromoform	ug/L	< 1		032112	1	EPA8260
Isopropylbenzene	ug/L	< 1		032112	1	EPA8260
Bromobenzene	ug/L	< 1		032112	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		032112	1	EPA8260
123-Trichloropropane	ug/L	< 1		032112	1	EPA8260
n-Propylbenzene	ug/L	< 1		032112	1	EPA8260
2-Chlorotoluene	ug/L	< 1		032112	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		032112	1	EPA8260
4-Chlorotoluene	ug/L	< 1		032112	1	EPA8260
tert-Butylbenzene	ug/L	< 1		032112	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		032112	1	EPA8260
sec-Butylbenzene	ug/L	< 1		032112	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		032112	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.01 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		032112	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		032112	1	EPA8260
n-Butylbenzene	ug/L	< 1		032112	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		032112	1	EPA8260
Dibromochloropropane	ug/L	< 1		032112	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		032112	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		032112	1	EPA8260
Naphthalene(v)	ug/L	< 1		032112	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		032112	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		032112	1	EPA8260
p-Ethyltoluene	ug/L	< 1		032112	1	EPA8260
Freon 113	ug/L	< 1		032112	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		032112	1	EPA8260
Acetone	ug/L	< 10		032112	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		032112	10	EPA8260
Methylisobutylketone	ug/L	< 10		032112	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		032112	1	EPA8260
p Diethylbenzene	ug/L	< 1		032112	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.01 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		031912	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		031912	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		031912	1	EPA8270
Carbazole	ug/L	< 1		031912	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		031912	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		031912	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		031912	1	EPA8270
Hexachloroethane	ug/L	< 1		031912	1	EPA8270
Nitrobenzene	ug/L	< 1		031912	1	EPA8270
Isophorone	ug/L	< 1		031912	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		031912	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		031912	1	EPA8270
Naphthalene(sv)	ug/L	< 1		031912	1	EPA8270
4-Chloroaniline	ug/L	< 1		031912	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		031912	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		031912	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		031912	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		031912	1	EPA8270
2-Nitroaniline	ug/L	< 1		031912	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		031912	1	EPA8270
Acenaphthylene	ug/L	< 1		031912	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		031912	1	EPA8270
3-Nitroaniline	ug/L	< 1		031912	1	EPA8270
Acenaphthene	ug/L	< 1		031912	1	EPA8270
Dibenzofuran	ug/L	< 1		031912	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

rn = 4864 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.01 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		031912	1	EPA8270
Diethyl Phthalate	ug/L	< 1		031912	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		031912	1	EPA8270
Fluorene	ug/L	< 1		031912	1	EPA8270
4-Nitroaniline	ug/L	< 1		031912	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		031912	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		031912	1	EPA8270
Hexachlorobenzene	ug/L	< 1		031912	1	EPA8270
Phenanthrene	ug/L	< 1		031912	1	EPA8270
Anthracene	ug/L	< 1		031912	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		031912	1	EPA8270
Fluoranthene	ug/L	< 1		031912	1	EPA8270
Pyrene	ug/L	< 1		031912	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		031912	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		031912	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		031912	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

rn = 4865 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.01 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		031912	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	< 1	*	031912	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		031912	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		031912	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		031912	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		031912	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		031912	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		031912	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		031912	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Continuing calibration above qc limit, 27% vs 20%.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.01 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		031912	1	EPA8270
2-Chlorophenol	ug/L	< 1		031912	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		031912	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		031912	1	EPA8270
2-Nitrophenol	ug/L	< 1		031912	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		031912	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		031912	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		031912	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		031912	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		031912	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		031912	10	EPA8270
4-Nitrophenol	ug/L	< 10		031912	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		031912	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		031912	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.01 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	0.03		032712	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.005		032712	0.005	EPA200.7
Arsenic as As	mg/L	< 0.005		032712	0.005	EPA200.7
Barium as Ba	mg/L	0.16		032712	0.005	EPA200.7
Beryllium as Be	mg/L	< 0.001		032712	0.001	EPA200.7
Cadmium as Cd	mg/L	< 0.005		032712	0.005	EPA200.7
Calcium as Ca	mg/L	45		032712	0.2	EPA200.7
Chromium as Cr	mg/L	0.008		032712	0.005	EPA200.7
Cobalt as Co	mg/L	0.046		032712	0.005	EPA200.7
Copper as Cu	mg/L	< 0.01		032712	0.01	EPA200.7
Iron as Fe	mg/L	0.5		032712	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		032712	0.005	EPA200.7
Magnesium as Mg	mg/L	11		032712	0.005	EPA200.7
Manganese as Mn	mg/L	0.22		032712	0.01	EPA200.7
Mercury as Hg	mg/L	< 0.0002		032012	0.000	EPA245.1
Nickel as Ni	mg/L	0.02		032712	0.01	EPA200.7
Potassium as K	mg/L	4.9		032712	1	EPA200.7
Selenium as Se	mg/L	< 0.01		032712	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		032712	0.005	EPA200.7
Sodium as Na	mg/L	40		032712	1	EPA200.7
Thallium as Tl	mg/L	0.01	B	032712	0.005	EPA200.7
Vanadium as V	mg/L	< 0.005		032712	0.005	EPA200.7
Zinc as Zn	mg/L	0.11		032712	0.01	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS: B-Analyte is detected in the associated blank as well as in the sample.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.01 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		032312	0.05	EPA608
Heptachlor	ug/L	< 0.05		032312	0.05	EPA608
Aldrin	ug/L	< 0.05		032312	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		032312	0.05	EPA608
p,p-DDE	ug/L	< 0.05		032312	0.05	EPA608
Dieldrin	ug/L	< 0.05		032312	0.05	EPA608
Endrin	ug/L	< 0.05		032312	0.05	EPA608
p,p-DDD	ug/L	< 0.05		032312	0.05	EPA608
p,p-DDT	ug/L	< 0.1		032312	0.1	EPA608
Chlordane	ug/L	< 0.2		032312	0.2	EPA608
Toxaphene	ug/L	< 1		032312	1	EPA608
Endrin Aldehyde	ug/L	< 0.3		032312	0.3	EPA608
a BHC	ug/L	< 0.05		032312	0.05	EPA608
b BHC	ug/L	< 0.05		032312	0.05	EPA608
d BHC	ug/L	< 0.05		032312	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		032312	0.1	EPA608
Endosulfan 2	ug/L	< 0.1		032312	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		032312	0.3	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

rn = 4869 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.01 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530

ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1030

MATRIX:Water SAMPLE: GW-1

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/L	< 1		032312	1	EPA608
Aroclor 1221	ug/L	< 1		032312	1	EPA608
Aroclor 1232	ug/L	< 1		032312	1	EPA608
Aroclor 1242	ug/L	< 1		032312	1	EPA608
Aroclor 1248	ug/L	< 1		032312	1	EPA608
Aroclor 1254	ug/L	< 1		032312	1	EPA608
Aroclor 1260	ug/L	< 1		032312	1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

rn = 4870 NYSDOH ID # 10320

EcoTest Labs

Conformance/Nonconformance Summary

8270

for lab#120963..01, .03, .06, .08(ms), .10(msd), & .12

* Matrix Spike & Matrix Spike Duplicate RPD

Following compound out of qc range:

	ms	msd		ms	msd
bis(2-chloroethyl)ether	23% vs 31%	20% vs 31%	carbazole		22% vs 26%
bis(2-chloroisopropyl)ether		21% vs 24%	di-n-butylphthalate	27% vs 31%	23% vs 31%
n-nitroso-di-n-propylamine	26% vs 33%	26% vs 33%	bis(2-ethylhexyl)phthalate		25% vs 26%
nitrobenzene	21% vs 22%	19% vs 22%	2-chlorophenol	21% vs 25%	19% vs 25%
isophorone	24% vs 31%	22% vs 31%	2 nitrophenol		31% vs 33%
bis(2-chloroethoxy)methane	24% vs 27%	21% vs 27%	2,4 dichlorophenol	30% vs 32%	28% vs 32%
dibenzofuran		33% vs 35%	2,4,6 trichlorophenol	35% vs 37%	35% vs 37%
diethylphthalate		24% vs 26%	2,4,5 trichlorophenol	35% vs 38%	35% vs 38%
4 chlorophenylphenyl ether	26% vs 36%	23% vs 36%	2,4 dinitrophenol	12% vs 24%	
n-nitrosodiphenylamine		22% vs 24%	4,6 dinitro-2-methylphenol	13% vs 34%	31% vs 34%
4 bromophenylphenyl ether	26% vs 27%	23% vs 27%	pentachlorophenol	27% vs 35%	31% vs 35%
hexachlorobenzene		22% vs 23%			

Summary of Matrix Spike Matrix Spike Duplicate Results

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

Client Name:	EEA	Analyst:	M. Henehan
Sample Lab Numbers:	120963.01, .03, .06, .08, .10	Method:	8270
	& 120963.12		
Date Sample(s) Received:	3/16/12	Analyte:	bna
Date(s) of Analysis:	3/19/12	Matrix:	water

Units = ug/L(water)			03191216.d		03191217.d				
SVGCMS1	03191215.d		ecs11-1		ecs11-1				
	smp	Spike	ms	%	msd	%		limits	
COMPOUNDS	120963.06	Conc.	120963.08	Rec	120963.10	Rec	%rpd	rpd	rec
Bis(2-chloroethyl)ether	0	30	22.5	75	19.8	66	13	47	31-125
1,3 Dichlorobenzene	0	30	16.7	56	16.0	53	4	53	11-123
1,4 Dichlorobenzene	0	30	18.0	60	17.4	58	4	46	16-103
1,2 Dichlorobenzene	0	30	18.6	62	17.8	59	4	47	17-123
Bis(2-chloroisopropyl)ether	0	30	24.1	80	21.4	71	12	45	24-138
N-nitroso-di-n-propylamine	0	30	26.0	87	23.8	79	9	44	33-140
Hexachloroethane	0	30	14.0	47	13.4	45	4	51	9.2-121
Nitrobenzene	0	30	21.4	71	19.1	64	11	45	22-120
Isophorone	0	30	24.3	81	21.6	72	12	46	31-138
Bis(2-chloroethoxy)methane	0	30	24.4	81	21.4	71	13	47	27-134
1,2,4 Trichlorobenzene	0	30	18.8	63	16.8	56	11	48	17-126
Naphthalene	0	30	21.4	71	19.0	63	12	55	DL-133
4 Chloroaniline	0	50	36.2	72	33.3	67	8	154	DL-219
Hexachlorobutadiene	0	30	14.7	49	12.2	41	18	49	12-125
2 Methylnaphthalene	0	50	33.3	67	31.2	62	7	56	23-199
2 Nitroaniline	0	50	42.3	85	39.5	79	7	56	23-201
Hexachlorocyclopentadiene	0	30	11.9	40	10.1	34	16	60	6.8-115
2 Chloronaphthalene	0	30	22.7	76	19.6	65	15	44	31-134
Dimethylphthalate	0	30	27.0	90	23.4	78	14	39	22-155
2,6 Dinitrotoluene	0	30	29.1	97	26.2	87	11	39	29-163
Acenaphthylene	0	30	24.8	83	22.4	75	10	52	7.8-158
3 Nitroaniline	0	50	34.9	70	33.1	66	5	50	DL-206
Acenaphthene	0	30	24.1	80	20.9	70	14	52	12-150
Dibenzofuran	0	50	35.9	72	33.1	66	8	55	35-160
2,4 Dinitrotoluene	0	30	27.1	90	24.9	83	9	40	18-154
Diethylphthalate	0	30	27.3	91	24.0	80	13	40	26-158
4 Chlorophenylphenyl ether	0	30	26.3	88	22.5	75	15	41	36-128
Fluorene	0	30	25.8	86	22.0	73	16	50	17-156
4 Nitroaniline	0	50	35.3	71	33.2	66	6	44	DL-239
N-Nitrosodiphenylamine	0	30	25.7	86	21.9	73	16	57	24-156
4 Bromophenylphenyl ether	0	30	26.1	87	21.6	72	19	45	27-151
Hexachlorobenzene	0	30	25.6	85	21.6	72	17	43	23-157
Phenanthrene	0	30	24.8	83	21.1	70	16	52	15-156
Anthracene	0	30	25.9	86	21.6	72	18	51	16-160
Carbazole	0	30	27.0	90	22.4	75	18	42	26-171

Summary of Matrix Spike Matrix Spike Duplicate Results

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

Client Name:	EEA	Analyst:	M. Henehan
Sample Lab Numbers:	120963.01, .03, .06, .08, .10 & 120963.12	Method:	8270
Date Sample(s) Received:	3/16/12	Analyte:	bna
Date(s) of Analysis:	3/19/12	Matrix:	water

Units = ug/L (water)			03191216.d		03191217.d				
SVGCMS1	03191215.d		ecs11-1		ecs11-1				
	smp	Spike	ms	%	msd	%		limits	
COMPOUNDS	120963.06	Conc.	120963.08	Rec	120963.10	Rec	%rpd	rpd	rec
Di-n-butylphthalate	0	30	26.7	89	22.9	76	15	39	31-164
Fluoranthene	0	30	25.5	85	21.5	72	17	51	14-164
Pyrene	0	30	26.6	89	23.2	77	14	56	12-166
Butylbenzylphthalate	0	30	29.0	97	25.3	84	13	49	25-170
Bis(2-ethylhexyl)phthalate	0	30	28.5	95	24.6	82	15	38	26-150
Benzo(a)anthracene	0	30	25.2	84	21.1	70	18	56	13-162
Chrysene	0	30	23.9	80	20.7	69	14	54	15-160
3,3' Dichlorobenzidine	0	50	50.3	101	37.6	75	29	157	DL-214
Di-n-octyl phthalate	0	30	31.6	105	27.0	90	16	47	DL-180
Benzo(b)fluoranthene	0	30	28.8	96	24.3	81	17	59	7.2-173
Benzo(k)fluoranthene	0	30	26.3	88	21.3	71	21	60	19-159
Benzo(a)pyrene	0	30	27.9	93	23.9	80	15	58	15-168
Dibenzo(a,h)anthracene	0	30	32.1	107	26.3	88	20	58	24-161
Indeno(1,2,3-cd)pyrene	0	30	30.9	103	26.1	87	17	57	26-159
Benzo(g,h,i)perylene	0	30	29.0	97	24.3	81	17	61	22-193
Phenol	0	50	5.90	12	5.00	10	17	53	DL-101
2 Chlorophenol	0	50	20.6	41	18.6	37	10	49	25-93
2 Methylphenol	0	50	17.0	34	14.3	29	17	108	DL-132
4 Methylphenol	0	50	14.0	28	12.1	24	15	68	DL-129
2,4 Dimethylphenol	0	50	34.0	68	30.0	60	12	138	DL-165
2 Nitrophenol	0	50	32.3	65	30.7	61	5	141	33-102
2,4 Dichlorophenol	0	50	30.1	60	27.5	55	9	46	32-103
4-chloro-3-methylphenol	0	50	28.2	56	25.3	51	11	57	7.4-120
2,4,6 Trichlorophenol	0	50	34.5	69	34.6	69	0	45	37-118
2,4,5 Trichlorophenol	0	50	35.9	72	34.5	69	4	46	38-117
2,4 Dinitrophenol	0	50	12.3	25	29.6	59	83	67	24-112
4 Nitrophenol	0	50	7.76	16	8.46	17	9	55	DL-116
4,6 Dinitro-2-methylphenol	0	50	13.2	26	31.2	62	81	62	34-116
Pentachlorophenol	0	50	26.6	53	30.8	62	15	56	35-130

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.02 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-1 DISSOLVED

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.01		032712	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.005		032712	0.005	EPA200.7
Arsenic as As	mg/L	< 0.005		032712	0.005	EPA200.7
Barium as Ba	mg/L	0.15		032712	0.005	EPA200.7
Beryllium as Be	mg/L	< 0.001		032712	0.001	EPA200.7
Cadmium as Cd	mg/L	< 0.005		032712	0.005	EPA200.7
Calcium as Ca	mg/L	43		032712	0.2	EPA200.7
Chromium as Cr	mg/L	< 0.005		032712	0.005	EPA200.7
Cobalt as Co	mg/L	0.038		032712	0.005	EPA200.7
Copper as Cu	mg/L	< 0.01		032712	0.01	EPA200.7
Iron as Fe	mg/L	0.33		032712	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		032712	0.005	EPA200.7
Magnesium as Mg	mg/L	11		032712	0.005	EPA200.7
Manganese as Mn	mg/L	0.21		032712	0.01	EPA200.7
Mercury as Hg	mg/L	< 0.0002		032012	0.000	EPA245.1
Nickel as Ni	mg/L	0.02		032712	0.01	EPA200.7
Potassium as K	mg/L	4.6		032712	1	EPA200.7
Selenium as Se	mg/L	< 0.01		032712	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		032712	0.005	EPA200.7
Sodium as Na	mg/L	38		032712	1	EPA200.7
Thallium as Tl	mg/L	0.019	B	032712	0.005	EPA200.7
Vanadium as V	mg/L	< 0.005		032712	0.005	EPA200.7
Zinc as Zn	mg/L	0.1		032712	0.01	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was filtered by EcoTest.
B-Analyte is detected in the associated blank as well as in the sample.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.03 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1330
MATRIX:Water SAMPLE: GW-3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		032112	1	EPA8260
Chloromethane	ug/L	< 1		032112	1	EPA8260
Vinyl Chloride	ug/L	< 1		032112	1	EPA8260
Bromomethane	ug/L	< 1		032112	1	EPA8260
Chloroethane	ug/L	< 1		032112	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		032112	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		032112	1	EPA8260
Methylene Chloride	ug/L	< 1		032112	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		032112	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		032112	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		032112	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		032112	1	EPA8260
Bromochloromethane	ug/L	< 1		032112	1	EPA8260
Chloroform	ug/L	12		032112	1	EPA8260
111 Trichloroethane	ug/L	< 1		032112	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		032112	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		032112	1	EPA8260
Benzene	ug/L	< 1		032112	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		032112	1	EPA8260
Trichloroethene	ug/L	< 1		032112	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		032112	1	EPA8260
Dibromomethane	ug/L	< 1		032112	1	EPA8260
Bromodichloromethane	ug/L	< 1		032112	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		032112	1	EPA8260
Toluene	ug/L	< 1		032112	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

rn = 4872 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.03 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1330
MATRIX:Water SAMPLE: GW-3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		032112	1	EPA8260
112 Trichloroethane	ug/L	< 1		032112	1	EPA8260
Tetrachloroethene	ug/L	< 1		032112	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		032112	1	EPA8260
Chlorodibromomethane	ug/L	< 1		032112	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		032112	1	EPA8260
Chlorobenzene	ug/L	< 1		032112	1	EPA8260
Ethyl Benzene	ug/L	< 1		032112	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		032112	1	EPA8260
m + p Xylene	ug/L	< 2		032112	2	EPA8260
o Xylene	ug/L	< 1		032112	1	EPA8260
Styrene	ug/L	< 1		032112	1	EPA8260
Bromoform	ug/L	< 1		032112	1	EPA8260
Isopropylbenzene	ug/L	< 1		032112	1	EPA8260
Bromobenzene	ug/L	< 1		032112	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		032112	1	EPA8260
123-Trichloropropane	ug/L	< 1		032112	1	EPA8260
n-Propylbenzene	ug/L	< 1		032112	1	EPA8260
2-Chlorotoluene	ug/L	< 1		032112	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		032112	1	EPA8260
4-Chlorotoluene	ug/L	< 1		032112	1	EPA8260
tert-Butylbenzene	ug/L	< 1		032112	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		032112	1	EPA8260
sec-Butylbenzene	ug/L	< 1		032112	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		032112	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.03 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1330
MATRIX:Water SAMPLE: GW-3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		032112	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		032112	1	EPA8260
n-Butylbenzene	ug/L	< 1		032112	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		032112	1	EPA8260
Dibromochloropropane	ug/L	< 1		032112	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		032112	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		032112	1	EPA8260
Naphthalene(v)	ug/L	< 1		032112	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		032112	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		032112	1	EPA8260
p-Ethyltoluene	ug/L	< 1		032112	1	EPA8260
Freon 113	ug/L	< 1		032112	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		032112	1	EPA8260
Acetone	ug/L	< 10		032112	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		032112	10	EPA8260
Methylisobutylketone	ug/L	< 10		032112	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		032112	1	EPA8260
p Diethylbenzene	ug/L	< 1		032112	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

rn = 4874 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.03 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1330
MATRIX:Water SAMPLE: GW-3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		031912	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		031912	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		031912	1	EPA8270
Carbazole	ug/L	< 1		031912	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		031912	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		031912	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		031912	1	EPA8270
Hexachloroethane	ug/L	< 1		031912	1	EPA8270
Nitrobenzene	ug/L	< 1		031912	1	EPA8270
Isophorone	ug/L	< 1		031912	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		031912	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		031912	1	EPA8270
Naphthalene(sv)	ug/L	< 1		031912	1	EPA8270
4-Chloroaniline	ug/L	< 1		031912	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		031912	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		031912	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		031912	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		031912	1	EPA8270
2-Nitroaniline	ug/L	< 1		031912	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		031912	1	EPA8270
Acenaphthylene	ug/L	< 1		031912	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		031912	1	EPA8270
3-Nitroaniline	ug/L	< 1		031912	1	EPA8270
Acenaphthene	ug/L	< 1		031912	1	EPA8270
Dibenzofuran	ug/L	< 1		031912	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.03 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1330
MATRIX:Water SAMPLE: GW-3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		031912	1	EPA8270
Diethyl Phthalate	ug/L	< 1		031912	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		031912	1	EPA8270
Fluorene	ug/L	< 1		031912	1	EPA8270
4-Nitroaniline	ug/L	< 1		031912	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		031912	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		031912	1	EPA8270
Hexachlorobenzene	ug/L	< 1		031912	1	EPA8270
Phenanthrene	ug/L	< 1		031912	1	EPA8270
Anthracene	ug/L	< 1		031912	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		031912	1	EPA8270
Fluoranthene	ug/L	< 1		031912	1	EPA8270
Pyrene	ug/L	< 1		031912	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		031912	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		031912	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		031912	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.03 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1330
MATRIX:Water SAMPLE: GW-3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		031912	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	4.0	*	031912	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		031912	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		031912	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		031912	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		031912	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		031912	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		031912	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		031912	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Continuing calibration above qc limit, 27% vs 20%.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.03 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1330
MATRIX:Water SAMPLE: GW-3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		031912	1	EPA8270
2-Chlorophenol	ug/L	< 1		031912	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		031912	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		031912	1	EPA8270
2-Nitrophenol	ug/L	< 1		031912	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		031912	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		031912	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		031912	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		031912	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		031912	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		031912	10	EPA8270
4-Nitrophenol	ug/L	< 10		031912	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		031912	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		031912	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.03 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1330
MATRIX:Water SAMPLE: GW-3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	17		032712	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.005		032712	0.005	EPA200.7
Arsenic as As	mg/L	< 0.005		032712	0.005	EPA200.7
Barium as Ba	mg/L	0.21		032712	0.005	EPA200.7
Beryllium as Be	mg/L	0.001		032712	0.001	EPA200.7
Cadmium as Cd	mg/L	< 0.005		032712	0.005	EPA200.7
Calcium as Ca	mg/L	16		032712	0.2	EPA200.7
Chromium as Cr	mg/L	0.084		032712	0.005	EPA200.7
Cobalt as Co	mg/L	0.036		032712	0.005	EPA200.7
Copper as Cu	mg/L	0.05		032712	0.01	EPA200.7
Iron as Fe	mg/L	18		032712	0.01	EPA200.7
Lead as Pb	mg/L	0.031		032712	0.005	EPA200.7
Magnesium as Mg	mg/L	3.9		032712	0.005	EPA200.7
Manganese as Mn	mg/L	1.4		032712	0.01	EPA200.7
Mercury as Hg	mg/L	< 0.0002		032012	0.000	EPA245.1
Nickel as Ni	mg/L	0.08		032712	0.01	EPA200.7
Potassium as K	mg/L	5.9		032712	1	EPA200.7
Selenium as Se	mg/L	< 0.01		032712	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		032712	0.005	EPA200.7
Sodium as Na	mg/L	23		032712	1	EPA200.7
Thallium as Tl	mg/L	0.01	B	032712	0.005	EPA200.7
Vanadium as V	mg/L	0.069		032712	0.005	EPA200.7
Zinc as Zn	mg/L	0.09		032712	0.01	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS: B-Analyte is detected in associated blank as well as in the sample.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO. 120963.03 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1330
MATRIX:Water SAMPLE: GW-3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		032312	0.05	EPA608
Heptachlor	ug/L	< 0.05		032312	0.05	EPA608
Aldrin	ug/L	< 0.05		032312	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		032312	0.05	EPA608
p,p-DDE	ug/L	< 0.05		032312	0.05	EPA608
Dieldrin	ug/L	< 0.05		032312	0.05	EPA608
Endrin	ug/L	< 0.05		032312	0.05	EPA608
p,p-DDD	ug/L	< 0.05		032312	0.05	EPA608
p,p-DDT	ug/L	< 0.1		032312	0.1	EPA608
Chlordane	ug/L	< 0.2		032312	0.2	EPA608
Toxaphene	ug/L	< 1		032312	1	EPA608
Endrin Aldehyde	ug/L	< 0.3		032312	0.3	EPA608
a BHC	ug/L	< 0.05		032312	0.05	EPA608
b BHC	ug/L	< 0.05		032312	0.05	EPA608
d BHC	ug/L	< 0.05		032312	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		032312	0.1	EPA608
Endosulfan 2	ug/L	< 0.1		032312	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		032312	0.3	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

rn = 4880 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.03 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1330
MATRIX:Water SAMPLE: GW-3

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/L	< 1		032312	1	EPA608
Aroclor 1221	ug/L	< 1		032312	1	EPA608
Aroclor 1232	ug/L	< 1		032312	1	EPA608
Aroclor 1242	ug/L	< 1		032312	1	EPA608
Aroclor 1248	ug/L	< 1		032312	1	EPA608
Aroclor 1254	ug/L	< 1		032312	1	EPA608
Aroclor 1260	ug/L	< 1		032312	1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR [signature]

EcoTest Labs

Conformance/Nonconformance Summary

8270

for lab#120963..01, .03, .06, .08(ms), .10(msd), & .12

* Matrix Spike & Matrix Spike Duplicate RPD

Following compound out of qc range:

	ms	msd		ms	msd
bis(2-chloroethyl)ether	23% vs 31%	20% vs 31%	carbazole		22% vs 26%
bis(2-chloroisopropyl)ether		21% vs 24%	di-n-butylphthalate	27% vs 31%	23% vs 31%
n-nitroso-di-n-propylamine	26% vs 33%	26% vs 33%	bis(2-ethylhexyl)phthalate		25% vs 26%
nitrobenzene	21% vs 22%	19% vs 22%	2-chlorophenol	21% vs 25%	19% vs 25%
isophorone	24% vs 31%	22% vs 31%	2 nitrophenol		31% vs 33%
bis(2-chloroethoxy)methane	24% vs 27%	21% vs 27%	2,4 dichlorophenol	30% vs 32%	28% vs 32%
dibenzofuran		33% vs 35%	2,4,6 trichlorophenol	35% vs 37%	35% vs 37%
diethylphthalate		24% vs 26%	2,4,5 trichlorophenol	35% vs 38%	35% vs 38%
4 chlorophenylphenyl ether	26% vs 36%	23% vs 36%	2,4 dinitrophenol	12% vs 24%	
n-nitrosodiphenylamine		22% vs 24%	4,6 dinitro-2-methylphenol	13% vs 34%	31% vs 34%
4 bromophenylphenyl ether	26% vs 27%	23% vs 27%	pentachlorophenol	27% vs 35%	31% vs 35%
hexachlorobenzene		22% vs 23%			

Summary of Matrix Spike Matrix Spike Duplicate Results

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

Client Name:	EEA		Analyst:	M. Henehan	
Sample Lab Numbers:	120963.01, .03, .06, .08, .10		Method:	8270	
	& 120963.12				
Date Sample(s) Received:	3/16/12		Analyte:	bna	
Date(s) of Analysis:	3/19/12		Matrix:	water	

Units = ug/L (water)			03191216.d		03191217.d				
SVGCMS1	03191215.d		ecs11-1		ecs11-1				
	smp	Spike	ms	%	msd	%		limits	
COMPOUNDS	120963.06	Conc.	120963.08	Rec	120963.10	Rec	%rpd	rpd	rec
Bis(2-chloroethyl)ether	0	30	22.5	75	19.8	66	13	47	31-125
1,3 Dichlorobenzene	0	30	16.7	56	16.0	53	4	53	11-123
1,4 Dichlorobenzene	0	30	18.0	60	17.4	58	4	46	16-103
1,2 Dichlorobenzene	0	30	18.6	62	17.8	59	4	47	17-123
Bis(2-chloroisopropyl)ether	0	30	24.1	80	21.4	71	12	45	24-138
N-nitroso-di-n-propylamine	0	30	26.0	87	23.8	79	9	44	33-140
Hexachloroethane	0	30	14.0	47	13.4	45	4	51	9.2-121
Nitrobenzene	0	30	21.4	71	19.1	64	11	45	22-120
Isophorone	0	30	24.3	81	21.6	72	12	46	31-138
Bis(2-chloroethoxy)methane	0	30	24.4	81	21.4	71	13	47	27-134
1,2,4 Trichlorobenzene	0	30	18.8	63	16.8	56	11	48	17-126
Naphthalene	0	30	21.4	71	19.0	63	12	55	DL-133
4 Chloroaniline	0	50	36.2	72	33.3	67	8	154	DL-219
Hexachlorobutadiene	0	30	14.7	49	12.2	41	18	49	12-125
2 Methylnaphthalene	0	50	33.3	67	31.2	62	7	56	23-199
2 Nitroaniline	0	50	42.3	85	39.5	79	7	56	23-201
Hexachlorocyclopentadiene	0	30	11.9	40	10.1	34	16	60	6.8-115
2 Chloronaphthalene	0	30	22.7	76	19.6	65	15	44	31-134
Dimethylphthalate	0	30	27.0	90	23.4	78	14	39	22-155
2,6 Dinitrotoluene	0	30	29.1	97	26.2	87	11	39	29-163
Acenaphthylene	0	30	24.8	83	22.4	75	10	52	7.8-158
3 Nitroaniline	0	50	34.9	70	33.1	66	5	50	DL-206
Acenaphthene	0	30	24.1	80	20.9	70	14	52	12-150
Dibenzofuran	0	50	35.9	72	33.1	66	8	55	35-160
2,4 Dinitrotoluene	0	30	27.1	90	24.9	83	9	40	18-154
Diethylphthalate	0	30	27.3	91	24.0	80	13	40	26-158
4 Chlorophenylphenyl ether	0	30	26.3	88	22.5	75	15	41	36-128
Fluorene	0	30	25.8	86	22.0	73	16	50	17-156
4 Nitroaniline	0	50	35.3	71	33.2	66	6	44	DL-239
N-Nitrosodiphenylamine	0	30	25.7	86	21.9	73	16	57	24-156
4 Bromophenylphenyl ether	0	30	26.1	87	21.6	72	19	45	27-151
Hexachlorobenzene	0	30	25.6	85	21.6	72	17	43	23-157
Phenanthrene	0	30	24.8	83	21.1	70	16	52	15-156
Anthracene	0	30	25.9	86	21.6	72	18	51	16-160
Carbazole	0	30	27.0	90	22.4	75	18	42	26-171

Summary of Matrix Spike Matrix Spike Duplicate Results

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

Client Name:	EEA			Analyst	M. Henehan				
Sample Lab Numbers:	120963.01, .03, .06, .08, .10			Method:	8270				
	& 120963.12								
Date Sample(s) Received:	3/16/12			Analyte:	bna				
Date(s) of Analysis:	3/19/12			Matrix:	water				
Units = ug/L (water)			03191216.d		03191217.d				
SVGCMS1	03191215.d		ecs11-1		ecs11-1				
	smp	Spike	ms	%	msd	%		limits	
COMPOUNDS	120963.06	Conc.	120963.08	Rec	120963.10	Rec	%rpd	rpd	rec
Di-n-butylphthalate	0	30	26.7	89	22.9	76	15	39	31-164
Fluoranthene	0	30	25.5	85	21.5	72	17	51	14-164
Pyrene	0	30	26.6	89	23.2	77	14	56	12-166
Butylbenzylphthalate	0	30	29.0	97	25.3	84	13	49	25-170
Bis(2-ethylhexyl)phthalate	0	30	28.5	95	24.6	82	15	38	26-150
Benzo(a)anthracene	0	30	25.2	84	21.1	70	18	56	13-162
Chrysene	0	30	23.9	80	20.7	69	14	54	15-160
3,3' Dichlorobenzidine	0	50	50.3	101	37.6	75	29	157	DL-214
Di-n-octyl phthalate	0	30	31.6	105	27.0	90	16	47	DL-180
Benzo(b)fluoranthene	0	30	28.8	96	24.3	81	17	59	7.2-173
Benzo(k)fluoranthene	0	30	26.3	88	21.3	71	21	60	19-159
Benzo(a)pyrene	0	30	27.9	93	23.9	80	15	58	15-168
Dibenzo(a,h)anthracene	0	30	32.1	107	26.3	88	20	58	24-161
Indeno(1,2,3-cd)pyrene	0	30	30.9	103	26.1	87	17	57	26-159
Benzo(g,h,i)perylene	0	30	29.0	97	24.3	81	17	61	22-193
Phenol	0	50	5.90	12	5.00	10	17	53	DL-101
2 Chlorophenol	0	50	20.6	41	18.6	37	10	49	25-93
2 Methylphenol	0	50	17.0	34	14.3	29	17	108	DL-132
4 Methylphenol	0	50	14.0	28	12.1	24	15	68	DL-129
2,4 Dimethylphenol	0	50	34.0	68	30.0	60	12	138	DL-165
2 Nitrophenol	0	50	32.3	65	30.7	61	5	141	33-102
2,4 Dichlorophenol	0	50	30.1	60	27.5	55	9	46	32-103
4-chloro-3-methylphenol	0	50	28.2	56	25.3	51	11	57	7.4-120
2,4,6 Trichlorophenol	0	50	34.5	69	34.6	69	0	45	37-118
2,4,5 Trichlorophenol	0	50	35.9	72	34.5	69	4	46	38-117
2,4 Dinitrophenol	0	50	12.3	25	29.6	59	83	67	24-112
4 Nitrophenol	0	50	7.76	16	8.46	17	9	55	DL-116
4,6 Dinitro-2-methylphenol	0	50	13.2	26	31.2	62	81	62	34-116
Pentachlorophenol	0	50	26.6	53	30.8	62	15	56	35-130

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO. 120963.04 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12
TIME COL'D:1330
MATRIX:Water SAMPLE: GW-3 DISSOLVED

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	0.03		032712	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.005		032712	0.005	EPA200.7
Arsenic as As	mg/L	< 0.005		032712	0.005	EPA200.7
Barium as Ba	mg/L	0.068		032712	0.005	EPA200.7
Beryllium as Be	mg/L	< 0.001		032712	0.001	EPA200.7
Cadmium as Cd	mg/L	< 0.005		032712	0.005	EPA200.7
Calcium as Ca	mg/L	13		032712	0.2	EPA200.7
Chromium as Cr	mg/L	< 0.005		032712	0.005	EPA200.7
Cobalt as Co	mg/L	0.016		032712	0.005	EPA200.7
Copper as Cu	mg/L	< 0.01		032712	0.01	EPA200.7
Iron as Fe	mg/L	0.2		032712	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		032712	0.005	EPA200.7
Magnesium as Mg	mg/L	2.8		032712	0.005	EPA200.7
Manganese as Mn	mg/L	1.1		032712	0.01	EPA200.7
Mercury as Hg	mg/L	< 0.0002		032012	0.000	EPA245.1
Nickel as Ni	mg/L	0.02		032712	0.01	EPA200.7
Potassium as K	mg/L	4.1		032712	1	EPA200.7
Selenium as Se	mg/L	< 0.01		032712	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		032712	0.005	EPA200.7
Sodium as Na	mg/L	20		032712	1	EPA200.7
Thallium as Tl	mg/L	0.02	B	032712	0.005	EPA200.7
Vanadium as V	mg/L	< 0.005		032712	0.005	EPA200.7
Zinc as Zn	mg/L	0.02		032712	0.01	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was filtered by EcoTest.
B-Analyte is detected in the associated blank as well as in the sample.

Thomas Powell
DIRECTOR T.W. Powell

rn = 4882 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.05 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12

MATRIX:Water SAMPLE: Trip Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		032112	1	EPA8260
Chloromethane	ug/L	< 1		032112	1	EPA8260
Vinyl Chloride	ug/L	< 1		032112	1	EPA8260
Bromomethane	ug/L	< 1		032112	1	EPA8260
Chloroethane	ug/L	< 1		032112	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		032112	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		032112	1	EPA8260
Methylene Chloride	ug/L	< 1		032112	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		032112	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		032112	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		032112	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		032112	1	EPA8260
Bromochloromethane	ug/L	< 1		032112	1	EPA8260
Chloroform	ug/L	< 1		032112	1	EPA8260
111 Trichloroethane	ug/L	< 1		032112	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		032112	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		032112	1	EPA8260
Benzene	ug/L	< 1		032112	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		032112	1	EPA8260
Trichloroethene	ug/L	< 1		032112	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		032112	1	EPA8260
Dibromomethane	ug/L	< 1		032112	1	EPA8260
Bromodichloromethane	ug/L	< 1		032112	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		032112	1	EPA8260
Toluene	ug/L	< 1		032112	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR TW Powell

rn = 4883 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.05 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12

MATRIX:Water SAMPLE: Trip Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		032112	1	EPA8260
112 Trichloroethane	ug/L	< 1		032112	1	EPA8260
Tetrachloroethene	ug/L	< 1		032112	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		032112	1	EPA8260
Chlorodibromomethane	ug/L	< 1		032112	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		032112	1	EPA8260
Chlorobenzene	ug/L	< 1		032112	1	EPA8260
Ethyl Benzene	ug/L	< 1		032112	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		032112	1	EPA8260
m + p Xylene	ug/L	< 2		032112	2	EPA8260
o Xylene	ug/L	< 1		032112	1	EPA8260
Styrene	ug/L	< 1		032112	1	EPA8260
Bromoform	ug/L	< 1		032112	1	EPA8260
Isopropylbenzene	ug/L	< 1		032112	1	EPA8260
Bromobenzene	ug/L	< 1		032112	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		032112	1	EPA8260
123-Trichloropropane	ug/L	< 1		032112	1	EPA8260
n-Propylbenzene	ug/L	< 1		032112	1	EPA8260
2-Chlorotoluene	ug/L	< 1		032112	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		032112	1	EPA8260
4-Chlorotoluene	ug/L	< 1		032112	1	EPA8260
tert-Butylbenzene	ug/L	< 1		032112	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		032112	1	EPA8260
sec-Butylbenzene	ug/L	< 1		032112	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		032112	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

rn = 4884 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.05 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1143-1175 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/15/12 RECEIVED:03/16/12

MATRIX:Water SAMPLE: Trip Blank

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		032112	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		032112	1	EPA8260
n-Butylbenzene	ug/L	< 1		032112	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		032112	1	EPA8260
Dibromochloropropane	ug/L	< 1		032112	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		032112	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		032112	1	EPA8260
Naphthalene(v)	ug/L	< 1		032112	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		032112	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		032112	1	EPA8260
p-Ethyltoluene	ug/L	< 1		032112	1	EPA8260
Freon 113	ug/L	< 1		032112	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		032112	1	EPA8260
Acetone	ug/L	< 10		032112	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		032112	10	EPA8260
Methylisobutylketone	ug/L	< 10		032112	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		032112	1	EPA8260
p Diethylbenzene	ug/L	< 1		032112	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

rn = 4885 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.06 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		032012	1	EPA8260
Chloromethane	ug/L	< 1		032012	1	EPA8260
Vinyl Chloride	ug/L	< 1		032012	1	EPA8260
Bromomethane	ug/L	< 1		032012	1	EPA8260
Chloroethane	ug/L	< 1		032012	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		032012	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		032012	1	EPA8260
Methylene Chloride	ug/L	< 1		032012	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		032012	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		032012	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		032012	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		032012	1	EPA8260
Bromochloromethane	ug/L	< 1		032012	1	EPA8260
Chloroform	ug/L	1		032012	1	EPA8260
111 Trichloroethane	ug/L	< 1		032012	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		032012	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		032012	1	EPA8260
Benzene	ug/L	< 1		032012	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		032012	1	EPA8260
Trichloroethene	ug/L	< 1		032012	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		032012	1	EPA8260
Dibromomethane	ug/L	< 1		032012	1	EPA8260
Bromodichloromethane	ug/L	< 1		032012	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		032012	1	EPA8260
Toluene	ug/L	< 1		032012	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

rn = 4921 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.06 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		032012	1	EPA8260
112 Trichloroethane	ug/L	< 1		032012	1	EPA8260
Tetrachloroethene	ug/L	< 1		032012	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		032012	1	EPA8260
Chlorodibromomethane	ug/L	< 1		032012	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		032012	1	EPA8260
Chlorobenzene	ug/L	< 1		032012	1	EPA8260
Ethyl Benzene	ug/L	< 1		032012	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		032012	1	EPA8260
m + p Xylene	ug/L	< 2		032012	2	EPA8260
o Xylene	ug/L	< 1		032012	1	EPA8260
Styrene	ug/L	< 1		032012	1	EPA8260
Bromoform	ug/L	< 1		032012	1	EPA8260
Isopropylbenzene	ug/L	< 1		032012	1	EPA8260
Bromobenzene	ug/L	< 1		032012	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		032012	1	EPA8260
123-Trichloropropane	ug/L	< 1		032012	1	EPA8260
n-Propylbenzene	ug/L	< 1		032012	1	EPA8260
2-Chlorotoluene	ug/L	< 1		032012	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		032012	1	EPA8260
4-Chlorotoluene	ug/L	< 1		032012	1	EPA8260
tert-Butylbenzene	ug/L	< 1		032012	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		032012	1	EPA8260
sec-Butylbenzene	ug/L	< 1		032012	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		032012	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

rn = 4922 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.06 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		032012	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		032012	1	EPA8260
n-Butylbenzene	ug/L	< 1		032012	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		032012	1	EPA8260
Dibromochloropropane	ug/L	< 1		032012	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		032012	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		032012	1	EPA8260
Naphthalene(v)	ug/L	< 1		032012	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		032012	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		032012	1	EPA8260
p-Ethyltoluene	ug/L	< 1		032012	1	EPA8260
Freon 113	ug/L	< 1		032012	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		032012	1	EPA8260
Acetone	ug/L	< 10		032012	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		032012	10	EPA8260
Methylisobutylketone	ug/L	< 10		032012	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		032012	1	EPA8260
p Diethylbenzene	ug/L	< 1		032012	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.06 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		031912	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		031912	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	< 1		031912	1	EPA8270
Carbazole	ug/L	< 1		031912	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		031912	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		031912	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		031912	1	EPA8270
Hexachloroethane	ug/L	< 1		031912	1	EPA8270
Nitrobenzene	ug/L	< 1		031912	1	EPA8270
Isophorone	ug/L	< 1		031912	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		031912	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		031912	1	EPA8270
Naphthalene(sv)	ug/L	< 1		031912	1	EPA8270
4-Chloroaniline	ug/L	< 1		031912	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		031912	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		031912	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		031912	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		031912	1	EPA8270
2-Nitroaniline	ug/L	< 1		031912	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		031912	1	EPA8270
Acenaphthylene	ug/L	< 1		031912	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		031912	1	EPA8270
3-Nitroaniline	ug/L	< 1		031912	1	EPA8270
Acenaphthene	ug/L	< 1		031912	1	EPA8270
Dibenzofuran	ug/L	< 1		031912	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

rn = 4924 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.06 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		031912	1	EPA8270
Diethyl Phthalate	ug/L	< 1		031912	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		031912	1	EPA8270
Fluorene	ug/L	< 1		031912	1	EPA8270
4-Nitroaniline	ug/L	< 1		031912	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		031912	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		031912	1	EPA8270
Hexachlorobenzene	ug/L	< 1		031912	1	EPA8270
Phenanthrene	ug/L	< 1		031912	1	EPA8270
Anthracene	ug/L	< 1		031912	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		031912	1	EPA8270
Fluoranthene	ug/L	< 1		031912	1	EPA8270
Pyrene	ug/L	< 1		031912	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		031912	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		031912	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		031912	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.06 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		031912	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	< 1	*	031912	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		031912	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		031912	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		031912	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		031912	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		031912	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		031912	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		031912	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Continuing calibration above qc limit, 27% vs 20%.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.06 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530

ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		031912	1	EPA8270
2-Chlorophenol	ug/L	< 1		031912	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		031912	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		031912	1	EPA8270
2-Nitrophenol	ug/L	< 1		031912	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		031912	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		031912	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		031912	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		031912	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		031912	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		031912	10	EPA8270
4-Nitrophenol	ug/L	< 10		031912	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		031912	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		031912	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.06 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	0.03		032712	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.005		032712	0.005	EPA200.7
Arsenic as As	mg/L	< 0.005		032712	0.005	EPA200.7
Barium as Ba	mg/L	0.26		032712	0.005	EPA200.7
Beryllium as Be	mg/L	< 0.001		032712	0.001	EPA200.7
Cadmium as Cd	mg/L	< 0.005		032712	0.005	EPA200.7
Calcium as Ca	mg/L	42		032712	0.2	EPA200.7
Chromium as Cr	mg/L	< 0.005		032712	0.005	EPA200.7
Cobalt as Co	mg/L	0.007		032712	0.005	EPA200.7
Copper as Cu	mg/L	< 0.01		032712	0.01	EPA200.7
Iron as Fe	mg/L	0.14		032712	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		032712	0.005	EPA200.7
Magnesium as Mg	mg/L	12		032712	0.005	EPA200.7
Manganese as Mn	mg/L	1.0		032712	0.01	EPA200.7
Mercury as Hg	mg/L	< 0.0002		032012	0.000	EPA245.1
Nickel as Ni	mg/L	0.02		032712	0.01	EPA200.7
Potassium as K	mg/L	6		032712	1	EPA200.7
Selenium as Se	mg/L	< 0.01		032712	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		032712	0.005	EPA200.7
Sodium as Na	mg/L	59		032712	1	EPA200.7
Thallium as Tl	mg/L	0.008	B	032712	0.005	EPA200.7
Vanadium as V	mg/L	< 0.005		032712	0.005	EPA200.7
Zinc as Zn	mg/L	0.02		032712	0.01	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS: B-Analyte is detected in the associated blank as well as in the sample.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.06 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		032312	0.05	EPA608
Heptachlor	ug/L	< 0.05		032312	0.05	EPA608
Aldrin	ug/L	< 0.05		032312	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		032312	0.05	EPA608
p,p-DDE	ug/L	< 0.05		032312	0.05	EPA608
Dieldrin	ug/L	< 0.05		032312	0.05	EPA608
Endrin	ug/L	< 0.05		032312	0.05	EPA608
p,p-DDD	ug/L	< 0.05		032312	0.05	EPA608
p,p-DDT	ug/L	< 0.1		032312	0.1	EPA608
Chlordane	ug/L	< 0.2		032312	0.2	EPA608
Toxaphene	ug/L	< 1		032312	1	EPA608
Endrin Aldehyde	ug/L	< 0.3		032312	0.3	EPA608
a BHC	ug/L	< 0.05		032312	0.05	EPA608
b BHC	ug/L	< 0.05		032312	0.05	EPA608
d BHC	ug/L	< 0.05		032312	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		032312	0.1	EPA608
Endosulfan 2	ug/L	< 0.1		032312	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		032312	0.3	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

rn = 4929 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.06 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-4

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/L	< 1		032312	1	EPA608
Aroclor 1221	ug/L	< 1		032312	1	EPA608
Aroclor 1232	ug/L	< 1		032312	1	EPA608
Aroclor 1242	ug/L	< 1		032312	1	EPA608
Aroclor 1248	ug/L	< 1		032312	1	EPA608
Aroclor 1254	ug/L	< 1		032312	1	EPA608
Aroclor 1260	ug/L	< 1		032312	1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR [signature]

MS/MSD Recovery Result Summary (VOC EPA 8260) GCMSV4

Instrument ID: GC/MSV4
Date of Analysis: 03/20/12
Sample Spiked: 120963.06 (120963.08, 120963.10).
Associated Samples: 120963.01 --> 120963.12.

Compound	Unspiked Conc. (ug/L)	Spike Added (ug/L)	MS Conc. (ug/L)	MS Recov. (%)	MSD Conc. (ug/L)	MSD Recov. (%)	RPD* (%)	Recovery Limits (%)	RPD* Limits (%)	#
Dichlorodifluoromethane	0	20	18.8	94	19.0	95	1	47 --> 135	23	
Chlorodifluoromethane	0	20	20.9	104	19.9	99	5	63 -->138	26	
Chloromethane	0	20	19.7	98	20.1	101	2	61 -->130	20	
Vinyl chloride	0	20	21.2	106	21.3	106	1	61 --. 138	16	
Bromomethane	0	20	20.6	103	20.2	101	2	47 -->129	27	
Chloroethane	0	20	21.4	107	20.5	103	4	65 -->123	23	
Trichlorofluoromethane	0	20	20.5	102	20.5	103	0	66 -->139	20	
Freon 113	0	20	20.9	104	21.0	105	1	71 -->123	19	
1,1-Dichloroethene	0	20	20.6	103	21.2	106	3	50 -->126	20	
Acetone	0	100	85.2	85	86.7	87	2	44-->146	19	
Methylene chloride	0	20	20.1	101	20.3	101	1	76 -->124	16	
trans-1,2-Dichloroethene	0	20	20.8	104	21.3	106	2	79-->122	16	
tert-butyl methyl Ether	0	20	19.4	97	19.9	100	3	71 -->124	12	
1,1-Dichloroethane	0	20	21.0	105	20.9	105	0	79 -->123	17	
2,2-Dichloropropane	0	20	18.9	94	18.9	95	0	80 -->116	18	
cis-1,2-Dichloroethene	0	20	20.8	104	21.2	106	2	80 -->123	15	
Methyl ethyl ketone	0	100	88.7	89	91.7	92	3	60 -->130	21	
Chloroform	1.2	20	21.5	101	21.6	102	0	80 -->126	15	
Bromochloromethane	0	20	21.3	107	21.1	105	1	82 -->123	16	
1,1,1-Trichloroethane	0	20	21.6	108	20.9	105	3	75 -->128	15	
1,1-Dichloropropene	0	20	20.6	103	21.1	105	2	79 -->125	15	
Carbon tetrachloride	0	20	20.7	104	21.0	105	1	66 -->133	15	
Benzene	0	20	20.9	104	20.5	102	2	82 -->119	11	
1,2-Dichloroethane	0	20	18.1	91	18.5	93	2	74-->123	17	
Trichloroethene	0	20	20.6	103	20.0	100	3	80 -->124	12	
1,2-Dichloropropane	0	20	20.3	101	20.5	103	1	81-->121	14	
Bromodichloromethane	0	20	21.5	108	21.3	106	1	76 -->125	13	
Dibromomethane	0	20	20.5	102	19.8	99	3	74 -->124	15	
cis-1,3-Dichloropropene	0	20	20.2	101	20.0	100	1	78 ->118	12	
Methyl isobutyl ketone	0	100	91.1	91	90.2	90	1	66 -->126	14	
Toluene	0	20	20.9	104	20.9	104	0	71 -->131	13	
trans-1,3-Dichloropropene	0	20	20.0	100	19.7	98	2	67 -->124	14	
1,1,2-Trichloroethane	0	20	20.3	102	19.1	96	6	78-->119	16	
Tetrachloroethene	0	20	21.5	108	22.0	110	2	63 -->131	16	
1,3-Dichloropropane	0	20	20.3	102	19.9	99	2	80 -->118	15	
Dibromochloromethane	0	20	20.0	100	20.4	102	2	75-->118	14	
1,2-Dibromoethane	0	20	19.8	99	20.5	102	3	78 -->113	16	

MS/MSD Recovery Result Summary (VOC EPA 8260) GCMSV4

Instrument ID: GC/MSV4
Date of Analysis: 03/20/12
Sample Spiked: 120963.06 (120963.08, 120963.10).
Associated Samples: 120963.01 --> 120963.12.

Compound	Unspiked Conc. (ug/L)	Spike Added (ug/L)	MS Conc. (ug/L)	MS Recov. (%)	MSD Conc. (ug/L)	MSD Recov. (%)	RPD* (%)	Recovery Limits (%)	RPD* Limits (%)	#
Chlorobenzene	0	20	20.7	103	21.1	105	2	83-->115	14	
1,1,1,2-Tetrachloroethane	0	20	20.1	100	21.4	107	7	76 -->118	14	
Ethyl Benzene	0	20	21.2	106	21.6	108	2	81 -->117	13	
M+P-Xylene	0.5	40	42.1	104	43.1	107	2	73-->122	13	
O-Xylene	0.2	20	21.1	105	21.3	106	1	78 -->119	14	
Styrene	0	20	20.6	103	20.8	104	1	81 -->113	18	
Bromoform	0	20	19.3	97	19.8	99	2	66 -->122	15	
Isopropylbenzene	0	20	21.8	109	21.1	106	3	82 -->121	12	
1,1,2,2-Tetrachloroethane	0	20	18.8	94	18.9	95	1	73 -->118	15	
1,2,3-Trichloropropane	0	20	18.5	92	18.0	90	3	66 -->125	15	
Bromobenzene	0	20	20.7	104	20.7	103	0	82 -->117	13	
n-Propylbenzene	0	20	21.6	108	21.1	105	2	78 -->124	12	
p-Ethyltoluene	0	20	21.2	106	20.8	104	2	78 -->125	11	
2-Chlorotoluene	0	20	21.4	107	20.7	104	3	80 -->117	14	
1,3,5-Trimethylbenzene	0	20	21.3	106	21.1	106	1	79-->122	13	
4-Chlorotoluene	0	20	21.7	108	20.9	104	4	82 -->118	15	
tert-Butylbenzene	0	20	21.2	106	21.4	107	1	79 -->125	17	
1,2,4-Trimethylbenzene	0	20	21.0	105	20.7	103	2	75 -->128	12	
sec-Butylbenzene	0	20	21.2	106	21.0	105	1	73 -->124	14	
p-Isoproyltoluene	0	20	21.3	106	21.0	105	2	75 -->124	12	
1,3-Dichlorobenzene	0	20	20.6	103	21.0	105	2	77 -->121	12	
1,4-Dichlorobenzene	0	20	20.4	102	20.4	102	0	75 -->121	14	
p-Diethylbenzene	0	20	21.2	106	21.0	105	1	65 -->133	15	
n-Butylbenzene	0	20	21.3	107	20.9	105	2	65 -->132	17	
1,2-Dichlorobenzene	0	20	20.6	103	20.3	101	2	81 -->116	11	
1,2,4,5-Tetramethylbenzene	0	20	20.9	105	20.9	104	0	67-->132	15	
1,2-Dibromo-3-chloropropane	0	20	17.7	88	18.0	90	2	62-->120	18	
1,2,4-Tirchlorobenzene	0	20	19.8	99	19.8	99	0	64 -->127	16	
Hexachlorobutadiene	0	20	20.1	101	20.5	102	2	58-->135	21	
Naphthalene	0	20	18.3	92	18.6	93	2	61 -->126	17	
1,2,3-Trichlorobenzene	0	20	18.9	94	18.9	94	0	61 -->124	16	

*RPD= Relative Percent Difference.

#-Column used to flag out of control results.

M- Duplicate Precision not met (RPD exceeds limit).

N- Spike Sample Recovery not within control limits..

EcoTest Labs

Conformance/Nonconformance Summary

8270

for lab#120963..01, .03, .06, .08(ms), .10(msd), & .12

* Matrix Spike & Matrix Spike Duplicate RPD

Following compound out of qc range:

	ms	msd		ms	msd
bis(2-chloroethyl)ether	23% vs 31%	20% vs 31%	carbazole		22% vs 26%
bis(2-chloroisopropyl)ether		21% vs 24%	di-n-butylphthalate	27% vs 31%	23% vs 31%
n-nitroso-di-n-propylamine	26% vs 33%	26% vs 33%	bis(2-ethylhexyl)phthalate		25% vs 26%
nitrobenzene	21% vs 22%	19% vs 22%	2-chlorophenol	21% vs 25%	19% vs 25%
isophorone	24% vs 31%	22% vs 31%	2 nitrophenol		31% vs 33%
bis(2-chloroethoxy)methane	24% vs 27%	21% vs 27%	2,4 dichlorophenol	30% vs 32%	28% vs 32%
dibenzofuran		33% vs 35%	2,4,6 trichlorophenol	35% vs 37%	35% vs 37%
diethylphthalate		24% vs 26%	2,4,5 trichlorophenol	35% vs 38%	35% vs 38%
4 chlorophenylphenyl ether	26% vs 36%	23% vs 36%	2,4 dinitrophenol	12% vs 24%	
n-nitrosodiphenylamine		22% vs 24%	4,6 dinitro-2-methylphenol	13% vs 34%	31% vs 34%
4 bromophenylphenyl ether	26% vs 27%	23% vs 27%	pentachlorophenol	27% vs 35%	31% vs 35%
hexachlorobenzene		22% vs 23%			

Summary of Matrix Spike Matrix Spike Duplicate Results

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

Client Name:	EEA	Analyst:	M. Henehan
Sample Lab Numbers:	120963.01, .03, .06, .08, .10	Method:	8270
	& 120963.12		
Date Sample(s) Received:	3/16/12	Analyte:	bna
Date(s) of Analysis:	3/19/12	Matrix:	water

Units = ug/L(water)			03191216.d		03191217.d				
SVGCMS1	03191215.d		ecs11-1		ecs11-1				
	smp	Spike	ms	%	msd	%		limits	
COMPOUNDS	120963.06	Conc.	120963.08	Rec	120963.10	Rec	%rpd	rpd	rec
Bis(2-chloroethyl)ether	0	30	22.5	75	19.8	66	13	47	31-125
1,3 Dichlorobenzene	0	30	16.7	56	16.0	53	4	53	11-123
1,4 Dichlorobenzene	0	30	18.0	60	17.4	58	4	46	16-103
1,2 Dichlorobenzene	0	30	18.6	62	17.8	59	4	47	17-123
Bis(2-chloroisopropyl)ether	0	30	24.1	80	21.4	71	12	45	24-138
N-nitroso-di-n-propylamine	0	30	26.0	87	23.8	79	9	44	33-140
Hexachloroethane	0	30	14.0	47	13.4	45	4	51	9.2-121
Nitrobenzene	0	30	21.4	71	19.1	64	11	45	22-120
Isophorone	0	30	24.3	81	21.6	72	12	46	31-138
Bis(2-chloroethoxy)methane	0	30	24.4	81	21.4	71	13	47	27-134
1,2,4 Trichlorobenzene	0	30	18.8	63	16.8	56	11	48	17-126
Naphthalene	0	30	21.4	71	19.0	63	12	55	DL-133
4 Chloroaniline	0	50	36.2	72	33.3	67	8	154	DL-219
Hexachlorobutadiene	0	30	14.7	49	12.2	41	18	49	12-125
2 Methylnaphthalene	0	50	33.3	67	31.2	62	7	56	23-199
2 Nitroaniline	0	50	42.3	85	39.5	79	7	56	23-201
Hexachlorocyclopentadiene	0	30	11.9	40	10.1	34	16	60	6.8-115
2 Chloronaphthalene	0	30	22.7	76	19.6	65	15	44	31-134
Dimethylphthalate	0	30	27.0	90	23.4	78	14	39	22-155
2,6 Dinitrotoluene	0	30	29.1	97	26.2	87	11	39	29-163
Acenaphthylene	0	30	24.8	83	22.4	75	10	52	7.8-158
3 Nitroaniline	0	50	34.9	70	33.1	66	5	50	DL-206
Acenaphthene	0	30	24.1	80	20.9	70	14	52	12-150
Dibenzofuran	0	50	35.9	72	33.1	66	8	55	35-160
2,4 Dinitrotoluene	0	30	27.1	90	24.9	83	9	40	18-154
Diethylphthalate	0	30	27.3	91	24.0	80	13	40	26-158
4 Chlorophenylphenyl ether	0	30	26.3	88	22.5	75	15	41	36-128
Fluorene	0	30	25.8	86	22.0	73	16	50	17-156
4 Nitroaniline	0	50	35.3	71	33.2	66	6	44	DL-239
N-Nitrosodiphenylamine	0	30	25.7	86	21.9	73	16	57	24-156
4 Bromophenylphenyl ether	0	30	26.1	87	21.6	72	19	45	27-151
Hexachlorobenzene	0	30	25.6	85	21.6	72	17	43	23-157
Phenanthrene	0	30	24.8	83	21.1	70	16	52	15-156
Anthracene	0	30	25.9	86	21.6	72	18	51	16-160
Carbazole	0	30	27.0	90	22.4	75	18	42	26-171

Summary of Matrix Spike Matrix Spike Duplicate Results

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

Client Name:	EEA			Analyst:	M. Henehan				
Sample Lab Numbers:	120963.01, .03, .06, .08, .10			Method:	8270				
	& 120963.12								
Date Sample(s) Received:	3/16/12			Analyte:	bna				
Date(s) of Analysis:	3/19/12			Matrix:	water				
Units = ug/L (water)			03191216.d		03191217.d				
SVGCMS1	03191215.d		ecs11-1		ecs11-1				
	smp	Spike	ms	%	msd	%		limits	
COMPOUNDS	120963.06	Conc.	120963.08	Rec	120963.10	Rec	%rpd	rpd	rec
Di-n-butylphthalate	0	30	26.7	89	22.9	76	15	39	31-164
Fluoranthene	0	30	25.5	85	21.5	72	17	51	14-164
Pyrene	0	30	26.6	89	23.2	77	14	56	12-166
Butylbenzylphthalate	0	30	29.0	97	25.3	84	13	49	25-170
Bis(2-ethylhexyl)phthalate	0	30	28.5	95	24.6	82	15	38	26-150
Benzo(a)anthracene	0	30	25.2	84	21.1	70	18	56	13-162
Chrysene	0	30	23.9	80	20.7	69	14	54	15-160
3,3' Dichlorobenzidine	0	50	50.3	101	37.6	75	29	157	DL-214
Di-n-octyl phthalate	0	30	31.6	105	27.0	90	16	47	DL-180
Benzo(b)fluoranthene	0	30	28.8	96	24.3	81	17	59	7.2-173
Benzo(k)fluoranthene	0	30	26.3	88	21.3	71	21	60	19-159
Benzo(a)pyrene	0	30	27.9	93	23.9	80	15	58	15-168
Dibenzo(a,h)anthracene	0	30	32.1	107	26.3	88	20	58	24-161
Indeno(1,2,3-cd)pyrene	0	30	30.9	103	26.1	87	17	57	26-159
Benzo(g,h,i)perylene	0	30	29.0	97	24.3	81	17	61	22-193
Phenol	0	50	5.90	12	5.00	10	17	53	DL-101
2 Chlorophenol	0	50	20.6	41	18.6	37	10	49	25-93
2 Methylphenol	0	50	17.0	34	14.3	29	17	108	DL-132
4 Methylphenol	0	50	14.0	28	12.1	24	15	68	DL-129
2,4 Dimethylphenol	0	50	34.0	68	30.0	60	12	138	DL-165
2 Nitrophenol	0	50	32.3	65	30.7	61	5	141	33-102
2,4 Dichlorophenol	0	50	30.1	60	27.5	55	9	46	32-103
4-chloro-3-methylphenol	0	50	28.2	56	25.3	51	11	57	7.4-120
2,4,6 Trichlorophenol	0	50	34.5	69	34.6	69	0	45	37-118
2,4,5 Trichlorophenol	0	50	35.9	72	34.5	69	4	46	38-117
2,4 Dinitrophenol	0	50	12.3	25	29.6	59	83	67	24-112
4 Nitrophenol	0	50	7.76	16	8.46	17	9	55	DL-116
4,6 Dinitro-2-methylphenol	0	50	13.2	26	31.2	62	81	62	34-116
Pentachlorophenol	0	50	26.6	53	30.8	62	15	56	35-130

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.07 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1030
MATRIX:Water SAMPLE: GW-4 DISSOLVED

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.01		032712	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.005		032712	0.005	EPA200.7
Arsenic as As	mg/L	< 0.005		032712	0.005	EPA200.7
Barium as Ba	mg/L	0.26		032712	0.005	EPA200.7
Beryllium as Be	mg/L	< 0.001		032712	0.001	EPA200.7
Cadmium as Cd	mg/L	< 0.005		032712	0.005	EPA200.7
Calcium as Ca	mg/L	40		032712	0.2	EPA200.7
Chromium as Cr	mg/L	< 0.005		032712	0.005	EPA200.7
Cobalt as Co	mg/L	0.007		032712	0.005	EPA200.7
Copper as Cu	mg/L	< 0.01		032712	0.01	EPA200.7
Iron as Fe	mg/L	< 0.01		032712	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		032712	0.005	EPA200.7
Magnesium as Mg	mg/L	12		032712	0.005	EPA200.7
Manganese as Mn	mg/L	0.97		032712	0.01	EPA200.7
Mercury as Hg	mg/L	< 0.0002		032012	0.000	EPA245.1
Nickel as Ni	mg/L	0.02		032712	0.01	EPA200.7
Potassium as K	mg/L	5.7		032712	1	EPA200.7
Selenium as Se	mg/L	< 0.01		032712	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		032712	0.005	EPA200.7
Sodium as Na	mg/L	57		032712	1	EPA200.7
Thallium as Tl	mg/L	0.01	B	032712	0.005	EPA200.7
Vanadium as V	mg/L	< 0.005		032712	0.005	EPA200.7
Zinc as Zn	mg/L	0.02		032712	0.01	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was filtered by EcoTest.
B-Analyte is detected in the associated blank as well as in the sample.

Thomas Powell
DIRECTOR

rn = 4931 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.08 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MS

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	19		032112	1	EPA8260
Chloromethane	ug/L	20		032112	1	EPA8260
Vinyl Chloride	ug/L	21		032112	1	EPA8260
Bromomethane	ug/L	21		032112	1	EPA8260
Chloroethane	ug/L	21		032112	1	EPA8260
Trichlorofluoromethane	ug/L	21		032112	1	EPA8260
1,1 Dichloroethene	ug/L	21		032112	1	EPA8260
Methylene Chloride	ug/L	20		032112	1	EPA8260
t-1,2-Dichloroethene	ug/L	21		032112	1	EPA8260
1,1 Dichloroethane	ug/L	21		032112	1	EPA8260
2,2-Dichloropropane	ug/L	19		032112	1	EPA8260
c-1,2-Dichloroethene	ug/L	21		032112	1	EPA8260
Bromochloromethane	ug/L	21		032112	1	EPA8260
Chloroform	ug/L	22		032112	1	EPA8260
111 Trichloroethane	ug/L	22		032112	1	EPA8260
Carbon Tetrachloride	ug/L	21		032112	1	EPA8260
1,1-Dichloropropene	ug/L	21		032112	1	EPA8260
Benzene	ug/L	21		032112	1	EPA8260
1,2 Dichloroethane	ug/L	18		032112	1	EPA8260
Trichloroethene	ug/L	21		032112	1	EPA8260
1,2 Dichloropropane	ug/L	20		032112	1	EPA8260
Dibromomethane	ug/L	21		032112	1	EPA8260
Bromodichloromethane	ug/L	22		032112	1	EPA8260
c-1,3Dichloropropene	ug/L	20		032112	1	EPA8260
Toluene	ug/L	21		032112	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.08 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MS

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	20		032112	1	EPA8260
112 Trichloroethane	ug/L	20		032112	1	EPA8260
Tetrachloroethene	ug/L	22		032112	1	EPA8260
1,3-Dichloropropane	ug/L	20		032112	1	EPA8260
Chlorodibromomethane	ug/L	20		032112	1	EPA8260
1,2 Dibromoethane	ug/L	20		032112	1	EPA8260
Chlorobenzene	ug/L	21		032112	1	EPA8260
Ethyl Benzene	ug/L	21		032112	1	EPA8260
1112Tetrachloroethane	ug/L	20		032112	1	EPA8260
m + p Xylene	ug/L	42		032112	2	EPA8260
o Xylene	ug/L	21		032112	1	EPA8260
Styrene	ug/L	21		032112	1	EPA8260
Bromoform	ug/L	19		032112	1	EPA8260
Isopropylbenzene	ug/L	22		032112	1	EPA8260
Bromobenzene	ug/L	21		032112	1	EPA8260
1122Tetrachloroethane	ug/L	19		032112	1	EPA8260
123-Trichloropropane	ug/L	19		032112	1	EPA8260
n-Propylbenzene	ug/L	22		032112	1	EPA8260
2-Chlorotoluene	ug/L	21		032112	1	EPA8260
135-Trimethylbenzene	ug/L	21		032112	1	EPA8260
4-Chlorotoluene	ug/L	22		032112	1	EPA8260
tert-Butylbenzene	ug/L	21		032112	1	EPA8260
124-Trimethylbenzene	ug/L	21		032112	1	EPA8260
sec-Butylbenzene	ug/L	21		032112	1	EPA8260
p-Isopropyltoluene	ug/L	21		032112	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR [signature]

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.08 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MS

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	21		032112	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	20		032112	1	EPA8260
n-Butylbenzene	ug/L	21		032112	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	21		032112	1	EPA8260
Dibromochloropropane	ug/L	18		032112	1	EPA8260
124-Trichlorobenzene (v)	ug/L	20		032112	1	EPA8260
Hexachlorobutadiene	ug/L	20		032112	1	EPA8260
Naphthalene(v)	ug/L	18		032112	1	EPA8260
123-Trichlorobenzene	ug/L	19		032112	1	EPA8260
ter.ButylMethylEther	ug/L	19		032112	1	EPA8260
p-Ethyltoluene	ug/L	21		032112	1	EPA8260
Freon 113	ug/L	21		032112	1	EPA8260
1245 Tetramethylbenz	ug/L	21		032112	1	EPA8260
Acetone	ug/L	85		032112	10	EPA8260
Methyl Ethyl Ketone	ug/L	89		032112	10	EPA8260
Methylisobutylketone	ug/L	91		032112	10	EPA8260
Chlorodifluoromethane	ug/L	19		032112	1	EPA8260
p Diethylbenzene	ug/L	21		032112	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.08 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MS

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	23		031912	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	17		031912	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	18		031912	1	EPA8270
Carbazole	ug/L	27		031912	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	19		031912	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	24		031912	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	26		031912	1	EPA8270
Hexachloroethane	ug/L	14		031912	1	EPA8270
Nitrobenzene	ug/L	21		031912	1	EPA8270
Isophorone	ug/L	24		031912	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	24		031912	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	19		031912	1	EPA8270
Naphthalene(sv)	ug/L	21		031912	1	EPA8270
4-Chloroaniline	ug/L	36		031912	1	EPA8270
Hexachlorobutadiene	ug/L	15		031912	1	EPA8270
2-Methylnaphthalene	ug/L	33		031912	1	EPA8270
Hexachlorocyclopentadiene	ug/L	12		031912	10	EPA8270
2-Chloronaphthalene	ug/L	23		031912	1	EPA8270
2-Nitroaniline	ug/L	42		031912	1	EPA8270
Dimethyl Phthalate	ug/L	27		031912	1	EPA8270
Acenaphthylene	ug/L	25		031912	1	EPA8270
2,6-Dinitrotoluene	ug/L	29		031912	1	EPA8270
3-Nitroaniline	ug/L	35		031912	1	EPA8270
Acenaphthene	ug/L	24		031912	1	EPA8270
Dibenzofuran	ug/L	36		031912	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.08 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MS

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	27		031912	1	EPA8270
Diethyl Phthalate	ug/L	27		031912	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	26		031912	1	EPA8270
Fluorene	ug/L	26		031912	1	EPA8270
4-Nitroaniline	ug/L	35		031912	1	EPA8270
N-Nitrosodiphenylamine	ug/L	26		031912	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	26		031912	1	EPA8270
Hexachlorobenzene	ug/L	26		031912	1	EPA8270
Phenanthrene	ug/L	25		031912	1	EPA8270
Anthracene	ug/L	26		031912	1	EPA8270
Di-n-Butyl Phthalate	ug/L	27		031912	1	EPA8270
Fluoranthene	ug/L	25		031912	1	EPA8270
Pyrene	ug/L	27		031912	1	EPA8270
BenzylButylPhthalate	ug/L	29		031912	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	50		031912	10	EPA8270
Benzo(a)anthracene	ug/L	25		031912	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.08 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MS

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	24		031912	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	28		031912	1	EPA8270
Di-n-octyl Phthalate	ug/L	32		031912	1	EPA8270
Benzo(b)fluoranthene	ug/L	29		031912	1	EPA8270
Benzo(k)fluoranthene	ug/L	26		031912	1	EPA8270
Benzo(a)pyrene	ug/L	28		031912	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	31		031912	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	32		031912	1	EPA8270
Benzo(ghi)perylene	ug/L	29		031912	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.08 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MS

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	5.9		031912	1	EPA8270
2-Chlorophenol	ug/L	21		031912	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	17		031912	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	14		031912	1	EPA8270
2-Nitrophenol	ug/L	32		031912	1	EPA8270
2,4-Dimethylphenol	ug/L	34		031912	1	EPA8270
2,4-Dichlorophenol	ug/L	30		031912	1	EPA8270
4-Chloro-3-methylphenol	ug/L	28		031912	1	EPA8270
2,4,6-Trichlorophenol	ug/L	34		031912	1	EPA8270
2,4,5-Trichlorophenol	ug/L	36		031912	1	EPA8270
2,4-Dinitrophenol	ug/L	12		031912	10	EPA8270
4-Nitrophenol	ug/L	7.8		031912	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	13		031912	10	EPA8270
Pentachlorophenol (ms)	ug/L	27		031912	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR TW Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.08 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MS

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	21		032712	0.01	EPA200.7
Antimony as Sb	mg/L	0.2		032712	0.005	EPA200.7
Arsenic as As	mg/L	0.39		032712	0.005	EPA200.7
Barium as Ba	mg/L	0.64		032712	0.005	EPA200.7
Beryllium as Be	mg/L	0.4		032712	0.001	EPA200.7
Cadmium as Cd	mg/L	0.39		032712	0.005	EPA200.7
Calcium as Ca	mg/L	62		032712	0.2	EPA200.7
Chromium as Cr	mg/L	0.39		032712	0.005	EPA200.7
Cobalt as Co	mg/L	0.39		032712	0.005	EPA200.7
Copper as Cu	mg/L	0.41		032712	0.01	EPA200.7
Iron as Fe	mg/L	21		032712	0.01	EPA200.7
Lead as Pb	mg/L	0.38		032712	0.005	EPA200.7
Magnesium as Mg	mg/L	33		032712	0.005	EPA200.7
Manganese as Mn	mg/L	1.4		032712	0.01	EPA200.7
Mercury as Hg	mg/L	0.0041		032012	0.000	EPA245.1
Nickel as Ni	mg/L	0.41		032712	0.01	EPA200.7
Potassium as K	mg/L	12		032712	1	EPA200.7
Selenium as Se	mg/L	0.41		032712	0.01	EPA200.7
Silver as Ag	mg/L	0.088		032712	0.005	EPA200.7
Sodium as Na	mg/L	65		032712	1	EPA200.7
Thallium as Tl	mg/L	0.42	B	032712	0.005	EPA200.7
Vanadium as V	mg/L	0.4		032712	0.005	EPA200.7
Zinc as Zn	mg/L	0.42		032712	0.01	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.
B-Analyte detected in associated blank as well as sample.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.08 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MS

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	0.87		032312	0.05	EPA608
Heptachlor	ug/L	0.87		032312	0.05	EPA608
Aldrin	ug/L	0.82		032312	0.05	EPA608
Heptachlor Epoxide	ug/L	0.92		032312	0.05	EPA608
p,p-DDE	ug/L	0.92		032312	0.05	EPA608
Dieldrin	ug/L	0.93		032312	0.05	EPA608
Endrin	ug/L	0.97		032312	0.05	EPA608
p,p-DDD	ug/L	0.97		032312	0.05	EPA608
p,p-DDT	ug/L	0.98		032312	0.1	EPA608
Chlordane	ug/L	< 0.2		032312	0.2	EPA608
Toxaphene	ug/L	< 1		032312	1	EPA608
Endrin Aldehyde	ug/L	0.88		032312	0.3	EPA608
a BHC	ug/L	0.86		032312	0.05	EPA608
b BHC	ug/L	0.87		032312	0.05	EPA608
d BHC	ug/L	0.88		032312	0.05	EPA608
Endosulfan 1	ug/L	0.94		032312	0.1	EPA608
Endosulfan 2	ug/L	1.0		032312	0.1	EPA608
Endosulfan Sulfate	ug/L	0.93		032312	0.3	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.08 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MS

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/L	< 1		032312	1	EPA608
Aroclor 1221	ug/L	< 1		032312	1	EPA608
Aroclor 1232	ug/L	< 1		032312	1	EPA608
Aroclor 1242	ug/L	< 1		032312	1	EPA608
Aroclor 1248	ug/L	< 1		032312	1	EPA608
Aroclor 1254	ug/L	< 1		032312	1	EPA608
Aroclor 1260	ug/L	< 1		032312	1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

MS/MSD Recovery Result Summary (VOC EPA 8260) GCMSV4

Instrument ID: GC/MSV4
Date of Analysis: 03/20/12
Sample Spiked: 120963.06 (120963.08, 120963.10).
Associated Samples: 120963.01 --> 120963.12.

Compound	Unspiked Conc. (ug/L)	Spike Added (ug/L)	MS Conc. (ug/L)	MS Recov. (%)	MSD Conc. (ug/L)	MSD Recov. (%)	RPD* (%)	Recovery Limits (%)	RPD* Limits (%)	#
Dichlorodifluoromethane	0	20	18.8	94	19.0	95	1	47 --> 135	23	
Chlorodifluoromethane	0	20	20.9	104	19.9	99	5	63 -->138	26	
Chloromethane	0	20	19.7	98	20.1	101	2	61 -->130	20	
Vinyl chloride	0	20	21.2	106	21.3	106	1	61 --. 138	16	
Bromomethane	0	20	20.6	103	20.2	101	2	47 -->129	27	
Chloroethane	0	20	21.4	107	20.5	103	4	65 -->123	23	
Trichlorofluoromethane	0	20	20.5	102	20.5	103	0	66 -->139	20	
Freon 113	0	20	20.9	104	21.0	105	1	71 -->123	19	
1,1-Dichloroethene	0	20	20.6	103	21.2	106	3	50 -->126	20	
Acetone	0	100	85.2	85	86.7	87	2	44-->146	19	
Methylene chloride	0	20	20.1	101	20.3	101	1	76 -->124	16	
trans-1,2-Dichloroethene	0	20	20.8	104	21.3	106	2	79-->122	16	
tert-butyl methyl Ether	0	20	19.4	97	19.9	100	3	71 -->124	12	
1,1-Dichloroethane	0	20	21.0	105	20.9	105	0	79 -->123	17	
2,2-Dichloropropane	0	20	18.9	94	18.9	95	0	80 -->116	18	
cis-1,2-Dichloroethene	0	20	20.8	104	21.2	106	2	80 -->123	15	
Methyl ethyl ketone	0	100	88.7	89	91.7	92	3	60 -->130	21	
Chloroform	1.2	20	21.5	101	21.6	102	0	80 -->126	15	
Bromochloromethane	0	20	21.3	107	21.1	105	1	82 -->123	16	
1,1,1-Trichloroethane	0	20	21.6	108	20.9	105	3	75 -->128	15	
1,1-Dichloropropene	0	20	20.6	103	21.1	105	2	79 -->125	15	
Carbon tetrachloride	0	20	20.7	104	21.0	105	1	66 -->133	15	
Benzene	0	20	20.9	104	20.5	102	2	82 -->119	11	
1,2-Dichloroethane	0	20	18.1	91	18.5	93	2	74-->123	17	
Trichloroethene	0	20	20.6	103	20.0	100	3	80 -->124	12	
1,2-Dichloropropane	0	20	20.3	101	20.5	103	1	81-->121	14	
Bromodichloromethane	0	20	21.5	108	21.3	106	1	76 -->125	13	
Dibromomethane	0	20	20.5	102	19.8	99	3	74 -->124	15	
cis-1,3-Dichloropropene	0	20	20.2	101	20.0	100	1	78 ->118	12	
Methyl isobutyl ketone	0	100	91.1	91	90.2	90	1	66 -->126	14	
Toluene	0	20	20.9	104	20.9	104	0	71 -->131	13	
trans-1,3-Dichloropropene	0	20	20.0	100	19.7	98	2	67 -->124	14	
1,1,2-Trichloroethane	0	20	20.3	102	19.1	96	6	78-->119	16	
Tetrachloroethene	0	20	21.5	108	22.0	110	2	63 -->131	16	
1,3-Dichloropropane	0	20	20.3	102	19.9	99	2	80 -->118	15	
Dibromochloromethane	0	20	20.0	100	20.4	102	2	75-->118	14	
1,2-Dibromoethane	0	20	19.8	99	20.5	102	3	78 -->113	16	

MS/MSD Recovery Result Summary (VOC EPA 8260) GCMSV4

Instrument ID: GC/MSV4
Date of Analysis: 03/20/12
Sample Spiked: 120963.06 (120963.08, 120963.10).
Associated Samples: 120963.01 --> 120963.12.

Compound	Unspiked Conc. (ug/L)	Spike Added (ug/L)	MS Conc. (ug/L)	MS Recov. (%)	MSD Conc. (ug/L)	MSD Recov. (%)	RPD* (%)	Recovery Limits (%)	RPD* Limits (%)	#
Chlorobenzene	0	20	20.7	103	21.1	105	2	83-->115	14	
1,1,1,2-Tetrachloroethane	0	20	20.1	100	21.4	107	7	76 -->118	14	
Ethyl Benzene	0	20	21.2	106	21.6	108	2	81 -->117	13	
M+P-Xylene	0.5	40	42.1	104	43.1	107	2	73-->122	13	
O-Xylene	0.2	20	21.1	105	21.3	106	1	78 -->119	14	
Styrene	0	20	20.6	103	20.8	104	1	81 -->113	18	
Bromoform	0	20	19.3	97	19.8	99	2	66 -->122	15	
Isopropylbenzene	0	20	21.8	109	21.1	106	3	82 -->121	12	
1,1,2,2-Tetrachloroethane	0	20	18.8	94	18.9	95	1	73 -->118	15	
1,2,3-Trichloropropane	0	20	18.5	92	18.0	90	3	66 -->125	15	
Bromobenzene	0	20	20.7	104	20.7	103	0	82 -->117	13	
n-Propylbenzene	0	20	21.6	108	21.1	105	2	78 -->124	12	
p-Ethyltoluene	0	20	21.2	106	20.8	104	2	78 -->125	11	
2-Chlorotoluene	0	20	21.4	107	20.7	104	3	80 -->117	14	
1,3,5-Trimethylbenzene	0	20	21.3	106	21.1	106	1	79-->122	13	
4-Chlorotoluene	0	20	21.7	108	20.9	104	4	82 -->118	15	
tert-Butylbenzene	0	20	21.2	106	21.4	107	1	79 -->125	17	
1,2,4-Trimethylbenzene	0	20	21.0	105	20.7	103	2	75 -->128	12	
sec-Butylbenzene	0	20	21.2	106	21.0	105	1	73 -->124	14	
p-Isoproyltoluene	0	20	21.3	106	21.0	105	2	75 -->124	12	
1,3-Dichlorobenzene	0	20	20.6	103	21.0	105	2	77 -->121	12	
1,4-Dichlorobenzene	0	20	20.4	102	20.4	102	0	75 -->121	14	
p-Diethylbenzene	0	20	21.2	106	21.0	105	1	65 -->133	15	
n-Butylbenzene	0	20	21.3	107	20.9	105	2	65 -->132	17	
1,2-Dichlorobenzene	0	20	20.6	103	20.3	101	2	81 -->116	11	
1,2,4,5-Tetramethylbenzene	0	20	20.9	105	20.9	104	0	67-->132	15	
1,2-Dibromo-3-chloropropane	0	20	17.7	88	18.0	90	2	62-->120	18	
1,2,4-Tirchlorobenzene	0	20	19.8	99	19.8	99	0	64 -->127	16	
Hexachlorobutadiene	0	20	20.1	101	20.5	102	2	58-->135	21	
Naphthalene	0	20	18.3	92	18.6	93	2	61 -->126	17	
1,2,3-Trichlorobenzene	0	20	18.9	94	18.9	94	0	61 -->124	16	

*RPD= Relative Percent Difference.

#-Column used to flag out of control results.

M- Duplicate Precision not met (RPD exceeds limit).

N- Spike Sample Recovery not within control limits..

EcoTest Labs

Conformance/Nonconformance Summary
8270
for lab#120963..01, .03, .06, .08(ms), .10(msd), & .12

* Matrix Spike & Matrix Spike Duplicate RPD
Following compound out of qc range:

	ms	msd		ms	msd
bis(2-chloroethyl)ether	23% vs 31%	20% vs 31%	carbazole		22% vs 26%
bis(2-chloroisopropyl)ether		21% vs 24%	di-n-butylphthalate	27% vs 31%	23% vs 31%
n-nitroso-di-n-propylamine	26% vs 33%	26% vs 33%	bis(2-ethylhexyl)phthalate		25% vs 26%
nitrobenzene	21% vs 22%	19% vs 22%	2-chlorophenol	21% vs 25%	19% vs 25%
isophorone	24% vs 31%	22% vs 31%	2 nitrophenol		31% vs 33%
bis(2-chloroethoxy)methane	24% vs 27%	21% vs 27%	2,4 dichlorophenol	30% vs 32%	28% vs 32%
dibenzofuran		33% vs 35%	2,4,6 trichlorophenol	35% vs 37%	35% vs 37%
diethylphthalate		24% vs 26%	2,4,5 trichlorophenol	35% vs 38%	35% vs 38%
4 chlorophenylphenyl ether	26% vs 36%	23% vs 36%	2,4 dinitrophenol	12% vs 24%	
n-nitrosodiphenylamine		22% vs 24%	4,6 dinitro-2-methylphenol	13% vs 34%	31% vs 34%
4 bromophenylphenyl ether	26% vs 27%	23% vs 27%	pentachlorophenol	27% vs 35%	31% vs 35%
hexachlorobenzene		22% vs 23%			

Summary of Matrix Spike Matrix Spike Duplicate Results

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

Client Name:	EEA	Analyst:	M. Henehan
Sample Lab Numbers:	120963.01, .03, .06, .08, .10 & 120963.12	Method:	8270
Date Sample(s) Received:	3/16/12	Analyte:	bna
Date(s) of Analysis:	3/19/12	Matrix:	water

Units = ug/L(water)			03191216.d		03191217.d				
SVGCMS1	03191215.d		ecs11-1		ecs11-1				
	smp	Spike	ms	%	msd	%		limits	
COMPOUNDS	120963.06	Conc.	120963.08	Rec	120963.10	Rec	%rpd	rpd	rec
Bis(2-chloroethyl)ether	0	30	22.5	75	19.8	66	13	47	31-125
1,3 Dichlorobenzene	0	30	16.7	56	16.0	53	4	53	11-123
1,4 Dichlorobenzene	0	30	18.0	60	17.4	58	4	46	16-103
1,2 Dichlorobenzene	0	30	18.6	62	17.8	59	4	47	17-123
Bis(2-chloroisopropyl)ether	0	30	24.1	80	21.4	71	12	45	24-138
N-nitroso-di-n-propylamine	0	30	26.0	87	23.8	79	9	44	33-140
Hexachloroethane	0	30	14.0	47	13.4	45	4	51	9.2-121
Nitrobenzene	0	30	21.4	71	19.1	64	11	45	22-120
Isophorone	0	30	24.3	81	21.6	72	12	46	31-138
Bis(2-chloroethoxy)methane	0	30	24.4	81	21.4	71	13	47	27-134
1,2,4 Trichlorobenzene	0	30	18.8	63	16.8	56	11	48	17-126
Naphthalene	0	30	21.4	71	19.0	63	12	55	DL-133
4 Chloroaniline	0	50	36.2	72	33.3	67	8	154	DL-219
Hexachlorobutadiene	0	30	14.7	49	12.2	41	18	49	12-125
2 Methylnaphthalene	0	50	33.3	67	31.2	62	7	56	23-199
2 Nitroaniline	0	50	42.3	85	39.5	79	7	56	23-201
Hexachlorocyclopentadiene	0	30	11.9	40	10.1	34	16	60	6.8-115
2 Chloronaphthalene	0	30	22.7	76	19.6	65	15	44	31-134
Dimethylphthalate	0	30	27.0	90	23.4	78	14	39	22-155
2,6 Dinitrotoluene	0	30	29.1	97	26.2	87	11	39	29-163
Acenaphthylene	0	30	24.8	83	22.4	75	10	52	7.8-158
3 Nitroaniline	0	50	34.9	70	33.1	66	5	50	DL-206
Acenaphthene	0	30	24.1	80	20.9	70	14	52	12-150
Dibenzofuran	0	50	35.9	72	33.1	66	8	55	35-160
2,4 Dinitrotoluene	0	30	27.1	90	24.9	83	9	40	18-154
Diethylphthalate	0	30	27.3	91	24.0	80	13	40	26-158
4 Chlorophenylphenyl ether	0	30	26.3	88	22.5	75	15	41	36-128
Fluorene	0	30	25.8	86	22.0	73	16	50	17-156
4 Nitroaniline	0	50	35.3	71	33.2	66	6	44	DL-239
N-Nitrosodiphenylamine	0	30	25.7	86	21.9	73	16	57	24-156
4 Bromophenylphenyl ether	0	30	26.1	87	21.6	72	19	45	27-151
Hexachlorobenzene	0	30	25.6	85	21.6	72	17	43	23-157
Phenanthrene	0	30	24.8	83	21.1	70	16	52	15-156
Anthracene	0	30	25.9	86	21.6	72	18	51	16-160
Carbazole	0	30	27.0	90	22.4	75	18	42	26-171

Summary of Matrix Spike Matrix Spike Duplicate Results

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

Client Name:	EEA	Analyst	M. Henehan
Sample Lab Numbers:	120963.01, .03, .06, .08, .10	Method:	8270
	& 120963.12		
Date Sample(s) Received:	3/16/12	Analyte:	bna
Date(s) of Analysis:	3/19/12	Matrix:	water

Units = ug/L (water)			03191216.d		03191217.d				
SVGCMS1	03191215.d		ecs11-1		ecs11-1				
	smp	Spike	ms	%	msd	%		limits	
COMPOUNDS	120963.06	Conc.	120963.08	Rec	120963.10	Rec	%rpd	rpd	rec
Di-n-butylphthalate	0	30	26.7	89	22.9	76	15	39	31-164
Fluoranthene	0	30	25.5	85	21.5	72	17	51	14-164
Pyrene	0	30	26.6	89	23.2	77	14	56	12-166
Butylbenzylphthalate	0	30	29.0	97	25.3	84	13	49	25-170
Bis(2-ethylhexyl)phthalate	0	30	28.5	95	24.6	82	15	38	26-150
Benzo(a)anthracene	0	30	25.2	84	21.1	70	18	56	13-162
Chrysene	0	30	23.9	80	20.7	69	14	54	15-160
3,3' Dichlorobenzidine	0	50	50.3	101	37.6	75	29	157	DL-214
Di-n-octyl phthalate	0	30	31.6	105	27.0	90	16	47	DL-180
Benzo(b)fluoranthene	0	30	28.8	96	24.3	81	17	59	7.2-173
Benzo(k)fluoranthene	0	30	26.3	88	21.3	71	21	60	19-159
Benzo(a)pyrene	0	30	27.9	93	23.9	80	15	58	15-168
Dibenzo(a,h)anthracene	0	30	32.1	107	26.3	88	20	58	24-161
Indeno(1,2,3-cd)pyrene	0	30	30.9	103	26.1	87	17	57	26-159
Benzo(g,h,i)perylene	0	30	29.0	97	24.3	81	17	61	22-193
Phenol	0	50	5.90	12	5.00	10	17	53	DL-101
2 Chlorophenol	0	50	20.6	41	18.6	37	10	49	25-93
2 Methylphenol	0	50	17.0	34	14.3	29	17	108	DL-132
4 Methylphenol	0	50	14.0	28	12.1	24	15	68	DL-129
2,4 Dimethylphenol	0	50	34.0	68	30.0	60	12	138	DL-165
2 Nitrophenol	0	50	32.3	65	30.7	61	5	141	33-102
2,4 Dichlorophenol	0	50	30.1	60	27.5	55	9	46	32-103
4-chloro-3-methylphenol	0	50	28.2	56	25.3	51	11	57	7.4-120
2,4,6 Trichlorophenol	0	50	34.5	69	34.6	69	0	45	37-118
2,4,5 Trichlorophenol	0	50	35.9	72	34.5	69	4	46	38-117
2,4 Dinitrophenol	0	50	12.3	25	29.6	59	83	67	24-112
4 Nitrophenol	0	50	7.76	16	8.46	17	9	55	DL-116
4,6 Dinitro-2-methylphenol	0	50	13.2	26	31.2	62	81	62	34-116
Pentachlorophenol	0	50	26.6	53	30.8	62	15	56	35-130

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.09 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MS DISSOLVED

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	21		032712	0.01	EPA200.7
Antimony as Sb	mg/L	0.18		032712	0.005	EPA200.7
Arsenic as As	mg/L	0.39		032712	0.005	EPA200.7
Barium as Ba	mg/L	0.63		032712	0.005	EPA200.7
Beryllium as Be	mg/L	0.4		032712	0.001	EPA200.7
Cadmium as Cd	mg/L	0.38		032712	0.005	EPA200.7
Calcium as Ca	mg/L	61		032712	0.2	EPA200.7
Chromium as Cr	mg/L	0.38		032712	0.005	EPA200.7
Cobalt as Co	mg/L	0.39		032712	0.005	EPA200.7
Copper as Cu	mg/L	0.4		032712	0.01	EPA200.7
Iron as Fe	mg/L	20		032712	0.01	EPA200.7
Lead as Pb	mg/L	0.37		032712	0.005	EPA200.7
Magnesium as Mg	mg/L	32		032712	0.005	EPA200.7
Manganese as Mn	mg/L	1.4		032712	0.01	EPA200.7
Mercury as Hg	mg/L	0.0041		032012	0.000	EPA245.1
Nickel as Ni	mg/L	0.4		032712	0.01	EPA200.7
Potassium as K	mg/L	12		032712	1	EPA200.7
Selenium as Se	mg/L	0.38		032712	0.01	EPA200.7
Silver as Ag	mg/L	0.087		032712	0.005	EPA200.7
Sodium as Na	mg/L	63		032712	1	EPA200.7
Thallium as Tl	mg/L	0.41	B	032712	0.005	EPA200.7
Vanadium as V	mg/L	0.4		032712	0.005	EPA200.7
Zinc as Zn	mg/L	0.42		032712	0.01	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.
Sample was filtered by EcoTest.
B-Analyte is detected in the associated blank as well as in the sample.

Thomas Powell
DIRECTOR

rn = 4942 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.10 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MSD

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	20		032112	1	EPA8260
Chloromethane	ug/L	20		032112	1	EPA8260
Vinyl Chloride	ug/L	21		032112	1	EPA8260
Bromomethane	ug/L	20		032112	1	EPA8260
Chloroethane	ug/L	21		032112	1	EPA8260
Trichlorofluoromethane	ug/L	21		032112	1	EPA8260
1,1 Dichloroethene	ug/L	21		032112	1	EPA8260
Methylene Chloride	ug/L	20		032112	1	EPA8260
t-1,2-Dichloroethene	ug/L	21		032112	1	EPA8260
1,1 Dichloroethane	ug/L	21		032112	1	EPA8260
2,2-Dichloropropane	ug/L	19		032112	1	EPA8260
c-1,2-Dichloroethene	ug/L	21		032112	1	EPA8260
Bromochloromethane	ug/L	21		032112	1	EPA8260
Chloroform	ug/L	22		032112	1	EPA8260
111 Trichloroethane	ug/L	21		032112	1	EPA8260
Carbon Tetrachloride	ug/L	21		032112	1	EPA8260
1,1-Dichloropropene	ug/L	21		032112	1	EPA8260
Benzene	ug/L	21		032112	1	EPA8260
1,2 Dichloroethane	ug/L	19		032112	1	EPA8260
Trichloroethene	ug/L	20		032112	1	EPA8260
1,2 Dichloropropane	ug/L	21		032112	1	EPA8260
Dibromomethane	ug/L	20		032112	1	EPA8260
Bromodichloromethane	ug/L	21		032112	1	EPA8260
c-1,3Dichloropropene	ug/L	20		032112	1	EPA8260
Toluene	ug/L	21		032112	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.10 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MSD

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	20		032112	1	EPA8260
112 Trichloroethane	ug/L	19		032112	1	EPA8260
Tetrachloroethene	ug/L	22		032112	1	EPA8260
1,3-Dichloropropane	ug/L	20		032112	1	EPA8260
Chlorodibromomethane	ug/L	20		032112	1	EPA8260
1,2 Dibromoethane	ug/L	21		032112	1	EPA8260
Chlorobenzene	ug/L	21		032112	1	EPA8260
Ethyl Benzene	ug/L	22		032112	1	EPA8260
1112Tetrachloroethane	ug/L	21		032112	1	EPA8260
m + p Xylene	ug/L	43		032112	2	EPA8260
o Xylene	ug/L	21		032112	1	EPA8260
Styrene	ug/L	21		032112	1	EPA8260
Bromoform	ug/L	20		032112	1	EPA8260
Isopropylbenzene	ug/L	21		032112	1	EPA8260
Bromobenzene	ug/L	21		032112	1	EPA8260
1122Tetrachloroethane	ug/L	19		032112	1	EPA8260
123-Trichloropropane	ug/L	18		032112	1	EPA8260
n-Propylbenzene	ug/L	21		032112	1	EPA8260
2-Chlorotoluene	ug/L	21		032112	1	EPA8260
135-Trimethylbenzene	ug/L	21		032112	1	EPA8260
4-Chlorotoluene	ug/L	21		032112	1	EPA8260
tert-Butylbenzene	ug/L	21		032112	1	EPA8260
124-Trimethylbenzene	ug/L	21		032112	1	EPA8260
sec-Butylbenzene	ug/L	21		032112	1	EPA8260
p-Isopropyltoluene	ug/L	21		032112	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR

rn = 4944 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.10 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MSD

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	21		032112	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	20		032112	1	EPA8260
n-Butylbenzene	ug/L	21		032112	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	20		032112	1	EPA8260
Dibromochloropropane	ug/L	18		032112	1	EPA8260
124-Trichlorobenzene (v)	ug/L	20		032112	1	EPA8260
Hexachlorobutadiene	ug/L	21		032112	1	EPA8260
Naphthalene(v)	ug/L	19		032112	1	EPA8260
123-Trichlorobenzene	ug/L	19		032112	1	EPA8260
ter.ButylMethylEther	ug/L	20		032112	1	EPA8260
p-Ethyltoluene	ug/L	21		032112	1	EPA8260
Freon 113	ug/L	21		032112	1	EPA8260
1245 Tetramethylbenz	ug/L	21		032112	1	EPA8260
Acetone	ug/L	87		032112	10	EPA8260
Methyl Ethyl Ketone	ug/L	92		032112	10	EPA8260
Methylisobutylketone	ug/L	90		032112	10	EPA8260
Chlorodifluoromethane	ug/L	19		032112	1	EPA8260
p Diethylbenzene	ug/L	21		032112	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.10 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MSD

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	20		031912	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	16		031912	1	EPA8270
1,4 Dichlorobenzene(sv)	ug/L	17		031912	1	EPA8270
Carbazole	ug/L	22		031912	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	18		031912	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	21		031912	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	24		031912	1	EPA8270
Hexachloroethane	ug/L	13		031912	1	EPA8270
Nitrobenzene	ug/L	19		031912	1	EPA8270
Isophorone	ug/L	22		031912	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	21		031912	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	17		031912	1	EPA8270
Naphthalene(sv)	ug/L	19		031912	1	EPA8270
4-Chloroaniline	ug/L	33		031912	1	EPA8270
Hexachlorobutadiene	ug/L	12		031912	1	EPA8270
2-Methylnaphthalene	ug/L	31		031912	1	EPA8270
Hexachlorocyclopentadiene	ug/L	10		031912	10	EPA8270
2-Chloronaphthalene	ug/L	20		031912	1	EPA8270
2-Nitroaniline	ug/L	39		031912	1	EPA8270
Dimethyl Phthalate	ug/L	23		031912	1	EPA8270
Acenaphthylene	ug/L	22		031912	1	EPA8270
2,6-Dinitrotoluene	ug/L	26		031912	1	EPA8270
3-Nitroaniline	ug/L	33		031912	1	EPA8270
Acenaphthene	ug/L	21		031912	1	EPA8270
Dibenzofuran	ug/L	33		031912	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR ____

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.10 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MSD

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	25		031912	1	EPA8270
Diethyl Phthalate	ug/L	24		031912	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	23		031912	1	EPA8270
Fluorene	ug/L	22		031912	1	EPA8270
4-Nitroaniline	ug/L	33		031912	1	EPA8270
N-Nitrosodiphenylamine	ug/L	22		031912	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	22		031912	1	EPA8270
Hexachlorobenzene	ug/L	22		031912	1	EPA8270
Phenanthrene	ug/L	21		031912	1	EPA8270
Anthracene	ug/L	22		031912	1	EPA8270
Di-n-Butyl Phthalate	ug/L	23		031912	1	EPA8270
Fluoranthene	ug/L	21		031912	1	EPA8270
Pyrene	ug/L	23		031912	1	EPA8270
BenzylButylPhthalate	ug/L	25		031912	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	38		031912	10	EPA8270
Benzo(a)anthracene	ug/L	21		031912	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.10 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MSD

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	21		031912	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	25		031912	1	EPA8270
Di-n-octyl Phthalate	ug/L	27		031912	1	EPA8270
Benzo(b)fluoranthene	ug/L	24		031912	1	EPA8270
Benzo(k)fluoranthene	ug/L	21		031912	1	EPA8270
Benzo(a)pyrene	ug/L	24		031912	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	26		031912	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	26		031912	1	EPA8270
Benzo(ghi)perylene	ug/L	24		031912	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.10 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MSD

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	5		031912	1	EPA8270
2-Chlorophenol	ug/L	19		031912	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	14		031912	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	12		031912	1	EPA8270
2-Nitrophenol	ug/L	31		031912	1	EPA8270
2,4-Dimethylphenol	ug/L	30		031912	1	EPA8270
2,4-Dichlorophenol	ug/L	27		031912	1	EPA8270
4-Chloro-3-methylphenol	ug/L	25		031912	1	EPA8270
2,4,6-Trichlorophenol	ug/L	35		031912	1	EPA8270
2,4,5-Trichlorophenol	ug/L	35		031912	1	EPA8270
2,4-Dinitrophenol	ug/L	30		031912	10	EPA8270
4-Nitrophenol	ug/L	8.5		031912	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	31		031912	10	EPA8270
Pentachlorophenol (ms)	ug/L	31		031912	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR Th. Powell

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.10 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MSD

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	21		032712	0.01	EPA200.7
Antimony as Sb	mg/L	0.19		032712	0.005	EPA200.7
Arsenic as As	mg/L	0.39		032712	0.005	EPA200.7
Barium as Ba	mg/L	0.64		032712	0.005	EPA200.7
Beryllium as Be	mg/L	0.4		032712	0.001	EPA200.7
Cadmium as Cd	mg/L	0.39		032712	0.005	EPA200.7
Calcium as Ca	mg/L	63		032712	0.2	EPA200.7
Chromium as Cr	mg/L	0.39		032712	0.005	EPA200.7
Cobalt as Co	mg/L	0.39		032712	0.005	EPA200.7
Copper as Cu	mg/L	0.41		032712	0.01	EPA200.7
Iron as Fe	mg/L	21		032712	0.01	EPA200.7
Lead as Pb	mg/L	0.38		032712	0.005	EPA200.7
Magnesium as Mg	mg/L	33		032712	0.005	EPA200.7
Manganese as Mn	mg/L	1.4		032712	0.01	EPA200.7
Mercury as Hg	mg/L	0.0041		032012	0.000	EPA245.1
Nickel as Ni	mg/L	0.41		032712	0.01	EPA200.7
Potassium as K	mg/L	12		032712	1	EPA200.7
Selenium as Se	mg/L	0.4		032712	0.01	EPA200.7
Silver as Ag	mg/L	0.088		032712	0.005	EPA200.7
Sodium as Na	mg/L	65		032712	1	EPA200.7
Thallium as Tl	mg/L	0.41	B	032712	0.005	EPA200.7
Vanadium as V	mg/L	0.4		032712	0.005	EPA200.7
Zinc as Zn	mg/L	0.42		032712	0.01	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.
B-Analyte detected in associated blank as well as sample.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.10 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MSD

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	0.91		032312	0.05	EPA608
Heptachlor	ug/L	0.91		032312	0.05	EPA608
Aldrin	ug/L	0.86		032312	0.05	EPA608
Heptachlor Epoxide	ug/L	0.97		032312	0.05	EPA608
p,p-DDE	ug/L	0.95		032312	0.05	EPA608
Dieldrin	ug/L	0.97		032312	0.05	EPA608
Endrin	ug/L	1.0		032312	0.05	EPA608
p,p-DDD	ug/L	1.0		032312	0.05	EPA608
p,p-DDT	ug/L	1.0		032312	0.1	EPA608
Chlordane	ug/L	< 0.2		032312	0.2	EPA608
Toxaphene	ug/L	< 1		032312	1	EPA608
Endrin Aldehyde	ug/L	0.94		032312	0.3	EPA608
a BHC	ug/L	0.89		032312	0.05	EPA608
b BHC	ug/L	0.93		032312	0.05	EPA608
d BHC	ug/L	0.94		032312	0.05	EPA608
Endosulfan 1	ug/L	0.97		032312	0.1	EPA608
Endosulfan 2	ug/L	1.1		032312	0.1	EPA608
Endosulfan Sulfate	ug/L	0.94		032312	0.3	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR ________

rn = 4951 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.10 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MSD

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/L	< 1		032312	1	EPA608
Aroclor 1221	ug/L	< 1		032312	1	EPA608
Aroclor 1232	ug/L	< 1		032312	1	EPA608
Aroclor 1242	ug/L	< 1		032312	1	EPA608
Aroclor 1248	ug/L	< 1		032312	1	EPA608
Aroclor 1254	ug/L	< 1		032312	1	EPA608
Aroclor 1260	ug/L	< 1		032312	1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.

Thomas Powell
DIRECTOR T.W. Powell

rn = 4952 NYSDOH ID # 10320

EcoTest Labs

Conformance/Nonconformance Summary

8270

for lab#120963..01, .03, .06, .08(ms), .10(msd), & .12

* Matrix Spike & Matrix Spike Duplicate RPD

Following compound out of qc range:

	ms	msd		ms	msd
bis(2-chloroethyl)ether	23% vs 31%	20% vs 31%	carbazole		22% vs 26%
bis(2-chloroisopropyl)ether		21% vs 24%	di-n-butylphthalate	27% vs 31%	23% vs 31%
n-nitroso-di-n-propylamine	26% vs 33%	26% vs 33%	bis(2-ethylhexyl)phthalate		25% vs 26%
nitrobenzene	21% vs 22%	19% vs 22%	2-chlorophenol	21% vs 25%	19% vs 25%
isophorone	24% vs 31%	22% vs 31%	2 nitrophenol		31% vs 33%
bis(2-chloroethoxy)methane	24% vs 27%	21% vs 27%	2,4 dichlorophenol	30% vs 32%	28% vs 32%
dibenzofuran		33% vs 35%	2,4,6 trichlorophenol	35% vs 37%	35% vs 37%
diethylphthalate		24% vs 26%	2,4,5 trichlorophenol	35% vs 38%	35% vs 38%
4 chlorophenylphenyl ether	26% vs 36%	23% vs 36%	2,4 dinitrophenol	12% vs 24%	
n-nitrosodiphenylamine		22% vs 24%	4,6 dinitro-2-methylphenol	13% vs 34%	31% vs 34%
4 bromophenylphenyl ether	26% vs 27%	23% vs 27%	pentachlorophenol	27% vs 35%	31% vs 35%
hexachlorobenzene		22% vs 23%			

Summary of Matrix Spike Matrix Spike Duplicate Results

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

Client Name:	EEA	Analyst:	M. Henehan
Sample Lab Numbers:	120963.01, .03, .06, .08, .10	Method:	8270
	& 120963.12		
Date Sample(s) Received:	3/16/12	Analyte:	bna
Date(s) of Analysis:	3/19/12	Matrix:	water

Units = ug/L (water)			03191216.d		03191217.d				
SVGCMS1	03191215.d		ecs11-1		ecs11-1				
	smp	Spike	ms	%	msd	%		limits	
COMPOUNDS	120963.06	Conc.	120963.08	Rec	120963.10	Rec	%rpd	rpd	rec
Bis(2-chloroethyl)ether	0	30	22.5	75	19.8	66	13	47	31-125
1,3 Dichlorobenzene	0	30	16.7	56	16.0	53	4	53	11-123
1,4 Dichlorobenzene	0	30	18.0	60	17.4	58	4	46	16-103
1,2 Dichlorobenzene	0	30	18.6	62	17.8	59	4	47	17-123
Bis(2-chloroisopropyl)ether	0	30	24.1	80	21.4	71	12	45	24-138
N-nitroso-di-n-propylamine	0	30	26.0	87	23.8	79	9	44	33-140
Hexachloroethane	0	30	14.0	47	13.4	45	4	51	9.2-121
Nitrobenzene	0	30	21.4	71	19.1	64	11	45	22-120
Isophorone	0	30	24.3	81	21.6	72	12	46	31-138
Bis(2-chloroethoxy)methane	0	30	24.4	81	21.4	71	13	47	27-134
1,2,4 Trichlorobenzene	0	30	18.8	63	16.8	56	11	48	17-126
Naphthalene	0	30	21.4	71	19.0	63	12	55	DL-133
4 Chloroaniline	0	50	36.2	72	33.3	67	8	154	DL-219
Hexachlorobutadiene	0	30	14.7	49	12.2	41	18	49	12-125
2 Methylnaphthalene	0	50	33.3	67	31.2	62	7	56	23-199
2 Nitroaniline	0	50	42.3	85	39.5	79	7	56	23-201
Hexachlorocyclopentadiene	0	30	11.9	40	10.1	34	16	60	6.8-115
2 Chloronaphthalene	0	30	22.7	76	19.6	65	15	44	31-134
Dimethylphthalate	0	30	27.0	90	23.4	78	14	39	22-155
2,6 Dinitrotoluene	0	30	29.1	97	26.2	87	11	39	29-163
Acenaphthylene	0	30	24.8	83	22.4	75	10	52	7.8-158
3 Nitroaniline	0	50	34.9	70	33.1	66	5	50	DL-206
Acenaphthene	0	30	24.1	80	20.9	70	14	52	12-150
Dibenzofuran	0	50	35.9	72	33.1	66	8	55	35-160
2,4 Dinitrotoluene	0	30	27.1	90	24.9	83	9	40	18-154
Diethylphthalate	0	30	27.3	91	24.0	80	13	40	26-158
4 Chlorophenylphenyl ether	0	30	26.3	88	22.5	75	15	41	36-128
Fluorene	0	30	25.8	86	22.0	73	16	50	17-156
4 Nitroaniline	0	50	35.3	71	33.2	66	6	44	DL-239
N-Nitrosodiphenylamine	0	30	25.7	86	21.9	73	16	57	24-156
4 Bromophenylphenyl ether	0	30	26.1	87	21.6	72	19	45	27-151
Hexachlorobenzene	0	30	25.6	85	21.6	72	17	43	23-157
Phenanthrene	0	30	24.8	83	21.1	70	16	52	15-156
Anthracene	0	30	25.9	86	21.6	72	18	51	16-160
Carbazole	0	30	27.0	90	22.4	75	18	42	26-171

Summary of Matrix Spike Matrix Spike Duplicate Results

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

Client Name:	EEA			Analyst:	M. Henehan
Sample Lab Numbers:	120963.01, .03, .06, .08, .10			Method:	8270
	& 120963.12				
Date Sample(s) Received:	3/16/12			Analyte:	bna
Date(s) of Analysis:	3/19/12			Matrix:	water

Units = ug/L(water)			03191216.d		03191217.d				
SVGCMS1	03191215.d		ecs11-1		ecs11-1				
	smp	Spike	ms	%	msd	%		limits	
COMPOUNDS	120963.06	Conc.	120963.08	Rec	120963.10	Rec	%rpd	rpd	rec
Di-n-butylphthalate	0	30	26.7	89	22.9	76	15	39	31-164
Fluoranthene	0	30	25.5	85	21.5	72	17	51	14-164
Pyrene	0	30	26.6	89	23.2	77	14	56	12-166
Butylbenzylphthalate	0	30	29.0	97	25.3	84	13	49	25-170
Bis(2-ethylhexyl)phthalate	0	30	28.5	95	24.6	82	15	38	26-150
Benzo(a)anthracene	0	30	25.2	84	21.1	70	18	56	13-162
Chrysene	0	30	23.9	80	20.7	69	14	54	15-160
3,3' Dichlorobenzidine	0	50	50.3	101	37.6	75	29	157	DL-214
Di-n-octyl phthalate	0	30	31.6	105	27.0	90	16	47	DL-180
Benzo(b)fluoranthene	0	30	28.8	96	24.3	81	17	59	7.2-173
Benzo(k)fluoranthene	0	30	26.3	88	21.3	71	21	60	19-159
Benzo(a)pyrene	0	30	27.9	93	23.9	80	15	58	15-168
Dibenzo(a,h)anthracene	0	30	32.1	107	26.3	88	20	58	24-161
Indeno(1,2,3-cd)pyrene	0	30	30.9	103	26.1	87	17	57	26-159
Benzo(g,h,i)perylene	0	30	29.0	97	24.3	81	17	61	22-193
Phenol	0	50	5.90	12	5.00	10	17	53	DL-101
2 Chlorophenol	0	50	20.6	41	18.6	37	10	49	25-93
2 Methylphenol	0	50	17.0	34	14.3	29	17	108	DL-132
4 Methylphenol	0	50	14.0	28	12.1	24	15	68	DL-129
2,4 Dimethylphenol	0	50	34.0	68	30.0	60	12	138	DL-165
2 Nitrophenol	0	50	32.3	65	30.7	61	5	141	33-102
2,4 Dichlorophenol	0	50	30.1	60	27.5	55	9	46	32-103
4-chloro-3-methylphenol	0	50	28.2	56	25.3	51	11	57	7.4-120
2,4,6 Trichlorophenol	0	50	34.5	69	34.6	69	0	45	37-118
2,4,5 Trichlorophenol	0	50	35.9	72	34.5	69	4	46	38-117
2,4 Dinitrophenol	0	50	12.3	25	29.6	59	83	67	24-112
4 Nitrophenol	0	50	7.76	16	8.46	17	9	55	DL-116
4,6 Dinitro-2-methylphenol	0	50	13.2	26	31.2	62	81	62	34-116
Pentachlorophenol	0	50	26.6	53	30.8	62	15	56	35-130

MS/MSD Recovery Result Summary (VOC EPA 8260) GCMSV4

Instrument ID: GC/MSV4
Date of Analysis: 03/20/12
Sample Spiked: 120963.06 (120963.08, 120963.10).
Associated Samples: 120963.01 --> 120963.12.

Compound	Unspiked Conc. (ug/L)	Spike Added (ug/L)	MS Conc. (ug/L)	MS Recov. (%)	MSD Conc. (ug/L)	MSD Recov. (%)	RPD* (%)	Recovery Limits (%)	RPD* Limits (%)	#
Dichlorodifluoromethane	0	20	18.8	94	19.0	95	1	47 --> 135	23	
Chlorodifluoromethane	0	20	20.9	104	19.9	99	5	63 -->138	26	
Chloromethane	0	20	19.7	98	20.1	101	2	61 -->130	20	
Vinyl chloride	0	20	21.2	106	21.3	106	1	61 -. 138	16	
Bromomethane	0	20	20.6	103	20.2	101	2	47 -->129	27	
Chloroethane	0	20	21.4	107	20.5	103	4	65 -->123	23	
Trichlorofluoromethane	0	20	20.5	102	20.5	103	0	66 -->139	20	
Freon 113	0	20	20.9	104	21.0	105	1	71 -->123	19	
1,1-Dichloroethene	0	20	20.6	103	21.2	106	3	50 -->126	20	
Acetone	0	100	85.2	85	86.7	87	2	44-->146	19	
Methylene chloride	0	20	20.1	101	20.3	101	1	76 -->124	16	
trans-1,2-Dichloroethene	0	20	20.8	104	21.3	106	2	79-->122	16	
tert-butyl methyl Ether	0	20	19.4	97	19.9	100	3	71 -->124	12	
1,1-Dichloroethane	0	20	21.0	105	20.9	105	0	79 -->123	17	
2,2-Dichloropropane	0	20	18.9	94	18.9	95	0	80 -->116	18	
cis-1,2-Dichloroethene	0	20	20.8	104	21.2	106	2	80 -->123	15	
Methyl ethyl ketone	0	100	88.7	89	91.7	92	3	60 -->130	21	
Chloroform	1.2	20	21.5	101	21.6	102	0	80 -->126	15	
Bromochloromethane	0	20	21.3	107	21.1	105	1	82 -->123	16	
1,1,1-Trichloroethane	0	20	21.6	108	20.9	105	3	75 -->128	15	
1,1-Dichloropropene	0	20	20.6	103	21.1	105	2	79 -->125	15	
Carbon tetrachloride	0	20	20.7	104	21.0	105	1	66 -->133	15	
Benzene	0	20	20.9	104	20.5	102	2	82 -->119	11	
1,2-Dichloroethane	0	20	18.1	91	18.5	93	2	74-->123	17	
Trichloroethene	0	20	20.6	103	20.0	100	3	80 -->124	12	
1,2-Dichloropropane	0	20	20.3	101	20.5	103	1	81-->121	14	
Bromodichloromethane	0	20	21.5	108	21.3	106	1	76 -->125	13	
Dibromomethane	0	20	20.5	102	19.8	99	3	74 -->124	15	
cis-1,3-Dichloropropene	0	20	20.2	101	20.0	100	1	78 ->118	12	
Methyl isobutyl ketone	0	100	91.1	91	90.2	90	1	66 -->126	14	
Toluene	0	20	20.9	104	20.9	104	0	71 -->131	13	
trans-1,3-Dichloropropene	0	20	20.0	100	19.7	98	2	67 -->124	14	
1,1,2-Trichloroethane	0	20	20.3	102	19.1	96	6	78-->119	16	
Tetrachloroethene	0	20	21.5	108	22.0	110	2	63 -->131	16	
1,3-Dichloropropane	0	20	20.3	102	19.9	99	2	80 -->116	15	
Dibromochloromethane	0	20	20.0	100	20.4	102	2	75-->118	14	
1,2-Dibromoethane	0	20	19.8	99	20.5	102	3	78 -->113	16	

MS/MSD Recovery Result Summary (VOC EPA 8260) GCMSV4

Instrument ID: GC/MSV4
Date of Analysis: 03/20/12
Sample Spiked: 120963.06 (120963.08, 120963.10).
Associated Samples: 120963.01 --> 120963.12.

Compound	Unspiked Conc. (ug/L)	Spike Added (ug/L)	MS Conc. (ug/L)	MS Recov. (%)	MSD Conc. (ug/L)	MSD Recov. (%)	RPD* (%)	Recovery Limits (%)	RPD* Limits (%)	#
Chlorobenzene	0	20	20.7	103	21.1	105	2	83-->115	14	
1,1,1,2-Tetrachloroethane	0	20	20.1	100	21.4	107	7	76 -->118	14	
Ethyl Benzene	0	20	21.2	106	21.6	108	2	81 -->117	13	
M+P-Xylene	0.5	40	42.1	104	43.1	107	2	73-->122	13	
O-Xylene	0.2	20	21.1	105	21.3	106	1	78 -->119	14	
Styrene	0	20	20.6	103	20.8	104	1	81 -->113	18	
Bromoform	0	20	19.3	97	19.8	99	2	66 -->122	15	
Isopropylbenzene	0	20	21.8	109	21.1	106	3	82 -->121	12	
1,1,2,2-Tetrachloroethane	0	20	18.8	94	18.9	95	1	73 -->118	15	
1,2,3-Trichloropropane	0	20	18.5	92	18.0	90	3	66 -->125	15	
Bromobenzene	0	20	20.7	104	20.7	103	0	82 -->117	13	
n-Propylbenzene	0	20	21.6	108	21.1	105	2	78 -->124	12	
p-Ethyltoluene	0	20	21.2	106	20.8	104	2	78 -->125	11	
2-Chlorotoluene	0	20	21.4	107	20.7	104	3	80 -->117	14	
1,3,5-Trimethylbenzene	0	20	21.3	106	21.1	106	1	79-->122	13	
4-Chlorotoluene	0	20	21.7	108	20.9	104	4	82 -->118	15	
tert-Butylbenzene	0	20	21.2	106	21.4	107	1	79 -->125	17	
1,2,4-Trimethylbenzene	0	20	21.0	105	20.7	103	2	75 -->128	12	
sec-Butylbenzene	0	20	21.2	106	21.0	105	1	73 -->124	14	
p-Isoproyltoluene	0	20	21.3	106	21.0	105	2	75 -->124	12	
1,3-Dichlorobenzene	0	20	20.6	103	21.0	105	2	77 -->121	12	
1,4-Dichlorobenzene	0	20	20.4	102	20.4	102	0	75 -->121	14	
p-Diethylbenzene	0	20	21.2	106	21.0	105	1	65 -->133	15	
n-Butylbenzene	0	20	21.3	107	20.9	105	2	65 -->132	17	
1,2-Dichlorobenzene	0	20	20.6	103	20.3	101	2	81 -->116	11	
1,2,4,5-Tetramethylbenzene	0	20	20.9	105	20.9	104	0	67-->132	15	
1,2-Dibromo-3-chloropropane	0	20	17.7	88	18.0	90	2	62-->120	18	
1,2,4-Tirchlorobenzene	0	20	19.8	99	19.8	99	0	64 -->127	16	
Hexachlorobutadiene	0	20	20.1	101	20.5	102	2	58-->135	21	
Naphthalene	0	20	18.3	92	18.6	93	2	61 -->126	17	
1,2,3-Trichlorobenzene	0	20	18.9	94	18.9	94	0	61 -->124	16	

*RPD= Relative Percent Difference.

#-Column used to flag out of control results.

M- Duplicate Precision not met (RPD exceeds limit).

N- Spike Sample Recovery not within control limits..

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.11 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1050
MATRIX:Water SAMPLE: GW-4 MSD DISSOLVED

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	21		032712	0.01	EPA200.7
Antimony as Sb	mg/L	0.2		032712	0.005	EPA200.7
Arsenic as As	mg/L	0.37		032712	0.005	EPA200.7
Barium as Ba	mg/L	0.63		032712	0.005	EPA200.7
Beryllium as Be	mg/L	0.4		032712	0.001	EPA200.7
Cadmium as Cd	mg/L	0.38		032712	0.005	EPA200.7
Calcium as Ca	mg/L	61		032712	0.2	EPA200.7
Chromium as Cr	mg/L	0.38		032712	0.005	EPA200.7
Cobalt as Co	mg/L	0.39		032712	0.005	EPA200.7
Copper as Cu	mg/L	0.4		032712	0.01	EPA200.7
Iron as Fe	mg/L	20		032712	0.01	EPA200.7
Lead as Pb	mg/L	0.37		032712	0.005	EPA200.7
Magnesium as Mg	mg/L	32		032712	0.005	EPA200.7
Manganese as Mn	mg/L	1.4		032712	0.01	EPA200.7
Mercury as Hg	mg/L	0.0041		032012	0.000	EPA245.1
Nickel as Ni	mg/L	0.4		032712	0.01	EPA200.7
Potassium as K	mg/L	12		032712	1	EPA200.7
Selenium as Se	mg/L	0.4		032712	0.01	EPA200.7
Silver as Ag	mg/L	0.086		032712	0.005	EPA200.7
Sodium as Na	mg/L	63		032712	1	EPA200.7
Thallium as Tl	mg/L	0.4	B	032712	0.005	EPA200.7
Vanadium as V	mg/L	0.39		032712	0.005	EPA200.7
Zinc as Zn	mg/L	0.41		032712	0.01	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS: RESULTS REPORTED ON THIS PAGE REPRESENT SAMPLE AFTER SPIKING (FOR MATRIX SPIKE OR MATRIX SPIKE DUPLICATE) AND DO NOT REPRESENT ACTUAL CONCENTRATIONS DETECTED IN SAMPLE.
Sample was filtered by EcoTest.
B-Analyte is detected in the associated blank as well as in the sample.

Thomas Powell
DIRECTOR Th. Powell

rn = 4953 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.12 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1110
MATRIX:Water SAMPLE: GW-4 Field Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Dichlorodifluoromethane	ug/L	< 1		032112	1	EPA8260
Chloromethane	ug/L	< 1		032112	1	EPA8260
Vinyl Chloride	ug/L	< 1		032112	1	EPA8260
Bromomethane	ug/L	< 1		032112	1	EPA8260
Chloroethane	ug/L	< 1		032112	1	EPA8260
Trichlorofluoromethane	ug/L	< 1		032112	1	EPA8260
1,1 Dichloroethene	ug/L	< 1		032112	1	EPA8260
Methylene Chloride	ug/L	< 1		032112	1	EPA8260
t-1,2-Dichloroethene	ug/L	< 1		032112	1	EPA8260
1,1 Dichloroethane	ug/L	< 1		032112	1	EPA8260
2,2-Dichloropropane	ug/L	< 1		032112	1	EPA8260
c-1,2-Dichloroethene	ug/L	< 1		032112	1	EPA8260
Bromochloromethane	ug/L	< 1		032112	1	EPA8260
Chloroform	ug/L	1		032112	1	EPA8260
111 Trichloroethane	ug/L	< 1		032112	1	EPA8260
Carbon Tetrachloride	ug/L	< 1		032112	1	EPA8260
1,1-Dichloropropene	ug/L	< 1		032112	1	EPA8260
Benzene	ug/L	< 1		032112	1	EPA8260
1,2 Dichloroethane	ug/L	< 1		032112	1	EPA8260
Trichloroethene	ug/L	< 1		032112	1	EPA8260
1,2 Dichloropropane	ug/L	< 1		032112	1	EPA8260
Dibromomethane	ug/L	< 1		032112	1	EPA8260
Bromodichloromethane	ug/L	< 1		032112	1	EPA8260
c-1,3Dichloropropene	ug/L	< 1		032112	1	EPA8260
Toluene	ug/L	< 1		032112	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.12 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1110
MATRIX:Water SAMPLE: GW-4 Field Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
t-1,3Dichloropropene	ug/L	< 1		032112	1	EPA8260
112 Trichloroethane	ug/L	< 1		032112	1	EPA8260
Tetrachloroethene	ug/L	< 1		032112	1	EPA8260
1,3-Dichloropropane	ug/L	< 1		032112	1	EPA8260
Chlorodibromomethane	ug/L	< 1		032112	1	EPA8260
1,2 Dibromoethane	ug/L	< 1		032112	1	EPA8260
Chlorobenzene	ug/L	< 1		032112	1	EPA8260
Ethyl Benzene	ug/L	< 1		032112	1	EPA8260
1112Tetrachloroethane	ug/L	< 1		032112	1	EPA8260
m + p Xylene	ug/L	< 2		032112	2	EPA8260
o Xylene	ug/L	< 1		032112	1	EPA8260
Styrene	ug/L	< 1		032112	1	EPA8260
Bromoform	ug/L	< 1		032112	1	EPA8260
Isopropylbenzene	ug/L	< 1		032112	1	EPA8260
Bromobenzene	ug/L	< 1		032112	1	EPA8260
1122Tetrachloroethane	ug/L	< 1		032112	1	EPA8260
123-Trichloropropane	ug/L	< 1		032112	1	EPA8260
n-Propylbenzene	ug/L	< 1		032112	1	EPA8260
2-Chlorotoluene	ug/L	< 1		032112	1	EPA8260
135-Trimethylbenzene	ug/L	< 1		032112	1	EPA8260
4-Chlorotoluene	ug/L	< 1		032112	1	EPA8260
tert-Butylbenzene	ug/L	< 1		032112	1	EPA8260
124-Trimethylbenzene	ug/L	< 1		032112	1	EPA8260
sec-Butylbenzene	ug/L	< 1		032112	1	EPA8260
p-Isopropyltoluene	ug/L	< 1		032112	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.12 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1110
MATRIX:Water SAMPLE: GW-4 Field Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
1,3 Dichlorobenzene (v)	ug/L	< 1		032112	1	EPA8260
1,4 Dichlorobenzene (v)	ug/L	< 1		032112	1	EPA8260
n-Butylbenzene	ug/L	< 1		032112	1	EPA8260
1,2 Dichlorobenzene (v)	ug/L	< 1		032112	1	EPA8260
Dibromochloropropane	ug/L	< 1		032112	1	EPA8260
124-Trichlorobenzene (v)	ug/L	< 1		032112	1	EPA8260
Hexachlorobutadiene	ug/L	< 1		032112	1	EPA8260
Naphthalene(v)	ug/L	< 1		032112	1	EPA8260
123-Trichlorobenzene	ug/L	< 1		032112	1	EPA8260
ter.ButylMethylEther	ug/L	< 1		032112	1	EPA8260
p-Ethyltoluene	ug/L	< 1		032112	1	EPA8260
Freon 113	ug/L	< 1		032112	1	EPA8260
1245 Tetramethylbenz	ug/L	< 1		032112	1	EPA8260
Acetone	ug/L	< 10		032112	10	EPA8260
Methyl Ethyl Ketone	ug/L	< 10		032112	10	EPA8260
Methylisobutylketone	ug/L	< 10		032112	10	EPA8260
Chlorodifluoromethane	ug/L	< 1		032112	1	EPA8260
p Diethylbenzene	ug/L	< 1		032112	1	EPA8260

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.12 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1110
MATRIX:Water SAMPLE: GW-4 Field Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Bis(2-chloroethyl)ether	ug/L	< 1		031912	1	EPA8270
1,3 Dichlorobenzene(sv)	ug/L	< 1		031912	1	EPA8270
1,4 Dichlorobenzene(sv)	3g/L	< 1		031912	1	EPA8270
Carbazole	ug/L	< 1		031912	1	EPA8270
1,2 Dichlorobenzene(sv)	ug/L	< 1		031912	1	EPA8270
Bis(2-chloroisopropyl)ether	ug/L	< 1		031912	1	EPA8270
N-Nitrosodi-n-propylamine	ug/L	< 1		031912	1	EPA8270
Hexachloroethane	3g/L	< 1		031912	1	EPA8270
Nitrobenzene	ug/L	< 1		031912	1	EPA8270
Isophorone	ug/L	< 1		031912	1	EPA8270
Bis(2-chloroethoxy)methane	ug/L	< 1		031912	1	EPA8270
124-Trichlorobenzene (sv)	ug/L	< 1		031912	1	EPA8270
Naphthalene(sv)	ug/L	< 1		031912	1	EPA8270
4-Chloroaniline	ug/L	< 1		031912	1	EPA8270
Hexachlorobutadiene	ug/L	< 1		031912	1	EPA8270
2-Methylnaphthalene	ug/L	< 1		031912	1	EPA8270
Hexachlorocyclopentadiene	ug/L	< 10		031912	10	EPA8270
2-Chloronaphthalene	ug/L	< 1		031912	1	EPA8270
2-Nitroaniline	ug/L	< 1		031912	1	EPA8270
Dimethyl Phthalate	ug/L	< 1		031912	1	EPA8270
Acenaphthylene	ug/L	< 1		031912	1	EPA8270
2,6-Dinitrotoluene	ug/L	< 1		031912	1	EPA8270
3-Nitroaniline	ug/L	< 1		031912	1	EPA8270
Acenaphthene	ug/L	< 1		031912	1	EPA8270
Dibenzofuran	ug/L	< 1		031912	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.12 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1110
MATRIX:Water SAMPLE: GW-4 Field Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
2,4-Dinitrotoluene	ug/L	< 1		031912	1	EPA8270
Diethyl Phthalate	ug/L	< 1		031912	1	EPA8270
4-Chlorophenyl phenyl ether	ug/L	< 1		031912	1	EPA8270
Fluorene	ug/L	< 1		031912	1	EPA8270
4-Nitroaniline	ug/L	< 1		031912	1	EPA8270
N-Nitrosodiphenylamine	ug/L	< 1		031912	1	EPA8270
4-Bromophenyl phenyl ether	ug/L	< 1		031912	1	EPA8270
Hexachlorobenzene	ug/L	< 1		031912	1	EPA8270
Phenanthrene	ug/L	< 1		031912	1	EPA8270
Anthracene	ug/L	< 1		031912	1	EPA8270
Di-n-Butyl Phthalate	ug/L	< 1		031912	1	EPA8270
Fluoranthene	ug/L	< 1		031912	1	EPA8270
Pyrene	ug/L	< 1		031912	1	EPA8270
BenzylButylPhthalate	ug/L	< 1		031912	1	EPA8270
3,3'-Dichlorobenzidine	ug/L	< 10		031912	10	EPA8270
Benzo(a)anthracene	ug/L	< 1		031912	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.12 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1110
MATRIX:Water SAMPLE: GW-4 Field Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chrysene	ug/L	< 1		031912	1	EPA8270
Bis(2-ethylhexyl)phthalate	ug/L	< 1	*	031912	1	EPA8270
Di-n-octyl Phthalate	ug/L	< 1		031912	1	EPA8270
Benzo(b)fluoranthene	ug/L	< 1		031912	1	EPA8270
Benzo(k)fluoranthene	ug/L	< 1		031912	1	EPA8270
Benzo(a)pyrene	ug/L	< 1		031912	1	EPA8270
Indeno(1,2,3-cd)pyrene	ug/L	< 1		031912	1	EPA8270
Dibenzo(a,h)anthracene	ug/L	< 1		031912	1	EPA8270
Benzo(ghi)perylene	ug/L	< 1		031912	1	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS: *Continuing calibration above qc limit, 27% vs 20%.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.12 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1110
MATRIX:Water SAMPLE: GW-4 Field Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Phenol	ug/L	< 1		031912	1	EPA8270
2-Chlorophenol	ug/L	< 1		031912	1	EPA8270
2-Methylphenol (o-cresol)	ug/L	< 1		031912	1	EPA8270
4-Methylphenol (p-cresol)	ug/L	< 1		031912	1	EPA8270
2-Nitrophenol	ug/L	< 1		031912	1	EPA8270
2,4-Dimethylphenol	ug/L	< 1		031912	1	EPA8270
2,4-Dichlorophenol	ug/L	< 1		031912	1	EPA8270
4-Chloro-3-methylphenol	ug/L	< 1		031912	1	EPA8270
2,4,6-Trichlorophenol	ug/L	< 1		031912	1	EPA8270
2,4,5-Trichlorophenol	ug/L	< 1		031912	1	EPA8270
2,4-Dinitrophenol	ug/L	< 10		031912	10	EPA8270
4-Nitrophenol	ug/L	< 10		031912	10	EPA8270
2-Methyl-4,6-dinitrophenol	ug/L	< 10		031912	10	EPA8270
Pentachlorophenol (ms)	ug/L	< 10		031912	10	EPA8270

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO. 120963.12 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1110
MATRIX:Water SAMPLE: GW-4 Field Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	0.03		032712	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.005		032712	0.005	EPA200.7
Arsenic as As	mg/L	< 0.005		032712	0.005	EPA200.7
Barium as Ba	mg/L	0.27		032712	0.005	EPA200.7
Beryllium as Be	mg/L	< 0.001		032712	0.001	EPA200.7
Cadmium as Cd	mg/L	< 0.001		032712	0.005	EPA200.7
Calcium as Ca	mg/L	42		032712	0.2	EPA200.7
Chromium as Cr	mg/L	< 0.005		032712	0.005	EPA200.7
Cobalt as Co	mg/L	0.008		032712	0.005	EPA200.7
Copper as Cu	mg/L	< 0.01		032712	0.01	EPA200.7
Iron as Fe	mg/L	0.14		032712	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		032712	0.005	EPA200.7
Magnesium as Mg	mg/L	12		032712	0.005	EPA200.7
Manganese as Mn	mg/L	1.0		032712	0.01	EPA200.7
Mercury as Hg	mg/L	< 0.0002		032012	0.000	EPA245.1
Nickel as Ni	mg/L	0.02		032712	0.01	EPA200.7
Potassium as K	mg/L	6		032712	1	EPA200.7
Selenium as Se	mg/L	< 0.01		032712	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		032712	0.005	EPA200.7
Sodium as Na	mg/L	60		032712	1	EPA200.7
Thallium as Tl	mg/L	0.02	B	032712	0.005	EPA200.7
Vanadium as V	mg/L	< 0.005		032712	0.005	EPA200.7
Zinc as Zn	mg/L	0.02		032712	0.01	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS: B-Analyte is detected in the associated blank as well as in the sample.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.12 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1110
MATRIX:Water SAMPLE: GW-4 Field Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Lindane	ug/L	< 0.05		032312	0.05	EPA608
Heptachlor	ug/L	< 0.05		032312	0.05	EPA608
Aldrin	ug/L	< 0.05		032312	0.05	EPA608
Heptachlor Epoxide	ug/L	< 0.05		032312	0.05	EPA608
p,p-DDE	ug/L	< 0.05		032312	0.05	EPA608
Dieldrin	ug/L	< 0.05		032312	0.05	EPA608
Endrin	ug/L	< 0.05		032312	0.05	EPA608
p,p-DDD	ug/L	< 0.05		032312	0.05	EPA608
p,p-DDT	ug/L	< 0.1		032312	0.1	EPA608
Chlordane	ug/L	< 0.2		032312	0.2	EPA608
Toxaphene	ug/L	< 1		032312	1	EPA608
Endrin Aldehyde	ug/L	< 0.3		032312	0.3	EPA608
a BHC	ug/L	< 0.05		032312	0.05	EPA608
b BHC	ug/L	< 0.05		032312	0.05	EPA608
d BHC	ug/L	< 0.05		032312	0.05	EPA608
Endosulfan 1	ug/L	< 0.1		032312	0.1	EPA608
Endosulfan 2	ug/L	< 0.1		032312	0.1	EPA608
Endosulfan Sulfate	ug/L	< 0.3		032312	0.3	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR T.W. Powell

rn = 4962 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.12 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1110
MATRIX:Water SAMPLE: GW-4 Field Duplicate

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aroclor 1016	ug/L	< 1		032312	1	EPA608
Aroclor 1221	ug/L	< 1		032312	1	EPA608
Aroclor 1232	ug/L	< 1		032312	1	EPA608
Aroclor 1242	ug/L	< 1		032312	1	EPA608
Aroclor 1248	ug/L	< 1		032312	1	EPA608
Aroclor 1254	ug/L	< 1		032312	1	EPA608
Aroclor 1260	ug/L	< 1		032312	1	EPA608

cc:

LRL=Laboratory Reporting Limit

REMARKS:

Thomas Powell
DIRECTOR

MS/MSD Recovery Result Summary (VOC EPA 8260) GCMSV4

Instrument ID: GC/MSV4
Date of Analysis: 03/20/12
Sample Spiked: 120963.06 (120963.08, 120963.10).
Associated Samples: 120963.01 --> 120963.12.

Compound	Unspiked Conc. (ug/L)	Spike Added (ug/L)	MS Conc. (ug/L)	MS Recov. (%)	MSD Conc. (ug/L)	MSD Recov. (%)	RPD* (%)	Recovery Limits (%)	RPD* Limits (%)	#
Dichlorodifluoromethane	0	20	18.8	94	19.0	95	1	47 --> 135	23	
Chlorodifluoromethane	0	20	20.9	104	19.9	99	5	63 -->138	26	
Chloromethane	0	20	19.7	98	20.1	101	2	61 -->130	20	
Vinyl chloride	0	20	21.2	106	21.3	106	1	61 --. 136	16	
Bromomethane	0	20	20.6	103	20.2	101	2	47 -->129	27	
Chloroethane	0	20	21.4	107	20.5	103	4	65 -->123	23	
Trichlorofluoromethane	0	20	20.5	102	20.5	103	0	66 -->139	20	
Freon 113	0	20	20.9	104	21.0	105	1	71 -->123	19	
1,1-Dichloroethene	0	20	20.6	103	21.2	106	3	50 -->126	20	
Acetone	0	100	85.2	85	86.7	87	2	44-->146	19	
Methylene chloride	0	20	20.1	101	20.3	101	1	76 -->124	16	
trans-1,2-Dichloroethene	0	20	20.8	104	21.3	106	2	79-->122	16	
tert-butyl methyl Ether	0	20	19.4	97	19.9	100	3	71 -->124	12	
1,1-Dichloroethane	0	20	21.0	105	20.9	105	0	79 -->123	17	
2,2-Dichloropropane	0	20	18.9	94	18.9	95	0	80 -->116	18	
cis-1,2-Dichloroethene	0	20	20.8	104	21.2	106	2	80 -->123	15	
Methyl ethyl ketone	0	100	88.7	89	91.7	92	3	60 -->130	21	
Chloroform	1.2	20	21.5	101	21.6	102	0	80 -->126	15	
Bromochloromethane	0	20	21.3	107	21.1	105	1	82 -->123	16	
1,1,1-Trichloroethane	0	20	21.6	108	20.9	105	3	75 -->126	15	
1,1-Dichloropropene	0	20	20.6	103	21.1	105	2	79 -->125	15	
Carbon tetrachloride	0	20	20.7	104	21.0	105	1	66 -->133	15	
Benzene	0	20	20.9	104	20.5	102	2	82 -->119	11	
1,2-Dichloroethane	0	20	18.1	91	18.5	93	2	74-->123	17	
Trichloroethene	0	20	20.6	103	20.0	100	3	80 -->124	12	
1,2-Dichloropropane	0	20	20.3	101	20.5	103	1	81-->121	14	
Bromodichloromethane	0	20	21.5	108	21.3	106	1	76 -->125	13	
Dibromomethane	0	20	20.5	102	19.8	99	3	74 -->124	15	
cis-1,3-Dichloropropene	0	20	20.2	101	20.0	100	1	78 ->118	12	
Methyl isobutyl ketone	0	100	91.1	91	90.2	90	1	66 -->126	14	
Toluene	0	20	20.9	104	20.9	104	0	71 -->131	13	
trans-1,3-Dichloropropene	0	20	20.0	100	19.7	98	2	67 -->124	14	
1,1,2-Trichloroethane	0	20	20.3	102	19.1	96	6	78-->119	16	
Tetrachloroethene	0	20	21.5	108	22.0	110	2	63 -->131	16	
1,3-Dichloropropane	0	20	20.3	102	19.9	99	2	80 -->118	15	
Dibromochloromethane	0	20	20.0	100	20.4	102	2	75-->118	14	
1,2-Dibromoethane	0	20	19.8	99	20.5	102	3	78 -->113	16	

MS/MSD Recovery Result Summary (VOC EPA 8260) GCMSV4

Instrument ID: GC/MSV4
Date of Analysis: 03/20/12
Sample Spiked: 120963.06 (120963.08, 120963.10).
Associated Samples: 120963.01 --> 120963.12.

Compound	Unspiked Conc. (ug/L)	Spike Added (ug/L)	MS Conc. (ug/L)	MS Recov. (%)	MSD Conc. (ug/L)	MSD Recov. (%)	RPD* (%)	Recovery Limits (%)	RPD* Limits (%)	#
Chlorobenzene	0	20	20.7	103	21.1	105	2	83-->115	14	
1,1,1,2-Tetrachloroethane	0	20	20.1	100	21.4	107	7	76 -->118	14	
Ethyl Benzene	0	20	21.2	106	21.6	108	2	81 -->117	13	
M+P-Xylene	0.5	40	42.1	104	43.1	107	2	73-->122	13	
O-Xylene	0.2	20	21.1	105	21.3	106	1	78 -->119	14	
Styrene	0	20	20.6	103	20.8	104	1	81 -->113	18	
Bromoform	0	20	19.3	97	19.8	99	2	66 -->122	15	
Isopropylbenzene	0	20	21.8	109	21.1	106	3	82 -->121	12	
1,1,2,2-Tetrachloroethane	0	20	18.8	94	18.9	95	1	73 -->118	15	
1,2,3-Trichloropropane	0	20	18.5	92	18.0	90	3	66 -->125	15	
Bromobenzene	0	20	20.7	104	20.7	103	0	82 -->117	13	
n-Propylbenzene	0	20	21.6	108	21.1	105	2	78 -->124	12	
p-Ethyltoluene	0	20	21.2	106	20.8	104	2	78 -->125	11	
2-Chlorotoluene	0	20	21.4	107	20.7	104	3	80 -->117	14	
1,3,5-Trimethylbenzene	0	20	21.3	106	21.1	106	1	79-->122	13	
4-Chlorotoluene	0	20	21.7	108	20.9	104	4	82 -->118	15	
tert-Butylbenzene	0	20	21.2	106	21.4	107	1	79 -->125	17	
1,2,4-Trimethylbenzene	0	20	21.0	105	20.7	103	2	75 -->128	12	
sec-Butylbenzene	0	20	21.2	106	21.0	105	1	73 -->124	14	
p-Isoproyltoluene	0	20	21.3	106	21.0	105	2	75 -->124	12	
1,3-Dichlorobenzene	0	20	20.6	103	21.0	105	2	77 -->121	12	
1,4-Dichlorobenzene	0	20	20.4	102	20.4	102	0	75 -->121	14	
p-Diethylbenzene	0	20	21.2	106	21.0	105	1	65 -->133	15	
n-Butylbenzene	0	20	21.3	107	20.9	105	2	65 -->132	17	
1,2-Dichlorobenzene	0	20	20.6	103	20.3	101	2	81 -->116	11	
1,2,4,5-Tetramethylbenzene	0	20	20.9	105	20.9	104	0	67-->132	15	
1,2-Dibromo-3-chloropropane	0	20	17.7	88	18.0	90	2	62-->120	18	
1,2,4-Tirchlorobenzene	0	20	19.8	99	19.8	99	0	64 -->127	16	
Hexachlorobutadiene	0	20	20.1	101	20.5	102	2	58-->135	21	
Naphthalene	0	20	18.3	92	18.6	93	2	61 -->126	17	
1,2,3-Trichlorobenzene	0	20	18.9	94	18.9	94	0	61 -->124	16	

*RPD= Relative Percent Difference.

#-Column used to flag out of control results.

M- Duplicate Precision not met (RPD exceeds limit).

N- Spike Sample Recovery not within control limits..

EcoTest Labs

Conformance/Nonconformance Summary

8270

for lab#120963..01, .03, .06, .08(ms), .10(msd), & .12

* Matrix Spike & Matrix Spike Duplicate RPD

Following compound out of qc range:

	ms	msd		ms	msd
bis(2-chloroethyl)ether	23% vs 31%	20% vs 31%	carbazole		22% vs 26%
bis(2-chloroisopropyl)ether		21% vs 24%	di-n-butylphthalate	27% vs 31%	23% vs 31%
n-nitroso-di-n-propylamine	26% vs 33%	26% vs 33%	bis(2-ethylhexyl)phthalate		25% vs 26%
nitrobenzene	21% vs 22%	19% vs 22%	2-chlorophenol	21% vs 25%	19% vs 25%
isophorone	24% vs 31%	22% vs 31%	2 nitrophenol		31% vs 33%
bis(2-chloroethoxy)methane	24% vs 27%	21% vs 27%	2,4 dichlorophenol	30% vs 32%	28% vs 32%
dibenzofuran		33% vs 35%	2,4,6 trichlorophenol	35% vs 37%	35% vs 37%
diethylphthalate		24% vs 26%	2,4,5 trichlorophenol	35% vs 38%	35% vs 38%
4 chlorophenylphenyl ether	26% vs 36%	23% vs 36%	2,4 dinitrophenol	12% vs 24%	
n-nitrosodiphenylamine		22% vs 24%	4,6 dinitro-2-methylphenol	13% vs 34%	31% vs 34%
4 bromophenylphenyl ether	26% vs 27%	23% vs 27%	pentachlorophenol	27% vs 35%	31% vs 35%
hexachlorobenzene		22% vs 23%			

Summary of Matrix Spike Matrix Spike Duplicate Results

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

Client Name:	EEA	Analyst:	M. Henehan
Sample Lab Numbers:	120963.01, .03, .06, .08, .10	Method:	8270
	& 120963.12		
Date Sample(s) Received:	3/16/12	Analyte:	bna
Date(s) of Analysis:	3/19/12	Matrix:	water

Units = ug/L(water)			03191216.d		03191217.d				
SVGCMS1	03191215.d		ecs11-1		ecs11-1				
	smp	Spike	ms	%	msd	%		limits	
COMPOUNDS	120963.06	Conc.	120963.08	Rec	120963.10	Rec	%rpd	rpd	rec
Bis(2-chloroethyl)ether	0	30	22.5	75	19.8	66	13	47	31-125
1,3 Dichlorobenzene	0	30	16.7	56	16.0	53	4	53	11-123
1,4 Dichlorobenzene	0	30	18.0	60	17.4	58	4	46	16-103
1,2 Dichlorobenzene	0	30	18.6	62	17.8	59	4	47	17-123
Bis(2-chloroisopropyl)ether	0	30	24.1	80	21.4	71	12	45	24-138
N-nitroso-di-n-propylamine	0	30	26.0	87	23.8	79	9	44	33-140
Hexachloroethane	0	30	14.0	47	13.4	45	4	51	9.2-121
Nitrobenzene	0	30	21.4	71	19.1	64	11	45	22-120
Isophorone	0	30	24.3	81	21.6	72	12	46	31-138
Bis(2-chloroethoxy)methane	0	30	24.4	81	21.4	71	13	47	27-134
1,2,4 Trichlorobenzene	0	30	18.8	63	16.8	56	11	48	17-126
Naphthalene	0	30	21.4	71	19.0	63	12	55	DL-133
4 Chloroaniline	0	50	36.2	72	33.3	67	8	154	DL-219
Hexachlorobutadiene	0	30	14.7	49	12.2	41	18	49	12-125
2 Methylnaphthalene	0	50	33.3	67	31.2	62	7	56	23-199
2 Nitroaniline	0	50	42.3	85	39.5	79	7	56	23-201
Hexachlorocyclopentadiene	0	30	11.9	40	10.1	34	16	60	6.8-115
2 Chloronaphthalene	0	30	22.7	76	19.6	65	15	44	31-134
Dimethylphthalate	0	30	27.0	90	23.4	78	14	39	22-155
2,6 Dinitrotoluene	0	30	29.1	97	26.2	87	11	39	29-163
Acenaphthylene	0	30	24.8	83	22.4	75	10	52	7.8-158
3 Nitroaniline	0	50	34.9	70	33.1	66	5	50	DL-206
Acenaphthene	0	30	24.1	80	20.9	70	14	52	12-150
Dibenzofuran	0	50	35.9	72	33.1	66	8	55	35-160
2,4 Dinitrotoluene	0	30	27.1	90	24.9	83	9	40	18-154
Diethylphthalate	0	30	27.3	91	24.0	80	13	40	26-158
4 Chlorophenylphenyl ether	0	30	26.3	88	22.5	75	15	41	36-128
Fluorene	0	30	25.8	86	22.0	73	16	50	17-156
4 Nitroaniline	0	50	35.3	71	33.2	66	6	44	DL-239
N-Nitrosodiphenylamine	0	30	25.7	86	21.9	73	16	57	24-156
4 Bromophenylphenyl ether	0	30	26.1	87	21.6	72	19	45	27-151
Hexachlorobenzene	0	30	25.6	85	21.6	72	17	43	23-157
Phenanthrene	0	30	24.8	83	21.1	70	16	52	15-156
Anthracene	0	30	25.9	86	21.6	72	18	51	16-160
Carbazole	0	30	27.0	90	22.4	75	18	42	26-171

Summary of Matrix Spike Matrix Spike Duplicate Results

ECOTEST LABORATORIES, INC.
377 SHEFFIELD AVENUE
NORTH BABYLON, NY 11703

Client Name:	EEA	Analyst:	M. Henehan
Sample Lab Numbers:	120963.01, .03, .06, .08, .10	Method:	8270
	& 120963.12		
Date Sample(s) Received:	3/16/12	Analyte:	bna
Date(s) of Analysis:	3/19/12	Matrix:	water

Units = ug/L (water)			03191216.d		03191217.d				
SVGCMS1	03191215.d		ecs11-1		ecs11-1				
	smp	Spike	ms	%	msd	%		limits	
COMPOUNDS	120963.06	Conc.	120963.08	Rec	120963.10	Rec	%rpd	rpd	rec
Di-n-butylphthalate	0	30	26.7	89	22.9	76	15	39	31-164
Fluoranthene	0	30	25.5	85	21.5	72	17	51	14-164
Pyrene	0	30	26.6	89	23.2	77	14	56	12-166
Butylbenzylphthalate	0	30	29.0	97	25.3	84	13	49	25-170
Bis(2-ethylhexyl)phthalate	0	30	28.5	95	24.6	82	15	38	26-150
Benzo(a)anthracene	0	30	25.2	84	21.1	70	18	56	13-162
Chrysene	0	30	23.9	80	20.7	69	14	54	15-160
3,3' Dichlorobenzidine	0	50	50.3	101	37.6	75	29	157	DL-214
Di-n-octyl phthalate	0	30	31.6	105	27.0	90	16	47	DL-180
Benzo(b)fluoranthene	0	30	28.8	96	24.3	81	17	59	7.2-173
Benzo(k)fluoranthene	0	30	26.3	88	21.3	71	21	60	19-159
Benzo(a)pyrene	0	30	27.9	93	23.9	80	15	58	15-168
Dibenzo(a,h)anthracene	0	30	32.1	107	26.3	88	20	58	24-161
Indeno(1,2,3-cd)pyrene	0	30	30.9	103	26.1	87	17	57	26-159
Benzo(g,h,i)perylene	0	30	29.0	97	24.3	81	17	61	22-193
Phenol	0	50	5.90	12	5.00	10	17	53	DL-101
2 Chlorophenol	0	50	20.6	41	18.6	37	10	49	25-93
2 Methylphenol	0	50	17.0	34	14.3	29	17	108	DL-132
4 Methylphenol	0	50	14.0	28	12.1	24	15	68	DL-129
2,4 Dimethylphenol	0	50	34.0	68	30.0	60	12	138	DL-165
2 Nitrophenol	0	50	32.3	65	30.7	61	5	141	33-102
2,4 Dichlorophenol	0	50	30.1	60	27.5	55	9	46	32-103
4-chloro-3-methylphenol	0	50	28.2	56	25.3	51	11	57	7.4-120
2,4,6 Trichlorophenol	0	50	34.5	69	34.6	69	0	45	37-118
2,4,5 Trichlorophenol	0	50	35.9	72	34.5	69	4	46	38-117
2,4 Dinitrophenol	0	50	12.3	25	29.6	59	83	67	24-112
4 Nitrophenol	0	50	7.76	16	8.46	17	9	55	DL-116
4,6 Dinitro-2-methylphenol	0	50	13.2	26	31.2	62	81	62	34-116
Pentachlorophenol	0	50	26.6	53	30.8	62	15	56	35-130

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120963.13 03/30/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: 1243-1275 Woodrow Road, Staten Island, #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:03/12/12 RECEIVED:03/16/12
TIME COL'D:1110
MATRIX:Water SAMPLE: GW-4 Field Duplicate DISSOLVED

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Aluminum as Al	mg/L	< 0.01		032712	0.01	EPA200.7
Antimony as Sb	mg/L	< 0.005		032712	0.005	EPA200.7
Arsenic as As	mg/L	< 0.005		032712	0.005	EPA200.7
Barium as Ba	mg/L	0.25		032712	0.005	EPA200.7
Beryllium as Be	mg/L	< 0.001		032712	0.001	EPA200.7
Cadmium as Cd	mg/L	< 0.005		032712	0.005	EPA200.7
Calcium as Ca	mg/L	40		032712	0.2	EPA200.7
Chromium as Cr	mg/L	< 0.005		032712	0.005	EPA200.7
Cobalt as Co	mg/L	0.007		032712	0.005	EPA200.7
Copper as Cu	mg/L	< 0.01		032712	0.01	EPA200.7
Iron as Fe	mg/L	0.02		032712	0.01	EPA200.7
Lead as Pb	mg/L	< 0.005		032712	0.005	EPA200.7
Magnesium as Mg	mg/L	12		032712	0.005	EPA200.7
Manganese as Mn	mg/L	0.97		032712	0.01	EPA200.7
Mercury as Hg	mg/L	< 0.0002		032012	0.000	EPA245.1
Nickel as Ni	mg/L	0.02		032712	0.01	EPA200.7
Potassium as K	mg/L	5.7		032712	1	EPA200.7
Selenium as Se	mg/L	< 0.01		032712	0.01	EPA200.7
Silver as Ag	mg/L	< 0.005		032712	0.005	EPA200.7
Sodium as Na	mg/L	57		032712	1	EPA200.7
Thallium as Tl	mg/L	0.01	B	032712	0.005	EPA200.7
Vanadium as V	mg/L	< 0.005		032712	0.005	EPA200.7
Zinc as Zn	mg/L	0.01		032712	0.01	EPA200.7

cc:

LRL=Laboratory Reporting Limit

REMARKS: Sample was filtered by EcoTest.
B-Analyte is detected in the associated blank as well as in the sample.

Thomas Powell
DIRECTOR T.W. Powell

rn = 4964 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. • ENVIRONMENTAL TESTING

377 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

1 of 2 2

CHAIN OF CUSTODY RECORD

170963

Client: EEA INC
Address: 55 Hilton Ave
Garden City, NY 11530
Phone: 516 746-4400 FAX: 516 746-4437
Person receiving report: J. Shelley
Sampled by: J. Shelley
Source: 1143-1175 Woodrow Rd S.I.
Job No.: 10719

MATRIX (soil, water, etc)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	VOC-8260	TAL metals Filtered	TAL metals unfiltered	SVOC 8260 A/B/N	Pest/PCB 8081/8082	QC Pkg Type (If Required)	Accelerated Turnaround Date Required	REMARKS/TESTS REQUIRED
water	3/15/12	1630	GW-2/ms	8	✓	✓	✓	✓	✓			
water	3/15	1330	GW-3	8	✓	✓	✓	✓	✓			
water	3/15		Trip blank	2	✓							
												3.8°C

Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)	Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)
[signature] Representing: EEA	3/16/12 0800	YES NO NA	[signature] Representing: EcoTest	[signature] Representing: EcoTest	1020 3/16	YES NO NA	Milagros [signature] Representing:
Relinquished by: (Signature) Representing:	DATE/TIME	YES NO NA	Received by: (Signature) Representing:	Relinquished by: (Signature) Representing:	DATE/TIME	YES NO NA	Received by: (Signature) Representing:

ECOTEST LABORATORIES, INC. • ENVIRONMENTAL TESTING
377 Sheffield Avenue, North Babylon, New York 11703
(631) 422-5777 • FAX (631) 422-5770 • Email: ecotestlab@aol.com

2 of 2

CHAIN OF CUSTODY RECORD

120963

Client: EEA
Address: 55 Hilton Ave
Garden City NY
Phone: 516 746-4400 FAX: 516 746-4437
Person receiving report: J. Shelkey
Sampled by: J. Shelkey
Source: 1243-1275 Woodrow Road S.I.
Job No.: 10719

MATRIX (Soil, Water, etc.)	COLLECTED DATE	COLLECTED TIME	SAMPLE IDENTIFICATION	TOTAL NUMBER OF CONTAINERS	VOC method 8260	SVOC method 8270 B/N/A	Pest/PCB meth. 8081/8082	TAL METALS Filtered	TAL metals unfiltered					QC Pkg Type (If Required)	Accelerated Turnaround Date Required	REMARKS-TESTS REQUIRED
water	3/12	1030	GW-4	8	✓	✓	✓	✓	✓							
water	3/12	1050	MS/MSD	8	✓	✓	✓	✓	✓							
water	3/12	1110	Field DUP	8	✓	✓	✓	✓	✓							

Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)	Relinquished by: (Signature)	DATE/TIME	SEAL INTACT?	Received by: (Signature)
[signature] Representing: EEA	3/12/12 1330	YES NO NA	[signature] 3/13/12 11:00 Representing:	Representing:		YES NO NA	Representing:
Relinquished by: (Signature) Representing:	DATE/TIME	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:	Relinquished by: (Signature) Representing:	DATE/TIME	SEAL INTACT? YES NO NA	Received by: (Signature) Representing:

Appendix G

Laboratory Data Deliverables for Soil Vapor Analytical Data

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120402.01 02/09/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12
TIME COL'D:*
MATRIX:Air SAMPLE: SV-1, Vapor Well

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Propylene	ppbv	< 0.5		020312	0.5	EPATO-15
Dichlorodifluoromethane	ppbv	< 0.2		020312	0.2	EPATO-15
1,2-Dichlorotetrafluoroethan	ppbv	< 0.2		020312	0.2	EPATO-15
Chloromethane	ppbv	< 1		020312	1	EPATO-15
1,3 Butadiene	ppbv	< 1		020312	1	EPATO-15
Vinyl Chloride	ppbv	< 0.2		020312	0.2	EPATO-15
Bromomethane	ppbv	< 0.2		020312	0.2	EPATO-15
Chloroethane	ppbv	< 1		020312	1	EPATO-15
Vinyl Bromide	ppbv	< 0.2		020312	0.2	EPATO-15
Trichlorofluoromethane	ppbv	< 0.2		020312	0.2	EPATO-15
Ethyl alcohol	ppbv	< 2		020312	2	EPATO-15
Freon 113	ppbv	< 0.1		020312	0.1	EPATO-15
1,1 Dichloroethene	ppbv	< 0.1		020312	0.1	EPATO-15
Acetone	ppbv	310	D	020312	10	EPATO-15
Carbon disulfide	ppbv	< 0.5		020312	0.5	EPATO-15
Isopropyl Alcohol	ppbv	< 5		020312	5	EPATO-15
3-Chloropropene	ppbv	< 0.5		020312	0.5	EPATO-15
Methylene Chloride	ppbv	< 0.2		020312	0.2	EPATO-15
tert. Butyl Alcohol	ppbv	< 2		020312	2	EPATO-15
ter.ButylMethylEther	ppbv	< 0.2		020312	0.2	EPATO-15
t-1,2-Dichloroethene	ppbv	< 0.2		020312	0.2	EPATO-15
Acrylonitrile	ppbv	< 1		020312	1	EPATO-15
Hexane	ppbv	< 0.5		020312	0.5	EPATO-15
Vinyl Acetate	ppbv	< 0.5		020312	0.5	EPATO-15
1,1 Dichloroethane	ppbv	< 0.2		020312	0.2	EPATO-15

cc:

LRL=Laboratory Reporting Limit

REMARKS: * Collected from 13:09 to 15:40.
The LOQ for all analytes was confirmed with a daily LOQ std.
D: Compounds at secondary dilution factor

Thomas Powell
DIRECTOR

rn = 1912 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120402.01 02/09/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12
TIME COL'D:*
MATRIX:Air SAMPLE: SV-1, Vapor Well

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
c-1,2-Dichloroethene	ppbv	< 0.2		020312	0.2	EPATO-15
Methyl Ethyl Ketone	ppbv	< 1		020312	1	EPATO-15
Ethyl Acetate	ppbv	< 5		020312	5	EPATO-15
Tetrahydrofuran	ppbv	< 0.5		020312	0.5	EPATO-15
Chloroform	ppbv	< 0.2		020312	0.2	EPATO-15
Cyclohexane	ppbv	< 0.2		020312	0.2	EPATO-15
111 Trichloroethane	ppbv	< 0.2		020312	0.2	EPATO-15
Carbon Tetrachloride	ppbv	< 0.4		020312	0.4	EPATO-15
Benzene	ppbv	< 0.2		020312	0.2	EPATO-15
2,2,4-Trimethylpentane	ppbv	< 0.5		020312	0.5	EPATO-15
1,2 Dichloroethane	ppbv	< 0.5		020312	0.5	EPATO-15
Heptane	ppbv	< 0.5		020312	0.5	EPATO-15
Trichloroethene	ppbv	< 0.2		020312	0.2	EPATO-15
1,2 Dichloropropane	ppbv	< 0.5		020312	0.5	EPATO-15
1,4-Dioxane	ppbv	< 1		020312	1	EPATO-15
Bromodichloromethane	ppbv	< 0.2		020312	0.2	EPATO-15
c-1,3Dichloropropene	ppbv	< 0.5		020312	0.5	EPATO-15
Methylisobutylketone	ppbv	< 1		020312	1	EPATO-15
Toluene	ppbv	8.5		020312	0.2	EPATO-15
t-1,3Dichloropropene	ppbv	< 0.2		020312	0.2	EPATO-15
112 Trichloroethane	ppbv	< 0.2		020312	0.2	EPATO-15
Tetrachloroethene	ppbv	< 0.2		020312	0.2	EPATO-15
2-Hexanone	ppbv	< 0.5		020312	0.5	EPATO-15
Chlorodibromomethane	ppbv	< 0.2		020312	0.2	EPATO-15
1,2 Dibromoethane	ppbv	< 0.2		020312	0.2	EPATO-15

cc:

LRL=Laboratory Reporting Limit

REMARKS: * Collected from 13:09 to 15:40.
The LOQ for all analytes was confirmed with a daily LOQ std.

Thomas Powell
DIRECTOR

rn = 1913 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120402.01 02/09/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12
TIME COL'D:*
MATRIX:Air SAMPLE: SV-1, Vapor Well

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chlorobenzene	ppbv	< 0.2		020312	0.2	EPATO-15
Ethyl Benzene	ppbv	< 0.2		020312	0.2	EPATO-15
m + p Xylene	ppbv	< 0.5		020312	0.5	EPATO-15
o Xylene	ppbv	< 0.2		020312	0.2	EPATO-15
Styrene	ppbv	< 0.2		020312	0.2	EPATO-15
Bromoform	ppbv	< 0.2		020312	0.2	EPATO-15
1122Tetrachloroethane	ppbv	< 0.2		020312	0.2	EPATO-15
p-Ethyltoluene	ppbv	< 0.5		020312	0.5	EPATO-15
135-Trimethylbenzene	ppbv	< 0.5		020312	0.5	EPATO-15
124-Trimethylbenzene	ppbv	< 0.5		020312	0.5	EPATO-15
1,3 Dichlorobenzene (v)	ppbv	< 0.2		020312	0.2	EPATO-15
1,4 Dichlorobenzene (v)	ppbv	< 0.5		020312	0.5	EPATO-15
Benzyl Chloride	ppbv	< 0.2		020312	0.2	EPATO-15
1,2 Dichlorobenzene (v)	ppbv	< 0.5		020312	0.5	EPATO-15
Hexachlorobutadiene	ppbv	< 0.5		020312	0.5	EPATO-15
Helium	%	< 1		020712	1	

cc:

LRL=Laboratory Reporting Limit

REMARKS: * Collected from 13:09 to 15:40.
The LOQ for all analytes was confirmed with a daily LOQ std.

Thomas Powell
DIRECTOR

rn = 1914 NYSDOH ID # 10320

ECOTEST ID	120402.01
SOURCE OF SAMPLE	Woodrow Road, Staten Island, EEA #10719
SAMPLE ID	SV-1, Vapor Well
DATE SAMPLED	2/1/2012
MATRIX	Air
ANALYTICAL METHOD	EPA TO-15

ANALYTE	CAS NO	DATE OF ANALYSIS		CONC UG/M3	LRL UG/M3
1,1 Dichloroethane	75-34-3	2/3/2012	<	0.81	0.81
1,1 Dichloroethene	75-35-4	2/3/2012	<	0.40	0.40
1,2 Dibromoethane	106-93-4	2/3/2012	<	1.54	1.54
1,2 Dichlorobenzene (v)	95-50-1	2/3/2012	<	3.01	3.01
1,2 Dichloroethane	107-06-2	2/3/2012	<	2.03	2.03
1,2 Dichloropropane	78-87-5	2/3/2012	<	2.31	2.31
1,2-Dichlorotetrafluoroethane	76-14-2	2/3/2012	<	1.40	1.40
1,3 Butadiene	106-99-0	2/3/2012	<	2.21	2.21
1,3 Dichlorobenzene (v)	541-73-1	2/3/2012	<	1.20	1.20
1,4 Dichlorobenzene (v)	106-46-7	2/3/2012	<	3.01	3.01
1,4-Dioxane	123-91-1	2/3/2012	<	3.60	3.60
111 Trichloroethane	71-55-6	2/3/2012	<	1.09	1.09
112 Trichloroethane	79-00-5	2/3/2012	<	1.09	1.09
1122Tetrachloroethane	79-34-5	2/3/2012	<	1.37	1.37
124-Trimethylbenzene	95-63-6	2/3/2012	<	2.46	2.46
135-Trimethylbenzene	108-67-8	2/3/2012	<	2.46	2.46
2,2,4-Trimethylpentane	540-84-1	2/3/2012	<	2.33	2.33
2-Hexanone	591-78-6	2/3/2012	<	2.05	2.05
3-Chloropropene	107-05-1	2/3/2012	<	1.57	1.57
Acetone	67-64-1	2/3/2012		737.18	2.38
Acrylonitrile	107-13-1	2/3/2012	<	2.17	2.17
Benzene	71-43-2	2/3/2012	<	0.64	0.64
Benzyl Chloride	100-44-7	2/3/2012	<	1.04	1.04
Bromodichloromethane	75-27-4	2/3/2012	<	1.33	1.33
Bromoform	75-25-2	2/3/2012	<	2.07	2.07
Bromomethane	74-83-9	2/3/2012	<	0.78	0.78
c-1,2-Dichloroethene	156-59-2	2/3/2012	<	0.79	0.79
c-1,3Dichloropropene	10061-01-5	2/3/2012	<	2.27	2.27
Carbon disulfide	75-15-0	2/3/2012	<	1.56	1.56
Carbon Tetrachloride	56-23-5	2/3/2012	<	2.52	2.52
Chlorobenzene	108-90-7	2/3/2012	<	0.92	0.92
Chlorodibromomethane	124-48-1	2/3/2012	<	1.69	1.69
Chloroethane	75-00-3	2/3/2012	<	2.64	2.64
Chloroform	67-66-3	2/3/2012	<	0.97	0.97
Chloromethane	74-87-3	2/3/2012	<	2.07	2.07
Cyclohexane	110-82-7	2/3/2012	<	0.69	0.69
Dichlorodifluoromethane	75-71-8	2/3/2012	<	0.99	0.99
Ethyl Acetate	141-78-6	2/3/2012	<	18.01	18.01
Ethyl alcohol	64-17-5	2/3/2012	<	3.77	3.77
Ethyl Benzene	100-41-4	2/3/2012	<	0.87	0.87
Freon 113	76-13-1	2/3/2012	<	0.77	0.77

ECOTEST ID	120402.01			
SOURCE OF SAMPLE	Woodrow Road, Staten Island, EEA #10719			
SAMPLE ID	SV-1, Vapor Well			
DATE SAMPLED	2/1/2012			
MATRIX	Air			
ANALYTICAL METHOD	EPA TO-15			

ANALYTE	CAS NO	DATE OF ANALYSIS		CONC UG/M3	LRL UG/M3
Heptane	142-82-5	2/3/2012	<	2.05	2.05
Hexachlorobutadiene	87-68-3	2/3/2012	<	5.34	5.34
Hexane	110-54-3	2/3/2012	<	1.76	1.76
Isopropyl Alcohol	67-63-0	2/3/2012	<	12.28	12.28
m + p Xylene	XYL-MP	2/3/2012	<	2.17	2.17
Methyl Ethyl Ketone	78-93-3	2/3/2012	<	2.95	2.95
Methylene Chloride	75-09-2	2/3/2012	<	0.69	0.69
Methylisobutylketone	108-10-1	2/3/2012	<	4.10	4.10
o Xylene	95-47-6	2/3/2012	<	0.87	0.87
p-Ethyltoluene	622-96-8	2/3/2012	<	2.46	2.46
Propylene	115-07-1	2/3/2012	<	0.86	0.86
Styrene	100-42-5	2/3/2012	<	0.85	0.85
t-1,2-Dichloroethene	156-60-5	2/3/2012	<	0.79	0.79
t-1,3Dichloropropene	10061-02-6	2/3/2012	<	0.91	0.91
ter.ButylMethylEther	1634-04-4	2/3/2012	<	0.70	0.70
tert. Butyl Alcohol	75-65-0	2/3/2012	<	6.06	6.06
Tetrachloroethene	127-18-4	2/3/2012	<	1.36	1.36
Tetrahydrofuran	109-99-9	2/3/2012	<	1.47	1.47
Toluene	108-88-3	2/3/2012		32.00	0.75
Trichloroethene	79-01-6	2/3/2012	<	1.07	1.07
Trichlorofluoromethane	75-69-4	2/3/2012	<	1.12	1.12
Vinyl Acetate	108-05-4	2/3/2012	<	1.76	1.76
Vinyl Bromide	593-60-2	2/3/2012	<	0.88	0.88
Vinyl Chloride	75-01-4	2/3/2012	<	0.51	0.51

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120513.00 02/17/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/09/12 RECEIVED:02/10/12
TIME COL'D:*
MATRIX:Air SAMPLE: SV-2, Vapor Well

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Propylene	ppbv	< 0.5		021412	0.5	EPATO-15
Dichlorodifluoromethane	ppbv	< 0.2		021412	0.2	EPATO-15
1,2-Dichlorotetrafluoroetha	ppbv	< 0.2		021412	0.2	EPATO-15
Chloromethane	ppbv	< 1		021412	1	EPATO-15
1,3 Butadiene	ppbv	< 1		021412	1	EPATO-15
Vinyl Chloride	ppbv	< 0.2		021412	0.2	EPATO-15
Bromomethane	ppbv	< 0.2		021412	0.2	EPATO-15
Chloroethane	ppbv	< 1		021412	1	EPATO-15
Vinyl Bromide	ppbv	< 0.2		021412	0.2	EPATO-15
Trichlorofluoromethane	ppbv	< 0.2		021412	0.2	EPATO-15
Ethyl alcohol	ppbv	< 2		021412	2	EPATO-15
Freon 113	ppbv	< 0.1		021412	0.1	EPATO-15
1,1 Dichloroethene	ppbv	< 0.1		021412	0.1	EPATO-15
Acetone	ppbv	73		021412	1	EPATO-15
Carbon disulfide	ppbv	3.2		021412	0.5	EPATO-15
Isopropyl Alcohol	ppbv	< 5		021412	5	EPATO-15
3-Chloropropene	ppbv	< 0.5		021412	0.5	EPATO-15
Methylene Chloride	ppbv	< 0.2		021412	0.2	EPATO-15
tert. Butyl Alcohol	ppbv	< 2		021412	2	EPATO-15
ter.ButylMethylEther	ppbv	< 0.2		021412	0.2	EPATO-15
t-1,2-Dichloroethene	ppbv	< 0.2		021412	0.2	EPATO-15
Acrylonitrile	ppbv	< 1		021412	1	EPATO-15
Hexane	ppbv	< 0.5		021412	0.5	EPATO-15
Vinyl Acetate	ppbv	< 0.5		021412	0.5	EPATO-15
1,1 Dichloroethane	ppbv	< 0.2		021412	0.2	EPATO-15

cc:

LRL=Laboratory Reporting Limit

REMARKS: * Collected from 09:30 to 12:00.
The LOQ for all analytes was confirmed with a daily LOQ std.

Thomas Powell
DIRECTOR T.W. Powell

ECOTEST LABORATORIES, INC. **ENVIRONMENTAL TESTING**

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120513.00 02/17/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/09/12 RECEIVED:02/10/12
TIME COL'D:*
MATRIX:Air SAMPLE: SV-2, Vapor Well

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
c-1,2-Dichloroethene	ppbv	< 0.2		021412	0.2	EPATO-15
Methyl Ethyl Ketone	ppbv	< 1		021412	1	EPATO-15
Ethyl Acetate	ppbv	< 5		021412	5	EPATO-15
Tetrahydrofuran	ppbv	< 0.5		021412	0.5	EPATO-15
Chloroform	ppbv	< 0.2		021412	0.2	EPATO-15
Cyclohexane	ppbv	1.1		021412	0.2	EPATO-15
111 Trichloroethane	ppbv	< 0.2		021412	0.2	EPATO-15
Carbon Tetrachloride	ppbv	< 0.4		021412	0.4	EPATO-15
Benzene	ppbv	1.4		021412	0.2	EPATO-15
2,2,4-Trimethylpentane	ppbv	< 0.5		021412	0.5	EPATO-15
1,2 Dichloroethane	ppbv	< 0.5		021412	0.5	EPATO-15
Heptane	ppbv	< 0.5		021412	0.5	EPATO-15
Trichloroethene	ppbv	< 0.2		021412	0.2	EPATO-15
1,2 Dichloropropane	ppbv	< 0.5		021412	0.5	EPATO-15
1,4-Dioxane	ppbv	< 1		021412	1	EPATO-15
Bromodichloromethane	ppbv	< 0.2		021412	0.2	EPATO-15
c-1,3Dichloropropene	ppbv	< 0.5		021412	0.5	EPATO-15
Methylisobutylketone	ppbv	< 1		021412	1	EPATO-15
Toluene	ppbv	2.2		021412	0.2	EPATO-15
t-1,3Dichloropropene	ppbv	< 0.2		021412	0.2	EPATO-15
112 Trichloroethane	ppbv	< 0.2		021412	0.2	EPATO-15
Tetrachloroethene	ppbv	< 0.2		021412	0.2	EPATO-15
2-Hexanone	ppbv	< 0.5		021412	0.5	EPATO-15
Chlorodibromomethane	ppbv	< 0.2		021412	0.2	EPATO-15
1,2 Dibromoethane	ppbv	< 0.2		021412	0.2	EPATO-15

cc:

LRL=Laboratory Reporting Limit

REMARKS: * Collected from 09:30 to 12:00.
The LOQ for all analytes was confirmed with a daily LOQ std.

Thomas Powell
DIRECTOR

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120513.00 02/17/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/09/12 RECEIVED:02/10/12
TIME COL'D:*
MATRIX:Air SAMPLE: SV-2, Vapor Well

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chlorobenzene	ppbv	< 0.2		021412	0.2	EPATO-15
Ethyl Benzene	ppbv	< 0.2		021412	0.2	EPATO-15
m + p Xylene	ppbv	< 0.5		021412	0.5	EPATO-15
o Xylene	ppbv	< 0.2		021412	0.2	EPATO-15
Styrene	ppbv	< 0.2		021412	0.2	EPATO-15
Bromoform	ppbv	< 0.2		021412	0.2	EPATO-15
1122Tetrachloroethane	ppbv	< 0.2		021412	0.2	EPATO-15
p-Ethyltoluene	ppbv	< 0.5		021412	0.5	EPATO-15
135-Trimethylbenzene	ppbv	< 0.5		021412	0.5	EPATO-15
124-Trimethylbenzene	ppbv	< 0.5		021412	0.5	EPATO-15
1,3 Dichlorobenzene (v)	ppbv	< 0.2		021412	0.2	EPATO-15
1,4 Dichlorobenzene (v)	ppbv	< 0.5		021412	0.5	EPATO-15
Benzyl Chloride	ppbv	< 0.2		021412	0.2	EPATO-15
1,2 Dichlorobenzene (v)	ppbv	< 0.5		021412	0.5	EPATO-15
Hexachlorobutadiene	ppbv	< 0.5		021412	0.5	EPATO-15
Helium	%	< 1		021512	1	EPATO-15

cc:

LRL=Laboratory Reporting Limit

REMARKS: * Collected from 09:30 to 12:00.
The LOQ for all analytes was confirmed with a daily LOQ std.

Thomas Powell
DIRECTOR Th. Powell

ECOTEST ID	120513.00				
SOURCE OF SAMPLE	Woodrow Road, Staten Island, EEA #10719				
SAMPLE ID	SV-2, Vapor Well				
DATE SAMPLED	2/9/2012				
MATRIX	Air				
ANALYTICAL METHOD	EPA TO-15				

ANALYTE	CAS NO	DATE OF ANALYSIS		CONC UG/M3	LRL UG/M3
1,1 Dichloroethane	75-34-3	2/14/2012	<	0.81	0.81
1,1 Dichloroethene	75-35-4	2/14/2012	<	0.40	0.40
1,2 Dibromoethane	106-93-4	2/14/2012	<	1.54	1.54
1,2 Dichlorobenzene (v)	95-50-1	2/14/2012	<	3.01	3.01
1,2 Dichloroethane	107-06-2	2/14/2012	<	2.03	2.03
1,2 Dichloropropane	78-87-5	2/14/2012	<	2.31	2.31
1,2-Dichlorotetrafluoroethane	76-14-2	2/14/2012	<	1.40	1.40
1,3 Butadiene	106-99-0	2/14/2012	<	2.21	2.21
1,3 Dichlorobenzene (v)	541-73-1	2/14/2012	<	1.20	1.20
1,4 Dichlorobenzene (v)	106-46-7	2/14/2012	<	3.01	3.01
1,4-Dioxane	123-91-1	2/14/2012	<	3.60	3.60
111 Trichloroethane	71-55-6	2/14/2012	<	1.09	1.09
112 Trichloroethane	79-00-5	2/14/2012	<	1.09	1.09
1122Tetrachloroethane	79-34-5	2/14/2012	<	1.37	1.37
124-Trimethylbenzene	95-63-6	2/14/2012	<	2.46	2.46
135-Trimethylbenzene	108-67-8	2/14/2012	<	2.46	2.46
2,2,4-Trimethylpentane	540-84-1	2/14/2012	<	2.33	2.33
2-Hexanone	591-78-6	2/14/2012	<	2.05	2.05
3-Chloropropene	107-05-1	2/14/2012	<	1.57	1.57
Acetone	67-64-1	2/14/2012		173.59	2.38
Acrylonitrile	107-13-1	2/14/2012	<	2.17	2.17
Benzene	71-43-2	2/14/2012		4.47	0.64
Benzyl Chloride	100-44-7	2/14/2012	<	1.04	1.04
Bromodichloromethane	75-27-4	2/14/2012	<	1.33	1.33
Bromoform	75-25-2	2/14/2012	<	2.07	2.07
Bromomethane	74-83-9	2/14/2012	<	0.78	0.78
c-1,2-Dichloroethene	156-59-2	2/14/2012	<	0.79	0.79
c-1,3Dichloropropene	10061-01-5	2/14/2012	<	2.27	2.27
Carbon disulfide	75-15-0	2/14/2012		9.95	1.56
Carbon Tetrachloride	56-23-5	2/14/2012	<	2.52	2.52
Chlorobenzene	108-90-7	2/14/2012	<	0.92	0.92
Chlorodibromomethane	124-48-1	2/14/2012	<	1.69	1.69
Chloroethane	75-00-3	2/14/2012	<	2.64	2.64
Chloroform	67-66-3	2/14/2012	<	0.97	0.97
Chloromethane	74-87-3	2/14/2012	<	2.07	2.07
Cyclohexane	110-82-7	2/14/2012		3.79	0.69
Dichlorodifluoromethane	75-71-8	2/14/2012	<	0.99	0.99
Ethyl Acetate	141-78-6	2/14/2012	<	18.01	18.01
Ethyl alcohol	64-17-5	2/14/2012	<	3.77	3.77
Ethyl Benzene	100-41-4	2/14/2012	<	0.87	0.87
Freon 113	76-13-1	2/14/2012	<	0.77	0.77

ECOTEST ID	**120513.00**				
SOURCE OF SAMPLE	**Woodrow Road, Staten Island, EEA #10719**				
SAMPLE ID	**SV-2, Vapor Well**				
DATE SAMPLED	**2/9/2012**				
MATRIX	**Air**				
ANALYTICAL METHOD	**EPA TO-15**				
		DATE OF		**CONC**	**LRL**
ANALYTE	**CAS NO**	**ANALYSIS**		**UG/M3**	**UG/M3**
Heptane	142-82-5	2/14/2012	<	2.05	2.05
Hexachlorobutadiene	87-68-3	2/14/2012	<	5.34	5.34
Hexane	110-54-3	2/14/2012	<	1.76	1.76
Isopropyl Alcohol	67-63-0	2/14/2012	<	12.28	12.28
m + p Xylene	XYL-MP	2/14/2012	<	2.17	2.17
Methyl Ethyl Ketone	78-93-3	2/14/2012	<	2.95	2.95
Methylene Chloride	75-09-2	2/14/2012	<	0.69	0.69
Methylisobutylketone	108-10-1	2/14/2012	<	4.10	4.10
o Xylene	95-47-6	2/14/2012	<	0.87	0.87
p-Ethyltoluene	622-96-8	2/14/2012	<	2.46	2.46
Propylene	115-07-1	2/14/2012	<	0.86	0.86
Styrene	100-42-5	2/14/2012	<	0.85	0.85
t-1,2-Dichloroethene	156-60-5	2/14/2012	<	0.79	0.79
t-1,3Dichloropropene	10061-02-6	2/14/2012	<	0.91	0.91
ter.ButylMethylEther	1634-04-4	2/14/2012	<	0.70	0.70
tert. Butyl Alcohol	75-65-0	2/14/2012	<	6.06	6.06
Tetrachloroethene	127-18-4	2/14/2012	<	1.36	1.36
Tetrahydrofuran	109-99-9	2/14/2012	<	1.47	1.47
Toluene	108-88-3	2/14/2012		8.28	0.75
Trichloroethene	79-01-6	2/14/2012	<	1.07	1.07
Trichlorofluoromethane	75-69-4	2/14/2012	<	1.12	1.12
Vinyl Acetate	108-05-4	2/14/2012	<	1.76	1.76
Vinyl Bromide	593-60-2	2/14/2012	<	0.88	0.88
Vinyl Chloride	75-01-4	2/14/2012	<	0.51	0.51

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120402.02 02/09/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12
TIME COL'D:*
MATRIX:Air SAMPLE: SV-3, Vapor Well

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Propylene	ppbv	< 0.5		020312	0.5	EPATO-15
Dichlorodifluoromethane	ppbv	< 0.2		020312	0.2	EPATO-15
1,2-Dichlorotetrafluoroethan	ppbv	< 0.2		020312	0.2	EPATO-15
Chloromethane	ppbv	< 1		020312	1	EPATO-15
1,3 Butadiene	ppbv	< 1		020312	1	EPATO-15
Vinyl Chloride	ppbv	< 0.2		020312	0.2	EPATO-15
Bromomethane	ppbv	< 0.2		020312	0.2	EPATO-15
Chloroethane	ppbv	< 1		020312	1	EPATO-15
Vinyl Bromide	ppbv	< 0.2		020312	0.2	EPATO-15
Trichlorofluoromethane	ppbv	11		020312	0.2	EPATO-15
Ethyl alcohol	ppbv	< 2		020312	2	EPATO-15
Freon 113	ppbv	< 0.1		020312	0.1	EPATO-15
1,1 Dichloroethene	ppbv	< 0.1		020312	0.1	EPATO-15
Acetone	ppbv	190	D	020312	10	EPATO-15
Carbon disulfide	ppbv	2.1		020312	0.5	EPATO-15
Isopropyl Alcohol	ppbv	< 5		020312	5	EPATO-15
3-Chloropropene	ppbv	< 0.5		020312	0.5	EPATO-15
Methylene Chloride	ppbv	< 0.2		020312	0.2	EPATO-15
tert. Butyl Alcohol	ppbv	< 2		020312	2	EPATO-15
ter.ButylMethylEther	ppbv	< 0.2		020312	0.2	EPATO-15
t-1,2-Dichloroethene	ppbv	< 0.2		020312	0.2	EPATO-15
Acrylonitrile	ppbv	< 1		020312	1	EPATO-15
Hexane	ppbv	3.6		020312	0.5	EPATO-15
Vinyl Acetate	ppbv	< 0.5		020312	0.5	EPATO-15
1,1 Dichloroethane	ppbv	< 0.2		020312	0.2	EPATO-15

cc:

LRL=Laboratory Reporting Limit

REMARKS: * Collected from 15:00 to 16:40.
The LOQ for all analytes was confirmed with a daily LOQ std.
D: Compounds at secondary dilution factor

Thomas Powell
DIRECTOR

rn = 1915 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120402.02 02/09/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12
TIME COL'D:*
MATRIX:Air SAMPLE: SV-3, Vapor Well

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
c-1,2-Dichloroethene	ppbv	< 0.2		020312	0.2	EPATO-15
Methyl Ethyl Ketone	ppbv	< 1		020312	1	EPATO-15
Ethyl Acetate	ppbv	< 5		020312	5	EPATO-15
Tetrahydrofuran	ppbv	< 0.5		020312	0.5	EPATO-15
Chloroform	ppbv	< 0.2		020312	0.2	EPATO-15
Cyclohexane	ppbv	< 0.2		020312	0.2	EPATO-15
111 Trichloroethane	ppbv	< 0.2		020312	0.2	EPATO-15
Carbon Tetrachloride	ppbv	< 0.4		020312	0.4	EPATO-15
Benzene	ppbv	1.2		020312	0.2	EPATO-15
2,2,4-Trimethylpentane	ppbv	< 0.5		020312	0.5	EPATO-15
1,2 Dichloroethane	ppbv	< 0.5		020312	0.5	EPATO-15
Heptane	ppbv	< 0.5		020312	0.5	EPATO-15
Trichloroethene	ppbv	< 0.2		020312	0.2	EPATO-15
1,2 Dichloropropane	ppbv	< 0.5		020312	0.5	EPATO-15
1,4-Dioxane	ppbv	< 1		020312	1	EPATO-15
Bromodichloromethane	ppbv	< 0.2		020312	0.2	EPATO-15
c-1,3Dichloropropene	ppbv	< 0.5		020312	0.5	EPATO-15
Methylisobutylketone	ppbv	< 1		020312	1	EPATO-15
Toluene	ppbv	7.3		020312	0.2	EPATO-15
t-1,3Dichloropropene	ppbv	< 0.2		020312	0.2	EPATO-15
112 Trichloroethane	ppbv	< 0.2		020312	0.2	EPATO-15
Tetrachloroethene	ppbv	< 0.2		020312	0.2	EPATO-15
2-Hexanone	ppbv	< 0.5		020312	0.5	EPATO-15
Chlorodibromomethane	ppbv	< 0.2		020312	0.2	EPATO-15
1,2 Dibromoethane	ppbv	< 0.2		020312	0.2	EPATO-15

cc:

LRL=Laboratory Reporting Limit

REMARKS: * Collected from 15:00 to 16:40.
The LOQ for all analytes was confirmed with a daily LOQ std.

Thomas Powell
DIRECTOR

rn = 1916 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120402.02 02/09/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12
TIME COL'D:*
MATRIX:Air SAMPLE: SV-3, Vapor Well

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chlorobenzene	ppbv	< 0.2		020312	0.2	EPATO-15
Ethyl Benzene	ppbv	< 0.2		020312	0.2	EPATO-15
m + p Xylene	ppbv	< 0.5		020312	0.5	EPATO-15
o Xylene	ppbv	< 0.2		020312	0.2	EPATO-15
Styrene	ppbv	< 0.2		020312	0.2	EPATO-15
Bromoform	ppbv	< 0.2		020312	0.2	EPATO-15
1122Tetrachloroethane	ppbv	< 0.2		020312	0.2	EPATO-15
p-Ethyltoluene	ppbv	< 0.5		020312	0.5	EPATO-15
135-Trimethylbenzene	ppbv	< 0.5		020312	0.5	EPATO-15
124-Trimethylbenzene	ppbv	< 0.5		020312	0.5	EPATO-15
1,3 Dichlorobenzene (v)	ppbv	< 0.2		020312	0.2	EPATO-15
1,4 Dichlorobenzene (v)	ppbv	< 0.5		020312	0.5	EPATO-15
Benzyl Chloride	ppbv	< 0.2		020312	0.2	EPATO-15
1,2 Dichlorobenzene (v)	ppbv	< 0.5		020312	0.5	EPATO-15
Hexachlorobutadiene	ppbv	< 0.5		020312	0.5	EPATO-15
Helium	%	< 2		020712	2	EPATO-15

cc:

LRL=Laboratory Reporting Limit

REMARKS: * Collected from 15:00 to 16:40.
The LOQ for all analytes was confirmed with a daily LOQ std.

Thomas Powell
DIRECTOR T.W. Powell

rn = 1917 NYSDOH ID # 10320

ECOTEST ID	120402.02				
SOURCE OF SAMPLE	Woodrow Road, Staten Island, EEA #10719				
SAMPLE ID	SV-3, Vapor Well				
DATE SAMPLED	2/1/2012				
MATRIX	Air				
ANALYTICAL METHOD	EPA TO-15				
ANALYTE	CAS NO	DATE OF ANALYSIS		CONC UG/M3	LRL UG/M3
1,1 Dichloroethane	75-34-3	2/3/2012	<	0.81	0.81
1,1 Dichloroethene	75-35-4	2/3/2012	<	0.40	0.40
1,2 Dibromoethane	106-93-4	2/3/2012	<	1.54	1.54
1,2 Dichlorobenzene (v)	95-50-1	2/3/2012	<	3.01	3.01
1,2 Dichloroethane	107-06-2	2/3/2012	<	2.03	2.03
1,2 Dichloropropane	78-87-5	2/3/2012	<	2.31	2.31
1,2-Dichlorotetrafluoroethane	76-14-2	2/3/2012	<	1.40	1.40
1,3 Butadiene	106-99-0	2/3/2012	<	2.21	2.21
1,3 Dichlorobenzene (v)	541-73-1	2/3/2012	<	1.20	1.20
1,4 Dichlorobenzene (v)	106-46-7	2/3/2012	<	3.01	3.01
1,4-Dioxane	123-91-1	2/3/2012	<	3.60	3.60
111 Trichloroethane	71-55-6	2/3/2012	<	1.09	1.09
112 Trichloroethane	79-00-5	2/3/2012	<	1.09	1.09
1122Tetrachloroethane	79-34-5	2/3/2012	<	1.37	1.37
124-Trimethylbenzene	95-63-6	2/3/2012	<	2.46	2.46
135-Trimethylbenzene	108-67-8	2/3/2012	<	2.46	2.46
2,2,4-Trimethylpentane	540-84-1	2/3/2012	<	2.33	2.33
2-Hexanone	591-78-6	2/3/2012	<	2.05	2.05
3-Chloropropene	107-05-1	2/3/2012	<	1.57	1.57
Acetone	67-64-1	2/3/2012		451.82	2.38
Acrylonitrile	107-13-1	2/3/2012	<	2.17	2.17
Benzene	71-43-2	2/3/2012		3.83	0.64
Benzyl Chloride	100-44-7	2/3/2012	<	1.04	1.04
Bromodichloromethane	75-27-4	2/3/2012	<	1.33	1.33
Bromoform	75-25-2	2/3/2012	<	2.07	2.07
Bromomethane	74-83-9	2/3/2012	<	0.78	0.78
c-1,2-Dichloroethene	156-59-2	2/3/2012	<	0.79	0.79
c-1,3Dichloropropene	10061-01-5	2/3/2012	<	2.27	2.27
Carbon disulfide	75-15-0	2/3/2012		6.53	1.56
Carbon Tetrachloride	56-23-5	2/3/2012	<	2.52	2.52
Chlorobenzene	108-90-7	2/3/2012	<	0.92	0.92
Chlorodibromomethane	124-48-1	2/3/2012	<	1.69	1.69
Chloroethane	75-00-3	2/3/2012	<	2.64	2.64
Chloroform	67-66-3	2/3/2012	<	0.97	0.97
Chloromethane	74-87-3	2/3/2012	<	2.07	2.07
Cyclohexane	110-82-7	2/3/2012	<	0.69	0.69
Dichlorodifluoromethane	75-71-8	2/3/2012	<	0.99	0.99
Ethyl Acetate	141-78-6	2/3/2012	<	18.01	18.01
Ethyl alcohol	64-17-5	2/3/2012	<	3.77	3.77
Ethyl Benzene	100-41-4	2/3/2012	<	0.87	0.87
Freon 113	76-13-1	2/3/2012	<	0.77	0.77

ECOTEST ID	**120402.02**				
SOURCE OF SAMPLE	**Woodrow Road, Staten Island, EEA #10719**				
SAMPLE ID	**SV-3, Vapor Well**				
DATE SAMPLED	**2/1/2012**				
MATRIX	**Air**				
ANALYTICAL METHOD	**EPA TO-15**				
		DATE OF		**CONC**	**LRL**
ANALYTE	**CAS NO**	**ANALYSIS**		**UG/M3**	**UG/M3**
Heptane	142-82-5	2/3/2012	<	2.05	2.05
Hexachlorobutadiene	87-68-3	2/3/2012	<	5.34	5.34
Hexane	110-54-3	2/3/2012		12.70	1.76
Isopropyl Alcohol	67-63-0	2/3/2012	<	12.28	12.28
m + p Xylene	XYL-MP	2/3/2012	<	2.17	2.17
Methyl Ethyl Ketone	78-93-3	2/3/2012	<	2.95	2.95
Methylene Chloride	75-09-2	2/3/2012	<	0.69	0.69
Methylisobutylketone	108-10-1	2/3/2012	<	4.10	4.10
o Xylene	95-47-6	2/3/2012	<	0.87	0.87
p-Ethyltoluene	622-96-8	2/3/2012	<	2.46	2.46
Propylene	115-07-1	2/3/2012	<	0.86	0.86
Styrene	100-42-5	2/3/2012	<	0.85	0.85
t-1,2-Dichloroethene	156-60-5	2/3/2012	<	0.79	0.79
t-1,3Dichloropropene	10061-02-6	2/3/2012	<	0.91	0.91
ter.ButylMethylEther	1634-04-4	2/3/2012	<	0.70	0.70
tert. Butyl Alcohol	75-65-0	2/3/2012	<	6.06	6.06
Tetrachloroethene	127-18-4	2/3/2012	<	1.36	1.36
Tetrahydrofuran	109-99-9	2/3/2012	<	1.47	1.47
Toluene	108-88-3	2/3/2012		27.49	0.75
Trichloroethene	79-01-6	2/3/2012	<	1.07	1.07
Trichlorofluoromethane	75-69-4	2/3/2012		61.84	1.12
Vinyl Acetate	108-05-4	2/3/2012	<	1.76	1.76
Vinyl Bromide	593-60-2	2/3/2012	<	0.88	0.88
Vinyl Chloride	75-01-4	2/3/2012	<	0.51	0.51

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120402.04 02/09/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12
TIME COL'D:*
MATRIX:Air SAMPLE: SV-4, Vapor Well

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Propylene	ppbv	< 0.5		020312	0.5	EPATO-15
Dichlorodifluoromethane	ppbv	< 0.2		020312	0.2	EPATO-15
1,2-Dichlorotetrafluoroethan	ppbv	< 0.2		020312	0.2	EPATO-15
Chloromethane	ppbv	< 1		020312	1	EPATO-15
1,3 Butadiene	ppbv	< 1		020312	1	EPATO-15
Vinyl Chloride	ppbv	< 0.2		020312	0.2	EPATO-15
Bromomethane	ppbv	< 0.2		020312	0.2	EPATO-15
Chloroethane	ppbv	< 1		020312	1	EPATO-15
Vinyl Bromide	ppbv	< 0.2		020312	0.2	EPATO-15
Trichlorofluoromethane	ppbv	< 0.2		020312	0.2	EPATO-15
Ethyl alcohol	ppbv	< 2		020312	2	EPATO-15
Freon 113	ppbv	< 0.1		020312	0.1	EPATO-15
1,1 Dichloroethene	ppbv	< 0.1		020312	0.1	EPATO-15
Acetone	ppbv	170	D	020412	10	EPATO-15
Carbon disulfide	ppbv	6.9		020312	0.5	EPATO-15
Isopropyl Alcohol	ppbv	< 5		020312	5	EPATO-15
3-Chloropropene	ppbv	< 0.5		020312	0.5	EPATO-15
Methylene Chloride	ppbv	< 0.2		020312	0.2	EPATO-15
tert. Butyl Alcohol	ppbv	< 2		020312	2	EPATO-15
ter.ButylMethylEther	ppbv	< 0.2		020312	0.2	EPATO-15
t-1,2-Dichloroethene	ppbv	< 0.2		020312	0.2	EPATO-15
Acrylonitrile	ppbv	< 1		020312	1	EPATO-15
Hexane	ppbv	< 0.5		020312	0.5	EPATO-15
Vinyl Acetate	ppbv	< 0.5		020312	0.5	EPATO-15
1,1 Dichloroethane	ppbv	< 0.2		020312	0.2	EPATO-15

cc:

LRL=Laboratory Reporting Limit

REMARKS: * Collected from 11:10 to 13:20.
The LOQ for all analytes was confirmed with a daily LOQ std.
D: Compounds at secondary dilution factor

Thomas Powell
DIRECTOR

rn = 1921 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com   Website: www.ecotestlabs.com

LAB NO.120402.04   02/09/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey   PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client   DATE COL'D:02/01/12 RECEIVED:02/02/12
TIME COL'D:*
MATRIX:Air   SAMPLE: SV-4, Vapor Well

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
c-1,2-Dichloroethene	ppbv	< 0.2		020312	0.2	EPATO-15
Methyl Ethyl Ketone	ppbv	< 1		020312	1	EPATO-15
Ethyl Acetate	ppbv	< 5		020312	5	EPATO-15
Tetrahydrofuran	ppbv	< 0.5		020312	0.5	EPATO-15
Chloroform	ppbv	< 0.2		020312	0.2	EPATO-15
Cyclohexane	ppbv	< 0.2		020312	0.2	EPATO-15
111 Trichloroethane	ppbv	< 0.2		020312	0.2	EPATO-15
Carbon Tetrachloride	ppbv	< 0.4		020312	0.4	EPATO-15
Benzene	ppbv	0.76		020312	0.2	EPATO-15
2,2,4-Trimethylpentane	ppbv	< 0.5		020312	0.5	EPATO-15
1,2 Dichloroethane	ppbv	< 0.5		020312	0.5	EPATO-15
Heptane	ppbv	< 0.5		020312	0.5	EPATO-15
Trichloroethene	ppbv	< 0.2		020312	0.2	EPATO-15
1,2 Dichloropropane	ppbv	< 0.5		020312	0.5	EPATO-15
1,4-Dioxane	ppbv	< 1		020312	1	EPATO-15
Bromodichloromethane	ppbv	< 0.2		020312	0.2	EPATO-15
c-1,3Dichloropropene	ppbv	< 0.5		020312	0.5	EPATO-15
Methylisobutylketone	ppbv	< 1		020312	1	EPATO-15
Toluene	ppbv	8.3		020312	0.2	EPATO-15
t-1,3Dichloropropene	ppbv	< 0.2		020312	0.2	EPATO-15
112 Trichloroethane	ppbv	< 0.2		020312	0.2	EPATO-15
Tetrachloroethene	ppbv	< 0.2		020312	0.2	EPATO-15
2-Hexanone	ppbv	< 0.5		020312	0.5	EPATO-15
Chlorodibromomethane	ppbv	< 0.2		020312	0.2	EPATO-15
1,2 Dibromoethane	ppbv	< 0.2		020312	0.2	EPATO-15

cc:

LRL=Laboratory Reporting Limit

REMARKS: * Collected from 11:10 to 13:20.
The LOQ for all analytes was confirmed with a daily LOQ std.

Thomas Powell
DIRECTOR

rn = 1922   NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120402.04 02/09/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530

ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12
TIME COL'D:*
MATRIX:Air SAMPLE: SV-4, Vapor Well

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chlorobenzene	ppbv	< 0.2		020312	0.2	EPATO-15
Ethyl Benzene	ppbv	< 0.2		020312	0.2	EPATO-15
m + p Xylene	ppbv	< 0.5		020312	0.5	EPATO-15
o Xylene	ppbv	< 0.2		020312	0.2	EPATO-15
Styrene	ppbv	< 0.2		020312	0.2	EPATO-15
Bromoform	ppbv	< 0.2		020312	0.2	EPATO-15
1122Tetrachloroethane	ppbv	< 0.2		020312	0.2	EPATO-15
p-Ethyltoluene	ppbv	< 0.5		020312	0.5	EPATO-15
135-Trimethylbenzene	ppbv	< 0.5		020312	0.5	EPATO-15
124-Trimethylbenzene	ppbv	< 0.5		020312	0.5	EPATO-15
1,3 Dichlorobenzene (v)	ppbv	< 0.2		020312	0.2	EPATO-15
1,4 Dichlorobenzene (v)	ppbv	< 0.5		020312	0.5	EPATO-15
Benzyl Chloride	ppbv	< 0.2		020312	0.2	EPATO-15
1,2 Dichlorobenzene (v)	ppbv	< 0.5		020312	0.5	EPATO-15
Hexachlorobutadiene	ppbv	< 0.5		020312	0.5	EPATO-15
Helium	%	< 1		020712	1	

cc:

LRL=Laboratory Reporting Limit

REMARKS: * Collected from 11:10 to 13:20.
The LOQ for all analytes was confirmed with a daily LOQ std.

Thomas Powell
DIRECTOR *[signature]*

ECOTEST ID	**120402.04**			
SOURCE OF SAMPLE	**Woodrow Road, Staten Island, EEA #10719**			
SAMPLE ID	**SV-4, Vapor Well**			
DATE SAMPLED	**2/1/2012**			
MATRIX	**Air**			
ANALYTICAL METHOD	**EPA TO-15**			

ANALYTE	CAS NO	DATE OF ANALYSIS		CONC UG/M3	LRL UG/M3
1,1 Dichloroethane	75-34-3	2/3/2012	<	0.81	0.81
1,1 Dichloroethene	75-35-4	2/3/2012	<	0.40	0.40
1,2 Dibromoethane	106-93-4	2/3/2012	<	1.54	1.54
1,2 Dichlorobenzene (v)	95-50-1	2/3/2012	<	3.01	3.01
1,2 Dichloroethane	107-06-2	2/3/2012	<	2.03	2.03
1,2 Dichloropropane	78-87-5	2/3/2012	<	2.31	2.31
1,2-Dichlorotetrafluoroethane	76-14-2	2/3/2012	<	1.40	1.40
1,3 Butadiene	106-99-0	2/3/2012	<	2.21	2.21
1,3 Dichlorobenzene (v)	541-73-1	2/3/2012	<	1.20	1.20
1,4 Dichlorobenzene (v)	106-46-7	2/3/2012	<	3.01	3.01
1,4-Dioxane	123-91-1	2/3/2012	<	3.60	3.60
111 Trichloroethane	71-55-6	2/3/2012	<	1.09	1.09
112 Trichloroethane	79-00-5	2/3/2012	<	1.09	1.09
1122Tetrachloroethane	79-34-5	2/3/2012	<	1.37	1.37
124-Trimethylbenzene	95-63-6	2/3/2012	<	2.46	2.46
135-Trimethylbenzene	108-67-8	2/3/2012	<	2.46	2.46
2,2,4-Trimethylpentane	540-84-1	2/3/2012	<	2.33	2.33
2-Hexanone	591-78-6	2/3/2012	<	2.05	2.05
3-Chloropropene	107-05-1	2/3/2012	<	1.57	1.57
Acetone	67-64-1	2/4/2012		404.26	2.38
Acrylonitrile	107-13-1	2/3/2012	<	2.17	2.17
Benzene	71-43-2	2/3/2012		2.43	0.64
Benzyl Chloride	100-44-7	2/3/2012	<	1.04	1.04
Bromodichloromethane	75-27-4	2/3/2012	<	1.33	1.33
Bromoform	75-25-2	2/3/2012	<	2.07	2.07
Bromomethane	74-83-9	2/3/2012	<	0.78	0.78
c-1,2-Dichloroethene	156-59-2	2/3/2012	<	0.79	0.79
c-1,3Dichloropropene	10061-01-5	2/3/2012	<	2.27	2.27
Carbon disulfide	75-15-0	2/3/2012		21.46	1.56
Carbon Tetrachloride	56-23-5	2/3/2012	<	2.52	2.52
Chlorobenzene	108-90-7	2/3/2012	<	0.92	0.92
Chlorodibromomethane	124-48-1	2/3/2012	<	1.69	1.69
Chloroethane	75-00-3	2/3/2012	<	2.64	2.64
Chloroform	67-66-3	2/3/2012	<	0.97	0.97
Chloromethane	74-87-3	2/3/2012	<	2.07	2.07
Cyclohexane	110-82-7	2/3/2012	<	0.69	0.69
Dichlorodifluoromethane	75-71-8	2/3/2012	<	0.99	0.99
Ethyl Acetate	141-78-6	2/3/2012	<	18.01	18.01
Ethyl alcohol	64-17-5	2/3/2012	<	3.77	3.77
Ethyl Benzene	100-41-4	2/3/2012	<	0.87	0.87
Freon 113	76-13-1	2/3/2012	<	0.77	0.77

ECOTEST ID	120402.04				
SOURCE OF SAMPLE	Woodrow Road, Staten Island, EEA #10719				
SAMPLE ID	SV-4, Vapor Well				
DATE SAMPLED	2/1/2012				
MATRIX	Air				
ANALYTICAL METHOD	EPA TO-15				
		DATE OF		CONC	LRL
ANALYTE	CAS NO	ANALYSIS		UG/M3	UG/M3
Heptane	142-82-5	2/3/2012	<	2.05	2.05
Hexachlorobutadiene	87-68-3	2/3/2012	<	5.34	5.34
Hexane	110-54-3	2/3/2012	<	1.76	1.76
Isopropyl Alcohol	67-63-0	2/3/2012	<	12.28	12.28
m + p Xylene	XYL-MP	2/3/2012	<	2.17	2.17
Methyl Ethyl Ketone	78-93-3	2/3/2012	<	2.95	2.95
Methylene Chloride	75-09-2	2/3/2012	<	0.69	0.69
Methylisobutylketone	108-10-1	2/3/2012	<	4.10	4.10
o Xylene	95-47-6	2/3/2012	<	0.87	0.87
p-Ethyltoluene	622-96-8	2/3/2012	<	2.46	2.46
Propylene	115-07-1	2/3/2012	<	0.86	0.86
Styrene	100-42-5	2/3/2012	<	0.85	0.85
t-1,2-Dichloroethene	156-60-5	2/3/2012	<	0.79	0.79
t-1,3Dichloropropene	10061-02-6	2/3/2012	<	0.91	0.91
ter.ButylMethylEther	1634-04-4	2/3/2012	<	0.70	0.70
tert. Butyl Alcohol	75-65-0	2/3/2012	<	6.06	6.06
Tetrachloroethene	127-18-4	2/3/2012	<	1.36	1.36
Tetrahydrofuran	109-99-9	2/3/2012	<	1.47	1.47
Toluene	108-88-3	2/3/2012		31.25	0.75
Trichloroethene	79-01-6	2/3/2012	<	1.07	1.07
Trichlorofluoromethane	75-69-4	2/3/2012	<	1.12	1.12
Vinyl Acetate	108-05-4	2/3/2012	<	1.76	1.76
Vinyl Bromide	593-60-2	2/3/2012	<	0.88	0.88
Vinyl Chloride	75-01-4	2/3/2012	<	0.51	0.51

ECOTEST LABORATORIES, INC. ***ENVIRONMENTAL TESTING***

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120402.05 02/09/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12
TIME COL'D:*
MATRIX:Air SAMPLE: SV Outdoor Air, Ambient Air

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Propylene	ppbv	< 0.5		020312	0.5	EPATO-15
Dichlorodifluoromethane	ppbv	< 0.2		020312	0.2	EPATO-15
1,2-Dichlorotetrafluoroethan	ppbv	< 0.2		020312	0.2	EPATO-15
Chloromethane	ppbv	< 1		020312	1	EPATO-15
1,3 Butadiene	ppbv	< 1		020312	1	EPATO-15
Vinyl Chloride	ppbv	< 0.2		020312	0.2	EPATO-15
Bromomethane	ppbv	< 0.2		020312	0.2	EPATO-15
Chloroethane	ppbv	< 1		020312	1	EPATO-15
Vinyl Bromide	ppbv	< 0.2		020312	0.2	EPATO-15
Trichlorofluoromethane	ppbv	< 0.2		020312	0.2	EPATO-15
Ethyl alcohol	ppbv	< 2		020312	2	EPATO-15
Freon 113	ppbv	< 0.1		020312	0.1	EPATO-15
1,1 Dichloroethene	ppbv	< 0.1		020312	0.1	EPATO-15
Acetone	ppbv	< 1		020312	1	EPATO-15
Carbon disulfide	ppbv	< 0.5		020312	0.5	EPATO-15
Isopropyl Alcohol	ppbv	< 5		020312	5	EPATO-15
3-Chloropropene	ppbv	< 0.5		020312	0.5	EPATO-15
Methylene Chloride	ppbv	< 0.2		020312	0.2	EPATO-15
tert. Butyl Alcohol	ppbv	< 2		020312	2	EPATO-15
ter.ButylMethylEther	ppbv	< 0.2		020312	0.2	EPATO-15
t-1,2-Dichloroethene	ppbv	< 0.2		020312	0.2	EPATO-15
Acrylonitrile	ppbv	< 1		020312	1	EPATO-15
Hexane	ppbv	< 0.5		020312	0.5	EPATO-15
Vinyl Acetate	ppbv	< 0.5		020312	0.5	EPATO-15
1,1 Dichloroethane	ppbv	< 0.2		020312	0.2	EPATO-15

cc:

LRL=Laboratory Reporting Limit

REMARKS: * Collected from 10:24 to 12:50.
The LOQ for all analytes was confirmed with a daily LOQ std.

Thomas Powell
DIRECTOR

rn = 1924 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. ENVIRONMENTAL TESTING
377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770
Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120402.05 02/09/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12
TIME COL'D:*
MATRIX:Air SAMPLE: SV Outdoor Air, Ambient Air

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
c-1,2-Dichloroethene	ppbv	< 0.2		020312	0.2	EPATO-15
Methyl Ethyl Ketone	ppbv	< 1		020312	1	EPATO-15
Ethyl Acetate	ppbv	< 5		020312	5	EPATO-15
Tetrahydrofuran	ppbv	< 0.5		020312	0.5	EPATO-15
Chloroform	ppbv	< 0.2		020312	0.2	EPATO-15
Cyclohexane	ppbv	< 0.2		020312	0.2	EPATO-15
111 Trichloroethane	ppbv	< 0.2		020312	0.2	EPATO-15
Carbon Tetrachloride	ppbv	< 0.4		020312	0.4	EPATO-15
Benzene	ppbv	< 0.2		020312	0.2	EPATO-15
2,2,4-Trimethylpentane	ppbv	< 0.5		020312	0.5	EPATO-15
1,2 Dichloroethane	ppbv	< 0.5		020312	0.5	EPATO-15
Heptane	ppbv	< 0.5		020312	0.5	EPATO-15
Trichloroethene	ppbv	< 0.2		020312	0.2	EPATO-15
1,2 Dichloropropane	ppbv	< 0.5		020312	0.5	EPATO-15
1,4-Dioxane	ppbv	< 1		020312	1	EPATO-15
Bromodichloromethane	ppbv	< 0.2		020312	0.2	EPATO-15
c-1,3Dichloropropene	ppbv	< 0.5		020312	0.5	EPATO-15
Methylisobutylketone	ppbv	< 1		020312	1	EPATO-15
Toluene	ppbv	< 0.2		020312	0.2	EPATO-15
t-1,3Dichloropropene	ppbv	< 0.2		020312	0.2	EPATO-15
112 Trichloroethane	ppbv	< 0.2		020312	0.2	EPATO-15
Tetrachloroethene	ppbv	< 0.2		020312	0.2	EPATO-15
2-Hexanone	ppbv	< 0.5		020312	0.5	EPATO-15
Chlorodibromomethane	ppbv	< 0.2		020312	0.2	EPATO-15
1,2 Dibromoethane	ppbv	< 0.2		020312	0.2	EPATO-15

cc:

LRL=Laboratory Reporting Limit

REMARKS: * Collected from 10:24 to 12:50.
The LOQ for all analytes was confirmed with a daily LOQ std.

Thomas Powell
DIRECTOR

rn = 1925 NYSDOH ID # 10320

ECOTEST LABORATORIES, INC. *ENVIRONMENTAL TESTING*

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777• FAX (631) 422-5770

Email: ecotestlab@aol.com Website: www.ecotestlabs.com

LAB NO.120402.05 02/09/12

Energy & Environmental Analysts, Inc.
55 Hilton Avenue
Garden City, NY 11530
ATTN: Jeffrey B. Shelkey PO#:

SOURCE OF SAMPLE: Woodrow Road, Staten Island, EEA #10719
SOURCE OF SAMPLE:
COLLECTED BY: Client DATE COL'D:02/01/12 RECEIVED:02/02/12
TIME COL'D:*
MATRIX:Air SAMPLE: SV Outdoor Air, Ambient Air

ANALYTICAL PARAMETERS	UNITS	RESULT	FLAG	DATE TIME OF ANALYSIS	LRL	ANALYTICAL METHOD
Chlorobenzene	ppbv	< 0.2		020312	0.2	EPATO-15
Ethyl Benzene	ppbv	< 0.2		020312	0.2	EPATO-15
m + p Xylene	ppbv	< 0.5		020312	0.5	EPATO-15
o Xylene	ppbv	< 0.2		020312	0.2	EPATO-15
Styrene	ppbv	< 0.2		020312	0.2	EPATO-15
Bromoform	ppbv	< 0.2		020312	0.2	EPATO-15
1122Tetrachloroethane	ppbv	< 0.2		020312	0.2	EPATO-15
p-Ethyltoluene	ppbv	< 0.5		020312	0.5	EPATO-15
135-Trimethylbenzene	ppbv	< 0.5		020312	0.5	EPATO-15
124-Trimethylbenzene	ppbv	< 0.5		020312	0.5	EPATO-15
1,3 Dichlorobenzene (v)	ppbv	< 0.2		020312	0.2	EPATO-15
1,4 Dichlorobenzene (v)	ppbv	< 0.5		020312	0.5	EPATO-15
Benzyl Chloride	ppbv	< 0.2		020312	0.2	EPATO-15
1,2 Dichlorobenzene (v)	ppbv	< 0.5		020312	0.5	EPATO-15
Hexachlorobutadiene	ppbv	< 0.5		020312	0.5	EPATO-15
Helium	%	< 1		020712	1	

cc:

LRL=Laboratory Reporting Limit

REMARKS: * Collected from 10:24 to 12:50.
The LOQ for all analytes was confirmed with a daily LOQ std.

Thomas Powell
DIRECTOR

rn = 1926 NYSDOH ID # 10320

ECOTEST ID	120402.05				
SOURCE OF SAMPLE	Woodrow Road, Staten Island, EEA #10719				
SAMPLE ID	SV Outdoor Air, Ambient Air				
DATE SAMPLED	2/1/2012				
MATRIX	Air				
ANALYTICAL METHOD	EPA TO-15				

ANALYTE	CAS NO	DATE OF ANALYSIS		CONC UG/M3	LRL UG/M3
1,1 Dichloroethane	75-34-3	2/3/2012	<	0.81	0.81
1,1 Dichloroethene	75-35-4	2/3/2012	<	0.40	0.40
1,2 Dibromoethane	106-93-4	2/3/2012	<	1.54	1.54
1,2 Dichlorobenzene (v)	95-50-1	2/3/2012	<	3.01	3.01
1,2 Dichloroethane	107-06-2	2/3/2012	<	2.03	2.03
1,2 Dichloropropane	78-87-5	2/3/2012	<	2.31	2.31
1,2-Dichlorotetrafluoroethane	76-14-2	2/3/2012	<	1.40	1.40
1,3 Butadiene	106-99-0	2/3/2012	<	2.21	2.21
1,3 Dichlorobenzene (v)	541-73-1	2/3/2012	<	1.20	1.20
1,4 Dichlorobenzene (v)	106-46-7	2/3/2012	<	3.01	3.01
1,4-Dioxane	123-91-1	2/3/2012	<	3.60	3.60
111 Trichloroethane	71-55-6	2/3/2012	<	1.09	1.09
112 Trichloroethane	79-00-5	2/3/2012	<	1.09	1.09
1122Tetrachloroethane	79-34-5	2/3/2012	<	1.37	1.37
124-Trimethylbenzene	95-63-6	2/3/2012	<	2.46	2.46
135-Trimethylbenzene	108-67-8	2/3/2012	<	2.46	2.46
2,2,4-Trimethylpentane	540-84-1	2/3/2012	<	2.33	2.33
2-Hexanone	591-78-6	2/3/2012	<	2.05	2.05
3-Chloropropene	107-05-1	2/3/2012	<	1.57	1.57
Acetone	67-64-1	2/3/2012	<	2.38	2.38
Acrylonitrile	107-13-1	2/3/2012	<	2.17	2.17
Benzene	71-43-2	2/3/2012	<	0.64	0.64
Benzyl Chloride	100-44-7	2/3/2012	<	1.04	1.04
Bromodichloromethane	75-27-4	2/3/2012	<	1.33	1.33
Bromoform	75-25-2	2/3/2012	<	2.07	2.07
Bromomethane	74-83-9	2/3/2012	<	0.78	0.78
c-1,2-Dichloroethene	156-59-2	2/3/2012	<	0.79	0.79
c-1,3Dichloropropene	10061-01-5	2/3/2012	<	2.27	2.27
Carbon disulfide	75-15-0	2/3/2012	<	1.56	1.56
Carbon Tetrachloride	56-23-5	2/3/2012	<	2.52	2.52
Chlorobenzene	108-90-7	2/3/2012	<	0.92	0.92
Chlorodibromomethane	124-48-1	2/3/2012	<	1.69	1.69
Chloroethane	75-00-3	2/3/2012	<	2.64	2.64
Chloroform	67-66-3	2/3/2012	<	0.97	0.97
Chloromethane	74-87-3	2/3/2012	<	2.07	2.07
Cyclohexane	110-82-7	2/3/2012	<	0.69	0.69
Dichlorodifluoromethane	75-71-8	2/3/2012	<	0.99	0.99
Ethyl Acetate	141-78-6	2/3/2012	<	18.01	18.01
Ethyl alcohol	64-17-5	2/3/2012	<	3.77	3.77
Ethyl Benzene	100-41-4	2/3/2012	<	0.87	0.87
Freon 113	76-13-1	2/3/2012	<	0.77	0.77

ECOTEST ID	120402.05				
SOURCE OF SAMPLE	Woodrow Road, Staten Island, EEA #10719				
SAMPLE ID	SV Outdoor Air, Ambient Air				
DATE SAMPLED	2/1/2012				
MATRIX	Air				
ANALYTICAL METHOD	EPA TO-15				

ANALYTE	CAS NO	DATE OF ANALYSIS		CONC UG/M3	LRL UG/M3
Heptane	142-82-5	2/3/2012	<	2.05	2.05
Hexachlorobutadiene	87-68-3	2/3/2012	<	5.34	5.34
Hexane	110-54-3	2/3/2012	<	1.76	1.76
Isopropyl Alcohol	67-63-0	2/3/2012	<	12.28	12.28
m + p Xylene	XYL-MP	2/3/2012	<	2.17	2.17
Methyl Ethyl Ketone	78-93-3	2/3/2012	<	2.95	2.95
Methylene Chloride	75-09-2	2/3/2012	<	0.69	0.69
Methylisobutylketone	108-10-1	2/3/2012	<	4.10	4.10
o Xylene	95-47-6	2/3/2012	<	0.87	0.87
p-Ethyltoluene	622-96-8	2/3/2012	<	2.46	2.46
Propylene	115-07-1	2/3/2012	<	0.86	0.86
Styrene	100-42-5	2/3/2012	<	0.85	0.85
t-1,2-Dichloroethene	156-60-5	2/3/2012	<	0.79	0.79
t-1,3Dichloropropene	10061-02-6	2/3/2012	<	0.91	0.91
ter.ButylMethylEther	1634-04-4	2/3/2012	<	0.70	0.70
tert. Butyl Alcohol	75-65-0	2/3/2012	<	6.06	6.06
Tetrachloroethene	127-18-4	2/3/2012	<	1.36	1.36
Tetrahydrofuran	109-99-9	2/3/2012	<	1.47	1.47
Toluene	108-88-3	2/3/2012	<	0.75	0.75
Trichloroethene	79-01-6	2/3/2012	<	1.07	1.07
Trichlorofluoromethane	75-69-4	2/3/2012	<	1.12	1.12
Vinyl Acetate	108-05-4	2/3/2012	<	1.76	1.76
Vinyl Bromide	593-60-2	2/3/2012	<	0.88	0.88
Vinyl Chloride	75-01-4	2/3/2012	<	0.51	0.51