

FINAL REPORT

Prepared for  
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ASSOCIATES, INC

SUBMITTED UNDER THE  
NEW YORK CITY DEPT. OF PARKS AND RECREATION  
PROJECT Q 492 - 106 M  
"ELMHURST GAS TANK"  
for  
SITE LOCATED  
at  
57th AVENUE  
ELMHIRST, QUEENS, NY 11373

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**RECAPITULATION**

William A. Gross Construction Associates, Inc. (Gross Construction) has completed its work, involving residual contaminated soil excavation during the construction of a park at 57th Avenue, Elmhurst, Queens, NY 11373, in accordance with the NYC Department of Parks and Recreation (DPR) Contract and approved by DPR Procedural Plan. The work was performed for fulfillment of remedial action at Newtown Station/ Elmhurst Holders Tank Site (hereafter referred to as the "Site") under the New York State (NYS) Voluntary Cleanup Program (VCP) administered by New York State Department of Environmental Conservation (NYSDEC). The Site was remediated in accordance with the Voluntary Cleanup Agreement (VCA) Index# D2-0002-99-10, Site # V00406, which was issued in October 2000.

  
ROBERT A. LO PINTO, P.E.  
October 31, 2008





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## **EXECUTIVE SUMMARY**

The Site is located in the Borough of Queens, New York City, New York and is identified as Block 2805 Lot 31 and Block 2806 Lot 1 on the New York City Tax Map.

The Site was owned by KeySpan until 2001 when it was transferred to the City of New York and was planned to be developed for an active recreational facility as an open park land. KeySpan Energy Corporation entered into a Voluntary Cleanup Agreement (VCA) with the NYSDEC on October 24, 2000 to develop a 6-acre property known as the Newtown Station/ Elmhurst Holder Tank Site, located in Elmhurst, Queens County, New York. The property was used as a gas storage and transfer facility until 1993 when the holder tanks were decommissioned. This VCA required KeySpan to investigate and remediate contaminated media, which at this time was defined as soil and groundwater at the Newtown Holders Tank Site.

The site investigation, initiated in October 2000, revealed presence of lead-based paint chips, polycyclic aromatic hydrocarbons (PAH), PCBs, pesticides, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs) both at the surface and in subsurface soil, which could pose a risk to human health and the environment. This discovery served as the basis for the remedial activities, in order to mitigate threats to human health and the environment for the site's proposed use.

The Interim Remedial Action, initiated at the site in 2001, helped to reduce levels of soil contamination both qualitatively and quantitatively, due to excavation and removal of the contaminated soil and replacing it with clean fill. However, the 2006 sampling results indicated that there were still several locations of residual contamination, with elevated levels of SVOCs and lead, exceeding the NYSDEC cleanup goals of 0.0672 ppm and 400 mg/kg, respectively. The soil within the indicated areas that was disturbed by the construction activities for the new Park was excavated, tested and reused on-site at the same locations as backfill material under at least a two-foot thick layer of clean fill material, in accordance with the NYC DPR requirements.

## **SECTION 1**

### **INTRODUCTION**

#### **1.1 PURPOSE:**

This document has been prepared as a requirement for fulfillment of remedial action at Newtown Station/ Elmhurst Holders Tank Site (hereafter referred to as the "Site") under the New York State (NYS) Voluntary Cleanup Program (VCP) administered by New York State Department of Environmental Conservation (NYSDEC). The Site was remediated in accordance with the Voluntary Cleanup Agreement (VCA) Index# D2-0002-99-10, Site # V00406, which was issued in October 2000. The purpose of this Report is to confirm the completeness of the remedy in comparison to the requirements

of the Procedural Plan (PP), approved by the NYC DPR. The Procedural Plan was developed to describe residual soil contamination removal to be accomplished within the areas with elevated levels of residual contaminants affected by excavation/construction activities, in order to reduce the level of contaminants to an acceptable level to protect human health and safety.

## **1.2 SITE DESCRIPTION:**

The Site is situated on an approximately 6-acre area with 57<sup>th</sup> Avenue to the south, a CSXT right-of way to the west, Grand Avenue to the north and Verizon to the east. The property includes the following two parcels: Block 2805/Lot 31 is the larger parcel of the overall site and included the two gas holder tanks until 1993. Block 2806/ Lot 1 is the smaller parcel of land adjacent to Grand Avenue, on the northern portion of the property.

The surrounding area is primarily urban and land use is mostly residential with some industrial and commercial areas. Commercial development, consisting of neighborhood stores, stretches along the north side of Grand Avenue immediately to the north of the facility; and the “backyard” areas of attached single-family residential units are located immediately east of the site along the western portion of 80<sup>th</sup> Street. The Long Island Expressway is to the south, across 57<sup>th</sup> Avenue.

## **1.3 SITE HISTORY:**

The Site was owned by KeySpan and used as a natural gas storage facility for temporary storage of gas for peak-demand use in the two “water seal” type holder tanks on-site. Historically, the two gas holders have been referred to as the “Elmhurst Tanks”. The base of Gas Holder No. 1, constructed in approximately 1910, was about 35 feet below grade and had a diameter of 254 feet. The Gas Holder No. 2, constructed in approximately 1921, had a base at about 12 feet below grade and had a diameter of 276 feet. The two holder tanks, which collectively provided 20 million cubic feet of storage capacity until 1993 when they were decommissioned, were located in the northern and central portion of the Site and occupied approximately 3 acres. A compressor station was located at the southeast corner of the Site, and a one-story satellite station utilized for office space and parts storage exists in the southwest corner of the Site. Two prefabricated hazardous waste storage sheds were also located on-site along the western property boundary. Both sheds and a compressor station have been removed.

Two 15,000-gallon aboveground diesel storage tanks (ASTs) were previously located on the southwestern portion of the Site and utilized for fueling of fleet vehicles. The aboveground tanks and associated supporting structures, including the secondary containment system, were demolished and all related fuel was removed for disposal in 1974. An auto repair building, constructed in 1968, was utilized for tire replacements and oil changes on fleet vehicles. This structure was demolished in the mid 1990’s. One 2,000-gallon underground gasoline storage tank (UST) and a dispensing island located

on the east side of the former auto repair building were removed in November 1996. A 1,500-gallon underground storage tank, containing "fogging oil", located to the west of the compressor station and utilized to lubricate seals in gas lines on site, was retired in the 1980s, according to the KeySpan statement.

#### **1.4 PREVIOUS INVESTIGATIONS:**

KeySpan conducted numerous subsurface investigations throughout the Site. During these investigations, site reconnaissance indicated that lead-based paint debris (LBP) were present on site in surface and shallow subsurface soil. All 12 soil samples collected in 2001 from the test pits revealed total lead concentrations ranged from 85.2 to 196,000 mg/Kg. Concentrations of lead detected in the paint chip samples ranged from 41,900 to 50,900 mg/Kg. A lead concentration of 121 mg/L was detected in the paint chip sample selected for TCLP analysis.

All surface soil samples were analyzed for TCL VOCs. Analytical results of the subsurface soil samples indicated presence of VOCs, SVOCs, and inorganics in specific "hot-spots" on-site. SVOCs were detected in all 32 surface soil samples.

Presence of PAHs was found throughout the Site at varying levels with the highest concentrations in soil samples that contained lead at concentrations greater than 1,600 mg/kg.

Elevated levels of potentially carcinogenic polycyclic aromatic hydrocarbons (CPAH) were detected in surface soil both on- and off-site. The CPAH subset of SVOCs consists of eight compounds - carbazole, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene and dibenzo(a,h) anthracene.

Four surface and two sub-surface soil samples exhibited presence of PCBs and pesticides at concentrations below EPA industrial soil RBCs. Organoleptic appraisal of subsurface soils indicated that the majority of subsurface soils at the Site are free of organic constituents.

A total of 5 permanent groundwater monitoring wells were installed on-site during the field investigation program. The five-groundwater samples were analyzed for TCL VOCs and TCL SVOCs. Low levels of VOCs and non-detect levels of all SVOCs were exhibited in one sample. The remaining four samples were below NYSDEC Class GA Water Quality Standards. All samples exhibited low levels of inorganic constituents. Based on these results and several other factors, no groundwater monitoring was required under Site Management.

The Interim Remedial Action (IRA) was initiated in May 2001 by subdividing the entire site into 50' x 50' grids. The areas within the footprint of the gas tanks were excavated and backfilled with clean fill. Each grid outside the footprint of the holders was then

sampled for contaminants. Based on the results of the grid sampling, KeySpan proposed that the lead and SVOC-contaminated soil be excavated and disposed of at approved receiving facilities.

The contaminated soil excavation and off-site disposal activities began in September 2001. Each grid was excavated and screened with an X-Ray Fluorescence Analyzer (XRF), then sampled for lead and SVOC constituents. Site-specific cleanup standards were established for lead and carcinogenic SVOCs. Upon receiving acceptable laboratory results, each grid was backfilled with clean fill brought to the site. During IRA, approximately 8,900 tons (5,930 CY) of non-hazardous soil was excavated and disposed of at the Atlantic County Utilities Authority Landfill in New Jersey. Approximately 5,640 tons (3,760 CY) of hazardous lead-contaminated soil was shipped to Clean Earth in South Kearny, New Jersey. Approximately 1,440 tons (960 CY) of the VOC-contaminated sludge and soil were thermally treated at Mid Atlantic Recycling Tech, located in Vineland, New Jersey.

Additional on-site work, performed in July/August 2002, consisted of the construction of an overland drainage swale, area-specific soil removals, including an area located on the southwest portion of the Site, and Verizon test pit exploratory operations. Approximately 2,128 tons of non-hazardous soils were excavated and disposed off-site at Clean Earth of North Jersey and Clean Earth in Pennsylvania. Approximately 584 tons of hazardous lead-contaminated soil was shipped to Clean Earth of North Jersey.

The total volume of soil excavated and disposed of off-site during all IRA activities on both the KeySpan and CSX properties was approximately 18,692 tons. Of this, approximately 11,028 tons was non-hazardous soil and approximately 7,664 tons was hazardous soil.

Engineering and institutional controls have been installed at the Site. The engineering control consisted of a soil cover system, which required at least two feet of clean imported soils and/or concrete building slabs. A series of institutional controls, in the form of site restrictions, were required to implement, maintain and monitor this engineering control. Adherence to these institutional controls is required under deed restrictions. Site restrictions that apply to the Controlled Property include a restricted-residential use only, such as recreational parkland, as long as the following institutional controls are employed. Vegetable gardens and farming on the Controlled Property, use of the groundwater underlying the Controlled Property without treatment rendering it safe for intended purpose, and all future activities on the Controlled Property that will disturb residual contaminated material protected under this deed restriction are prohibited unless they are conducted in accordance with the soil and piping management provisions, specified in the Site Management Plan.

### **1.5 SUMMARY OF ENVIRONMENTAL CONDITIONS:**

All previously conducted remedial activities at the former Elmhurst Gas Tank area, including on-site and off-site excavation and disposal of lead and SVOC-impacted soil

have removed the majority of the contaminants of concern. However, the 2006 sampling results indicated 19 locations remaining with residual contamination containing elevated levels of SVOCs and lead, exceeding the NYSDEC cleanup goals of 0.0672 ppm and 400 mg/kg, respectively.

At three of the lead-contaminated locations in the southeastern portion of the Site adjacent to the Verizon property, samples indicated lead concentrations ranging from 499 ppm to 755 ppm at the depth between 7 feet and 10 feet below ground surface (bgs). The depth of these excavations and proximity to the Verizon property prohibited additional excavation in this area and the exposure assessment indicated that there was no exposure pathway for the contaminants.

Five other on-site lead-contaminated locations were detected along the property line in the southwestern corner of the Site and within the KeySpan property area covered with asphalt pavement. Concentrations ranging from 403 ppm to 460 ppm were located at about one to two feet bgs.

Off-site sampling on the CSX property determined three sample locations that exceeded the lead cleanup goal of 400 mg/kg. These three areas are located at the western sidewall within the 25-foot excavation limit specified in the Access Agreement between KeySpan and CSX Transportation. Therefore, removal of these soils was prohibited. Excavation of soils within 25 feet of the railroad tracks would require the design and installation of various slope protection measures to ensure track integrity during removal.

Eight SVOC-contaminated sample locations that exceed the criteria have been specified within the KeySpan property. These locations of residual contamination were indicated in three discrete areas on-site: the area of the former AST foundation to the north of the existing service building, the area between two former gas holders, and the area at the west side of the existing service building. The samples in the area of the AST foundation were taken between one to four feet bgs, and the area has been paved over. The sample taken at the location between two former gas tanks indicated residual contamination at a depth of fifteen feet bgs. Other two samples were collected adjacent to the KeySpan building at two feet bgs. The contaminated soils associated with these samples could not be removed without undermining the building foundation.

## **SECTION 2**

### **PROPER SITE WORK**

#### **2.1 OBJECTIVE:**

The objective of this project was to remove and dispose of soil from the on-site areas of residual contamination that have been disturbed during the construction activities at the former Elmhurst Gas Tank site, in order to develop the property for an active recreational facility as an open parkland, which would comply with institutional controls and deed restrictions for the property. Analyses results of the soil remaining in the specified contaminated areas should not exceed site-specific cleanup objectives provided in Remedial Action Objectives (RAOs) for lead and SVOCs. Additional excavation was considered, as necessary, in order to protect human health and the environment; unless the Engineer of the NYC Department of Parks and Recreation approves continuation of the construction activities and/or the site development features preclude the need for additional removals.

#### **2.2 GENERAL WORK CONCEPT:**

The goal of the project was to develop the Site as an active recreational facility and an open park land; as well as to determine the need for removal or on-site reuse of soil in the hot spots directly disturbed by the construction activities, which showed elevated levels of lead and SVOCs contamination for restricted commercial/industrial use. This was accomplished by a variety of remedial methodologies including: hot spot excavations; continuous monitoring air and the excavated soil; and testing and evaluation of the impacted soil. All remedial activities completed at the Site were conducted in accordance with the NYSDEC and NYC DPR-approved Procedural Plan (revised on October 19, 2007). A summary of the remedial strategies and EC/ICs implemented at the Site is introduced below:

- Excavation of soils exceeding Site Cleanup Objectives (SCO) in conditions of continuous real-time monitoring of ambient air and excavated soil by on-site Environmental Monitor;
- During the construction activities, placement of plastic cover on and under excavated and stockpiled soil from the specified areas of residual contamination to prevent potential exposure of human and environment to any residual contamination from the excavated soil;
- Maintenance of an engineered cover to prevent human exposure to soils remaining under the Site; and

- Compliance with deed restrictions, including institutional controls, to prevent future exposure to any contamination remaining at the Site (a copy of the deed restrictions is attached).

After the Interim Remedial Action, all soil exhibiting signs of residual contamination was covered by at least two feet of clean fill and a layer of vegetation or pavement. The matter of concern was the release of contaminants from the soil during construction and excavation activities that would disturb the potentially contaminated soil and provide the major mechanism for air transport of the contaminants and in-place exposure because of it. During excavation, the general work concept was minimization and mitigation of the potential for migration of the soil vapors and dust, resulting in inhalation by workers in and around the site, as well as testing and evaluation of the potentially contaminated soil, in order to determine if it can be reused as backfill at the place of its origin or disposed of at the approved disposal facility.

Since entry into the work zone during excavation and monitoring was restricted, there was no potential for exposure to the contaminants through absorption or ingestion. Therefore, only inhalation was considered to be a potential exposure pathway. Construction workers were considered the potential receptors. Continuous monitoring of the levels of particulate matter and SVOCs showed low to non-detect levels of the contaminants in the air.

### **2.3 REPORTING:**

Forms, computer-generated monitoring results, as well as a summary of monitoring activities and other work performed during regular monitoring events and inspections was kept on file on-site and with the party(ies) implementing the NYC DPR Site Management Plan (SMP). All forms, and other relevant information generated during the monitoring/inspection events, are included in Appendix C.

All monitoring results are included in this report and present at a minimum:

- Date of event;
- Personnel conducting sampling;
- A short description of the activities performed;
- Type of samples collected (e.g., soil sample, indoor air, outdoor air, etc.);
- Copies of all field forms completed (e.g., well sampling logs, chain-of-custody documentation, etc.);
- Sampling results in comparison to appropriate standards/criteria;

- A figure illustrating sample type and sampling locations;
- Copies of all laboratory data sheets and the required laboratory data deliverables required for all points sampled;
- A copy of the laboratory certification; and
- Any observations, conclusions, or recommendations.

### **SECTION 3**

#### **SUMMARY OF FIELD ACTIVITIES**

##### **3.1 EXCAVATION ACTIVITIES**

Excavation activities were performed according with the NYSDEC and NYC DPR - approved October 19, 2007 Procedural Plan. All soil disturbed during excavation within and/or adjacent to any of 19 specified locations, where prior sample results exceed current NYSDEC cleanup goals, was excavated, stockpiled, tested, and reused at the same location as backfill material upon NYC DPR approval in conformance with the DPR July 2007 Site Management Plan (SMP). Before the Contractor started excavation of any contaminated soils, the warning signs in one-inch letters were posted next to the work site, at least 24 hours before excavation activities began, to read:

WARNING:  
CONTAMINATED SOIL REMOVAL HAZARD  
DO NOT ENTER  
UNLESS AUTHORIZED

There were five (5) work zones within areas of potential residual contamination to be excavated (see dwg. 07-32-1). Invasive activities started along the site perimeter, at work zones # 1 and 3, proceeding to work zone # 2 and later to work zones # 4 and 5 in the middle of the Site, as was scheduled by the project manager. Excavations were performed concurrently continuing at the next designated excavation work zone in an uninterrupted manner. Each excavation was measured upon completion to determine the actual volume of the removed soil (see dwg. 07-32-1). Entry into the work zones was restricted; however, no Exclusion, Contamination Reduction, and Support Zones were established around each excavation work zone because continuous monitoring of air and soil indicated no elevated levels of contamination.

Since during the Interim Remedial Action, initiated at the Site in 2001, substantial amounts of contaminated soil were excavated, removed, and replaced with clean fill; excavation activities within residual contamination areas retrieved mostly clean fill. In particular, invasive activities in work zones # 1 and 5 involved soil excavation only above elevations containing residual contamination, based on the 2006 sampling results (see dwg. 07-32-1). Therefore, in those areas, only clean fill placed there during the prior remedial action was retrieved during the construction of the perimeter wall and installation of the utilities. In work zones # 2, 3 and 4, excavation activities were performed at deeper elevations than those where sample results indicated presence of the residual contaminants. Continuous monitoring of air and soil was conducted at all active work zones and soil samples were taken in work zones # 2 and 3 to be analyzed at the NYSDOH approved environmental laboratory. Sampling procedure is discussed in details in Section 4.

During excavation, soil was continuously inspected for chemical or petroleum odors or staining and field screened with a photoionization detector (PID). The results were used

to determine how the soil was to be handled. The PID readings were obtained both from soil contained within the excavator bucket and directly off the excavation sidewalls or bottom. The excavated material not showing any traces of contamination was temporarily staged adjacent to the construction areas in prepared stockpiles each consisting of approximately 250 cubic yards. If the material removed during invasive work from specified areas of residual contamination exhibited PID readings higher than zero, it was stockpiled on plastic poly sheeting and covered with plastic until waste characterization analysis was completed and further handling of such material was approved by the NYC DPR. The highest soil PID reading of 2.5 ppm was taken within Work Zone #3, in the southwestern corner of the Site. Excavated soil was stored on a double layer of a 8-mil low-permeability liner, covered with plastic, at the Contaminated Soil Stockpile Area, surrounded by 6-foot high fence with plywood and 2 layers of 6 mil polyurethane sheeting (see dwg. 07-32-1) until lab results of soil samples were obtained and interpreted to determine further handling of the stored material.

Upon receipt of data indicating that no additional excavation is required, each excavation was backfilled either with soil derived from the same location or tested soil from another on-site location that was deemed Category 1 fill, based on the SMP. Prior to back-filling of the excavated areas with approved backfill material, a soil barrier was installed at the bottom of the excavation to provide indication of possible contamination for future invasive activities. All excavated areas at the Site were restored in compliance with cover requirements. At least 2 feet of clean fill were placed in the excavated areas, and the surface was re-graded based on the proposed grade conditions.

Community Air monitoring consistent with the NYSDOH Generic Community Air Monitoring Protocol (CAMP) was implemented at all times of excavation activities within the areas of residual contamination. Real-time monitoring for particulates was performed at the Site perimeter and active work zones by using two portable particulate meters "DataRam 4", capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes or less for comparison to the airborne particulate action level. Both devices were equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration was visually assessed during all excavation activities within specified work zones by a certified visible emissions observer. The equipment was installed within 20-foot distance upwind and downwind of each excavation area during invasive activities.

At the end of each work day, all readings were downloaded onto the computer and analyzed. The downwind PM-10 at the Site perimeter locations were never  $100 \mu\text{g}/\text{m}^3$  or greater than background for the 15-minute period. Neither was airborne dust migration observed at the Site perimeter from excavation activities. The downwind PM-10 particulate level never exceeded  $150 \mu\text{g}/\text{m}^3$  above the upwind level. All readings were recorded and be available for state personnel review (see Appendix C).

The work was performed in accordance with a written Health & Safety Plan for on-site workers. No excavations were performed below the bottom of any footings.

Approximately 530 cubic yards of soil were excavated from 5 work zones and reused at the Site after the lab results were obtained and the NYC DPR approval for reusing it as backfill.

### **3.2 RESIDUAL CONTAMINATION REMOVAL**

The stockpiles of the potentially contaminated excavated material from the residual contamination areas remained undisturbed for as long as necessary for the Contractor to complete the required laboratory testing. Separate soil staging area was designated for soil suspected to be contaminated and pending waste characterization testing, until the test results were obtained from the NYSDOH approved lab. No grossly impacted soil was uncovered during site excavation; therefore there was no need for an additional stockpile area to be constructed.

No new hot spots were encountered during the invasive work.

### **3.3 SPECIFIC WORK TASKS PERFORMED**

#### **Air Monitoring:**

Continuous air monitoring was conducted during all invasive activities within specified areas of residual contamination. Two portable particulate meters "DataRam 4", capable of measuring particulate matter less than 10 micrometers in size (PM-10), equipped with an audible alarm to indicate exceedance of the action level were installed within 20-foot distance upwind and downwind of each excavation area during invasive activities. Equipment was factory-calibrated by the provider and programmed on-site for specifically required parameters, such as the diameter of a particle (1  $\mu\text{m}$ ), the period of time (15 minutes) for comparison to the airborne particulate action level, the level of exceedance that would set off the audible alarm (at 100  $\mu\text{g}/\text{m}^3$ ), and etc. The provided equipment software was installed onto the computer in order to transfer readings from the equipment to be available for review. Both devices were zero-initialized before each test run at a new location of the invasive activities. Readings, taken by the equipment never exceeded the limit of 150  $\mu\text{g}/\text{m}^3$ , set by the NYSDOH Generic Community Air Monitoring Protocol (CAMP) not even for less than 15 minutes. The maximum 15-minute period reading, registered by DataRam 4 located downwind of the excavation area, was of 55.9  $\mu\text{g}/\text{m}^3$ . The maximum difference in readings between the upwind and downwind particulate meters was of approximately 30  $\mu\text{g}/\text{m}^3$  (see Appendix C). In addition, fugitive dust migration was visually assessed during all excavation activities within specified work zones by a certified visible emissions observer.

In order to address potential exposure to organic vapors within specified locations of residual SVOC contamination, the ambient air within excavation was continuously monitored with the PID meter. The PID meter was factory-calibrated by the provider and programmed on-site for specifically required parameters, such as organic compound of

concern, low and high levels of exceedance that would set off the audible alarm (at 50 ppm and 100 ppm, respectively), and etc. The provided equipment software was installed onto the computer in order to transfer readings from the equipment to be available for review. Most of the time during the invasive activities the readings indicated 0.0 ppm.

**Soil Monitoring:**

Continuous soil monitoring was conducted by the Environmental Monitor utilizing the PID meter. The PID readings were obtained both from soil contained within the excavator bucket and directly off the excavation sidewalls or bottom. The highest soil PID reading of 2.5 ppm was taken within Work Zone #2, in the northeastern corner of the Site (see Appendix C). In addition, soil was continuously inspected for chemical or petroleum odors or staining. Upon completion of excavation within areas of residual contamination where invasive activities were performed below the layer of clean fill placed there during the Interim Remedial Action and PID readings were greater than 1.0 ppm, verification composite samples were collected from the bottom and 4 sidewalls of the excavation and sent to a NYSDOH approved lab for analysis (see Section 4 for details).

## **SECTION 4**

### **ANALYTICAL RESULTS**

#### **4.1 SAMPLING**

Upon completion of each excavation within areas of residual contamination, verification composite samples were collected from the bottom and 4 sidewalls of the excavation and sent to a NYSDOH approved lab for analysis. All laboratory tests were conducted only upon issuance of work orders from the NYSDPR Engineer.

For sample analyses, the Contractor used the Long Island Analytical Laboratories, Inc. located at 110 Colin Drive, Holbrook, NY 11741, approved by the New York State Department of Health (NYSDOH) under the Environmental Laboratory Approval Program. The analytical methods were in compliance with NYSDEC and NYSDOH rules and regulations governing hazardous materials. All samples were analyzed for total lead (EPA Method 6020) and total SVOCs (EPA Method 8270) at the LIA lab capable of meeting the project logistical constrains. The lab results of the samples collected within active work zones # 2 and 3, as well as of the soil samples collected from the soil excavated from WZ-3 and stockpiled at the Contaminated Soil Stockpile Area are presented in Appendix "B". Draft analytical data were available within 72 hours of laboratory receipt, allowing for prompt execution of construction.

All composite samples were properly homogenized in preparation for analysis prior to transfer to laboratory glassware. Laboratory duplicate samples were collected at a rate of 1 per 20. All appropriate field and laboratory Quality Assurance (QA) procedures for sampling and custody were maintained. Samples were collected using special sampling tools into clean, laboratory-supplied glassware. To prevent any cross- contamination of samples, all sampling equipment was cleaned and decontaminated after each sampling. Sampling personnel were wearing the appropriate PPE as per the HASP.

Excavation remained open until analytical results, compared against site-specific cleanup objectives provided in Appendix "A", had been received. In case of exceedances, additional iterations of excavation and sampling would be conducted, until the cleanup goals were achieved and/or the site development features precluded the need for additional removals.

Based on the lab results and the approved July 2007 SMP, all soil excavated during invasive activities within areas of specified residual contamination was deemed Category 1 fill, since it did not exhibit gross contamination (i.e. obvious by visual, olfactory or PID examination) and was reused at the Site as backfill material.

In addition, testing procedures also conformed to the latest ASTM standards, NYC Building codes, and Federal Register Parts II and V wherever possible.

## **4.2 LABORATORY RESULTS AND RECOMMENDATIONS**

The results of the soil samples taken at end points of the excavations within WZ-3 work zone and adjacent to WZ-2 were well below the NYC DPR contract's Site Specific Goals of non-cancer hazard level; therefore, no additional excavation was recommended. Since the excavated soil did not exhibit gross contamination and these disturbed areas are located away from the walkpath and would be covered with at least two feet of clean topsoil, it was recommended to reuse the soil as backfill material at the same locations. The soil barrier was placed at the bottom of the excavations to indicate possible contamination for future invasive activities. It was also recommended to place plastic sheeting at the bottom of the excavation adjacent to WZ-2, overlapping wall surfaces to prevent access of any possible residual contaminants from WZ-2 area into the Catch Basin #3.

Sample results of the excavated soil, stockpiled at the Contaminated Soil Stockpile Area, were well below the NYC DPR contract's Site Specific Goals of non-cancer hazard level. Since the excavated soil was not grossly contaminated, it was reused at the Site. Therefore, no testing required by the Transporter or Disposal facility was performed.

## **SECTION 5**

### **WASTE PROFILE, TRANSPORTATION AND DISPOSAL**

All excavated areas at the Site were restored in compliance with cover requirements. At least 2 feet of clean fill were placed in the excavated areas, and the surface was re-graded based on the proposed grade conditions. During invasive activities, all soil, excavated from the areas of residual contamination, was inspected continuously, monitored and field screened, tested as necessary, and reused at the same location or at a similar on-site location upon approval of the NYC DPR Engineer and in accordance with the July 2007 SMP. Predominant amount of excavated material consisted of clean fill placed at the specified locations during the Interim Remedial Action, undertaken in 2001.

According to the SMP, all materials excavated from the Site could be placed back into the same excavation without chemical testing if they do not exhibit gross contamination (i.e. obvious by visual, olfactory or PID examination). In order to reuse the excavated soil in other on-site location, material derived from the active work zones WZ-2 and WZ-3 was stockpiled and sampled prior to reuse. Based on the sample results, this material met the reuse criteria set for this Site (i.e. it was under 400 ppm for lead and was not grossly contaminated by petroleum). All excavated soil was deemed Category 1 fill suitable for reuse at the Site locations.

No material in excess of the reuse criteria was removed from the Site. No gross contamination was identified that is materially different from the typical soil/fill found previously on the Site. No mechanical processing of the historic fill was performed. Therefore, no material was considered contaminated Category 2 material to be transported and disposed of in accordance with all federal, State and local regulations at approved facilities.

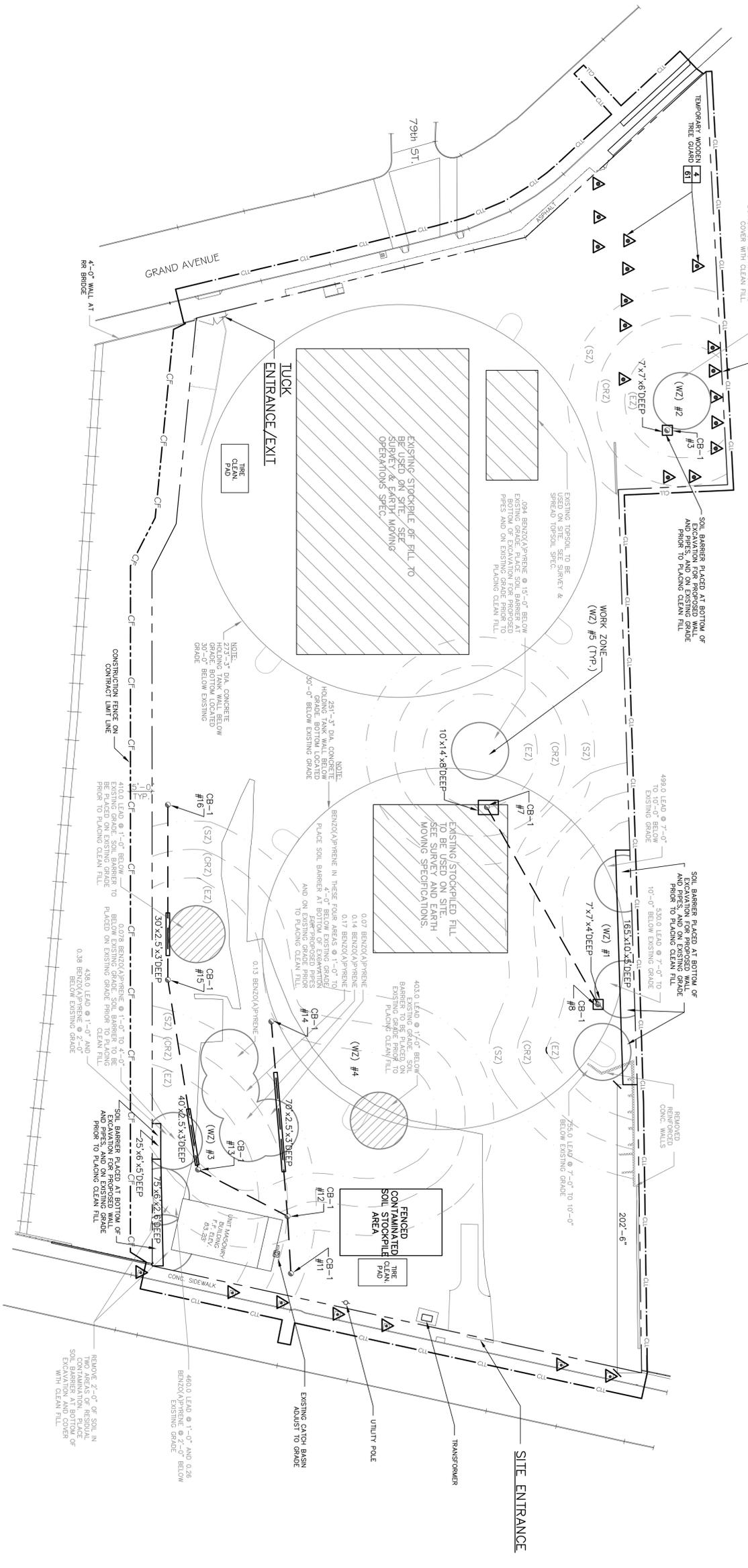
## **SECTION 6**

### **FINAL SITE CONDITIONS**

All on-site invasive activities, including soil excavation and grading at the areas of residual contamination, were conducted as part of construction of a recreational park at 57th Avenue, Elmhurst, Queens, NY 11373. It was performed in accordance with the NYC Department of Parks and Recreation (DPR) Contract and approved by DPR October 2007 Procedural Plan. It was also covered under the Site Management Plan (SMP), prepared for the Site in July 2007 and August 2007 Health and Safety Plan (HASP). In order to minimize exposure to Site workers as it relates to managing any potentially impacted soil encountered during development, maintenance or redevelopment at the Site, all intrusive construction work was conducted in accordance with the procedures and considerations presented in the Procedural Plan and HASP.

The majority of the Site remained underlain by a layer of urban fill material and graded with clean fill approved by the Department that was stockpiled at the Site. Isolated "hot spot" areas with residual SVOCs and lead contamination that were left in place after the 2001 Interim Remedial Action were covered with at least two feet of clean fill. Unless the construction project called for invasive activities, in order to install footings or utilities, such "hot spots" were not disturbed, including areas under the building slab, under a parking lot beyond the eastern property line and by the railroad tracks beyond the western property line. Exposure to these residual contaminated soils was restricted by the existing cover system. No undisturbed portion of the Site provided direct exposure to subsurface soils.

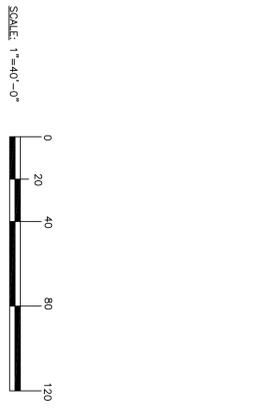
The activities, associated with ground-invasive work at the Site through the existing site-wide cover system into underlying potentially impacted soil, principally consisted of trenching and localized excavation (see dwg. 07-32-1). The soil barrier was placed at the bottom of the excavations to indicate possible contamination for future invasive activities. All excavated areas at the Site were restored in compliance with cover requirements. The cover system comprised of at least two feet of clean fill and a layer of vegetation or pavement. At least two feet of clean fill were placed in the excavated areas, and the surface was re-graded based on the proposed grade conditions (see Appendix "D").



**LEGEND**

SYMBOL	ITEM	EST. QUANT.
---	PROPERTY LINE	-
---	CONTRACT LIMIT LINE	-
---	CONSTRUCTION FENCE	680 LF
▲	TEMPORARY WOODEN TREE GUARD	22 units
○	AREA OF RESIDUAL CONTAMINATED SOIL - LOCATIONS WHERE SOIL TESTS EXCEEDED THE CLEANUP GOAL OF 400 PPM OF LEAD (FROM 403 PPM TO 755 PPM) AND SVOC LOCATIONS THAT EXCEED THE CLEANUP GOAL OF 0.672 BENZO(A)PYRENE. COVER AREA WITH SOIL BARRIER PRIOR TO PLACING CLEAN FILL.	-
○	AREA OF RESIDUAL CONTAMINATED SOIL (SEE ABOVE) WHERE EXCAVATION IS REQUIRED PRIOR TO PLACEMENT OF SOIL EXCAVATION CLEAN FILL. TEST PRIOR TO AND DURING EXCAVATION.	-
○	SUPPORT ZONE (SZ)	-
○	CONTAMINATION REDUCTION ZONE (CRZ)	-
○	EXCLUSION ZONE (EZ)	-
○	CATCH BASIN	-
○	DRAINAGE LINE	-

WORK ZONE	CONSTR. ACTIVITY	SOIL EXCAVATED CUBIC FEET	MAX. PM-10		MAX. PM-10 RELATIONS PPM
			UPWIND #/SQM	DOWNWIND #/SQM	
WZ-1	09-1 #8 WALL FOOTING 165x10'x5'(D) 7x7'x6'(D)	8,250	38.9	39.1	0.1
WZ-2	09-1 #3 WALL FOOTING 7x7'x6'(D)	196	31.9	2.5	
WZ-3	09-1 #15 WALL FOOTING 25x6'x2'6'(D) 75x5'x5'x5'(D) TRENCH B/W/W 09-1 #13 & 09-1 #15 40x2'x3'3'(D)	1,170	31.9	55.9	1.1
WZ-4	09-1 #2 & #14 & CB #15 & #16 100x2'x3'3'(D)	750	35.2	1.1	
WZ-5	09-1 #7 10x1'x4'8'(D)	1,120	7.7	0.0	
<b>TOTAL:</b>		<b>12,890</b>			



**SHAPIRO ENGINEERING, P.C.**

ELMHURST GAS TANK PARK SITE  
57 AVENUE  
ELMHURST, QUEENS, N.Y. 11373

AS BUILT PROJECT  
SITE PLAN

CONSULTING ENGINEERS  
181 South Franklin Avenue, Suite 305, Valley Stream, N.Y. 11581-1101  
(516) 791-2300 FAX: (516) 791-0782 e-mail: shapiroengineers@worldnet.att.net

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**SECTION 7****DEVIATION FROM PROCEDURAL PLAN**

All intrusive work was conducted in accordance with the procedures and considerations presented in the NYC Department of Parks and Recreation approved October 2007 Procedural Plan and August 2007 HASP. There was no deviation from the approved Procedural Plan.

## **SECTION 8**

### **RECOMMENDATIONS AND CONCLUSIONS**

The sample analysis, performed by the Long Island Analytical Laboratories, Inc., an Environmental Lab approved by the New York State Department of Health (NYSDOH) under the Environmental Laboratory Approval Program, indicated no exceedance of the NYC DPR contract's Site Specific Goals of non-cancer hazard level. All samples were analyzed for total lead (EPA Method 6020) and total SVOCs (EPA Method 8270). The analytical methods were in compliance with NYSDEC and NYSDOH rules and regulations governing hazardous materials. Therefore, no additional excavation was recommended. No material was considered contaminated Category 2 material to be transported and disposed of.

Since the excavated soil did not exhibit gross contamination, it was recommended for reuse as backfill material at the same locations. The soil barrier was placed at the bottom of the excavations to indicate possible contamination for future invasive activities. It was also recommended to place plastic sheeting at the bottom of the excavation adjacent to WZ-2, overlapping wall surfaces to prevent access of any possible residual contaminants from WZ-2 area into the Catch Basin #3. The disturbed areas of residual contamination are located away from the walkpath; the cover system comprised of at least two feet of clean topsoil and a layer of vegetation or pavement was installed as part of engineering controls (ECs). These engineering control components were implemented to minimize the potential human health exposure to contaminated media existing under the Site and to address potential exposure of Site occupants and the public, to sub-surface soil and piping.

The cover system is a permanent control and the quality and integrity of this system will be inspected and maintained at defined, regular intervals in perpetuity. Only soil meeting the Part 375 regulatory standards, which was previously imported to the Site and stockpiled on-site, was for use as backfill, the cover system component, and/or grading material.

Since not all contaminated material was removed from the Site, institutional controls (ICs) are required to prevent future exposure to contamination and ensure the viability, reliability, and effectiveness of the ECs by controlling disturbances of the subsurface soil and restricting the use of the Site to restricted residential uses only. A copy of the deed restriction that applies to the controls implemented at the Site and the allowed use of the Site is provided in Appendix "B" of the July 2007 SMP and in Appendix "E" of this document. Institutional controls imposed at the Site will be implemented through the deed restriction document and the Soil Management Plan prepared for the Site.

The EC/ICs documented in the deed restrictions are as follows:

- All engineering controls must be operated and maintained as specified in the SMP;
- All engineering controls on the Controlled Property must be inspected and certified at a frequency and in a manner defined in the SMP;
- Data and information pertinent to Site management for the Controlled Property must be reported at the frequency and in a manner defined in the SMP;
- On-site environmental monitoring devices if any, must be protected and replaced as necessary to ensure continued functioning in the manner specified in the SMP;
- The Controlled Property may be used for restricted-residential (which includes active recreational parkland) use only; and
- The Controlled Property may be used for restricted residential use as long as the following institutional controls included in the SMP are employed:
  - Vegetable gardens and farming on the Controlled Property are prohibited;
  - The use of the groundwater underlying the Controlled Property is prohibited without treatment rendering it safe for intended purpose.

As noted in the deed restriction, the above-stated EC/ICs may not be discontinued without an amendment or extinguishment by NYSDEC.

**SECTION 9**

**CERTIFICATION**

I certify that the Procedural Plan was implemented and that all construction activities were completed substantially in accordance with the Department-approved Procedural Plan and were personally witnessed by me and / or by a person under my direct supervision.

  
ROBERT A. LO PINTO, P. E., NSRE  
NEW YORK #53312  
OCTOBER 31, 2008



**APPENDIX "A"**

**SITE-SPECIFIC CLEANUP OBJECTIVES**

RAOs  
 Site Specific Cleanup Goals  
 KeySpan- Newtown Station  
 Queens, NY

Sample Identification	Goal for Carcinogen	Goal for Noncarcinogen
Date Sampled	Cancer Risk Level (mg/kg)	Noncancer Hazard Level (mg/kg)
Parameter		
<b>SVOC 8270</b>		
Acenaphthylene	NC	355
Anthracene	NC	10400
Benzo(a)anthracene	0.672	139
Benzo(a)pyrene	0.0672	139
Benzo(b)fluoranthene	0.672	139
Benzo(g,h,i)perylene	NC	139
Benzo(k)fluoranthene	6.72	139
Bis(2-ethylhexyl)phthalate	55.8	139
Chrysene	87.2	139
Di-n-butyl phthalate	NC	546
Dibenzo(a,h)anthracene	0.0742	139
Fluoranthene	NC	1880
Fluorene	NC	1880
Irideno(1,2,3-cd)pyrene	0.672	139
Naphthalene	NC	123
Phenanthrene	NC	139
Pyrene	NC	1260
<b>Inorganics</b>		
Lead	VCA Goal: 400	

NC- Carcinogenic toxicity values (i.e. slope factors) not available or not applicable

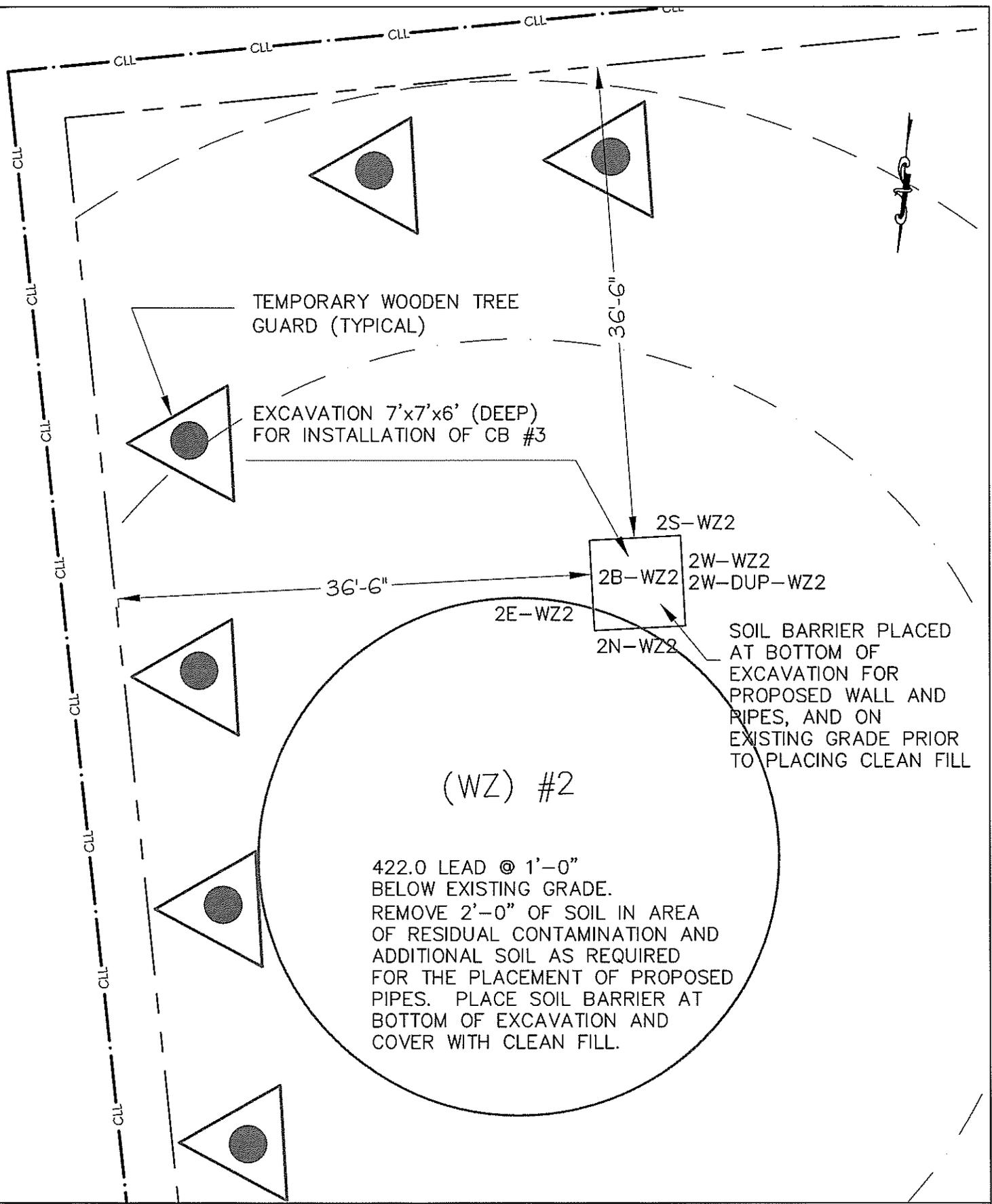
27A

**APPENDIX "B"**

**SAMPLE LOCATIONS AND SOIL TEST RESULTS**

L. Suchkova, SHAPIRO ENGINEERING, P.C. 10/29/2008 2:34 PM 07-32 SAMPLING LOCATIONS (10-29-08).dwg

8.5 x 11



Date:	10/29/08
Scale:	AS NOTED
Drawn by:	ggy
Job:	07-32
DWG #:	07-32 SAMPLING
Sheet:	1
of 1	Sheets

## SHAPIRO ENGINEERING, P.C.

ELMHURST GAS TANK PARK SITE  
57 AVENUE  
ELMHURST, QUEENS, N.Y. 11373

SAMPLING LOCATION  
AT WZ-2 B-2

**CONSULTING ENGINEERS**  
181 South Franklin Avenue, Suite 305, Valley Stream, N.Y. 11581-1101  
(516) 791-2300 FAX: (516) 791-0782 e-mail: shapiroengineers@worldnet.att.net

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JAN-18-2008 15:00

ANALYTICAL LABS, INC

631 472 8505 P.01



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ANALYTICAL  
LABORATORIES INC.**

"TODAY'S ANALYTICAL SOLUTIONS TOMORROW"

NYSDOH ELAP# 11893  
USEPA# NY01273  
CTDDH# PH-0284  
AIHA# 164466  
NJDEP# NY012  
PADEP# 88-2948

## LONG ISLAND ANALYTICAL LABORATORIES, INC. DATA REPORTING FLAGS

For reporting results, the following "Flags" are used:

- A: Time not supplied by client, may have exceeded holding time
- B: Holding time exceeded, results cannot be used for regulatory purposes
- C: Minimum detection limit raised due to matrix interference
- D: Minimum detection limit raised due to target compound interference
- E: Minimum detection limit raised due to non-target compound interference
- F: Minimum detection limit raised due to insufficient sample volume
- G: Sample received in incorrect container
- H: Sample not preserved, corrected upon receipt
- I: Dilution Water does not meet QC Criteria
- J: Estimated concentration, exceeds calibration range
- K: Target compound found in blank
- L: Subcontractor ELAP #11398
- M: Subcontractor ELAP #10320
- N: Subcontractor NVLAP #102047.0
- O: Subcontractor AIHA #103005
- P: Subcontractor A2LA 2004-01
- Q: Subcontractor ELAP #11026
- R: Subcontractor ELAP #10155
- S: Subcontractor ELAP #11501
- T: Subcontractor CTC
- U: Subcontractor ELAP #11685
- V: QC affected by matrix
- W: Subcontractor ELAP #10248
- X: QC does not meet acceptance criteria
- Y: Sample container received with head space
- Z: Insufficient sample volume received
- AA: Preliminary results, cannot be used for regulatory purposes.
- BB: Spike recovery does not meet QC criteria due to high target concentration
- CC: Data reported below the lower limit of quantitation and should be considered to have an increased quantitative uncertainty.
- DD: Sampling information not supplied and/or sample not taken by qualified technician, therefore verifiability of the report is limited to results only. Report cannot be used for regulatory purposes.
- EE: Subcontractor ELAP : #11777
- FF: Unable to verify that the wipe samples submitted conform to ASTM E1792 or specifications issued by the EPA.
- GG: Level found exceeds the maximum contaminant level (MCL) as set by local, state or federal agencies.
- HH: Subcontractor ELAP #10760

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**LONG ISLAND ANALYTICAL LABORATORIES INC.**

NYSDOH ELAP# 11089  
USEPA# NY01278  
CTDOSH# PH-0284  
AIHA# 164456  
NJDEP# NY012  
PADEP# 68-2943

TOMORROW'S ANALYTICAL SOLUTIONS TODAY

1 of 14 pages

January 18, 2008

William A. Gross Construction  
Mark Gross  
117 South 4<sup>th</sup> Street  
New Hyde Park, NY 11040

Re: 57<sup>th</sup> Avenue, Elmhurst, Queens

Dear Mr. Gross:

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on January 17, 2008. Long Island Analytical Laboratories analyzed the samples on January 18, 2008 for the following:

CLIENT ID	ANALYSIS
2N-WZ2-North Wall	EPA 8270 and Total Lead Analysis
2W WZ2 West Wall	EPA 8270 and Total Lead Analysis
2W Dup WZ2 West Wall	EPA 8270 and Total Lead Analysis
2E WZ2 East Wall	EPA 8270 and Total Lead Analysis
2S WZ2 South Wall	EPA 8270 and Total Lead Analysis
2B WZ2 Bottom	EPA 8270 and Total Lead Analysis

Samples received at 4°C.

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted above. Report shall not be reproduced except in full, without the written approval of the laboratory. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

**Long Island Analytical Laboratories, Inc.**

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Phone (631) 472-3400 • Fax (631) 472-8505 • Email: LIAL@lialinc.com

2 of 14 pages

Client: William A. Gross Construction	Client ID: 67 <sup>th</sup> Ave., Elmhurst, Queens (2N-W22 North Wall)
Date received: 1/17/08	Laboratory ID: 1151480
Date extracted: 1/18/08	Matrix: Soil
Date analyzed: 1/18/08	ELAP #: 11693

## EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg	Flag
N-NITROSODIMETHYLAMINE	62-75-9	40 ug/kg	<40	
PHENOL	108-95-2	40 ug/kg	<40	
ANILINE	62-53-3	40 ug/kg	<40	
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40	
Bis(2-CHLOROETHYL)ETHER	111-44-4	40 ug/kg	<40	
1,3-DICHLOROBENZENE	541-73-1	40 ug/kg	<40	
1,4-DICHLOROBENZENE	106-46-7	40 ug/kg	<40	
BENZYL ALCOHOL	100-51-6	40 ug/kg	<40	
1,2-DICHLOROBENZENE	95-50-1	40 ug/kg	<40	
2-METHYLPHENOL	95-48-7	40 ug/kg	<40	
Bis(2-CHLOROISOPROPYL)ETHER	108-80-1	40 ug/kg	<40	
HEXACHLOROETHANE	87-72-1	40 ug/kg	<40	
3,4-METHYLPHENOL	15831-10-4	40 ug/kg	<40	
N-NITROSODI-n-PROPYL AMINE	621-64-7	40 ug/kg	<40	
NITROBENZENE	98-95-3	40 ug/kg	<40	
ISOPHORONE	78-59-1	40 ug/kg	<40	
2-NITROPHENOL	88-75-5	40 ug/kg	<40	
2,4-DIMETHYLPHENOL	105-87-9	40 ug/kg	<40	
BENZOIC ACID	65-80-8	40 ug/kg	<40	
Bis(2-CHLOROETHOXY)METHANE	111-91-1	40 ug/kg	<40	
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40	
1,2,4-TRICHLOROBENZENE	120-82-1	40 ug/kg	<40	
NAPHTHALENE	91-20-3	40 ug/kg	<40	
4-CHLOROANILINE	108-47-8	40 ug/kg	<40	
HEXACHLOROBUTADIENE	87-88-3	40 ug/kg	<40	
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40	
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<40	
HEXACHLOROCYCLOPENTADIENE	77-47-4	66 ug/kg	<66	
2,4,6-TRICHLOROPHENOL	88-06-2	40 ug/kg	<40	
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40	
2-CHLORONAPHTHALENE	91-58-7	40 ug/kg	<40	
2-NITROANILINE	88-74-4	40 ug/kg	<40	
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40	
ACENAPHTHYLENE	208-96-8	40 ug/kg	<40	
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<40	
3-NITROANILINE	99-09-2	40 ug/kg	<40	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis



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3 of 14 pages

Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (2N-W22 North Wall)
Date received: 1/17/08	Laboratory ID: 1151460
Date extracted: 1/18/08	Matrix: Soil
Date analyzed: 1/18/08	ELAP #: 11693

**EPA METHOD 8270**

Parameter	CAS No.	MDL	Results ug/kg	Flag
ACENAPHTHENE	83-32-9	40 ug/kg	<40	
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40	
DIBENZOFURAN	132-64-9	40 ug/kg	<40	
4-NITROPHENOL	100-02-7	40 ug/kg	<40	
2,4-DINITROFLUORENE	121-14-2	40 ug/kg	<40	
FLUORENE	86-73-7	40 ug/kg	<40	
DIETHYLPHTHALATE	84-68-2	40 ug/kg	<40	
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	40 ug/kg	<40	
4-NITROANILINE	100-01-6	40 ug/kg	<40	
4,6-DINITRO-2-METHYLPHENOL	534-62-1	40 ug/kg	<40	
N-NITROSODIPHENYLAMINE	88-30-5	40 ug/kg	<40	
AZOBIENZENE	103-33-3	40 ug/kg	<40	
4-BROMOPHENYL-PHENYL ETHER	101-55-3	40 ug/kg	<40	
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40	
PENTACHLOROPHENOL	87-88-5	40 ug/kg	<40	
PHENANTHRENE	85-01-8	40 ug/kg	<40	
ANTHRACENE	120-12-7	40 ug/kg	<40	
CARBAZOLE	86-74-8	40 ug/kg	<40	
Di-n-BUTYLPHTHALATE	84-74-2	500 ug/kg	<500	
FLUORANTHENE	206-44-0	40 ug/kg	59	
PYRENE	129-00-0	40 ug/kg	46	
BUTYLBENZYLPHTHALATE	86-68-7	40 ug/kg	<40	
BENZO-a-ANTHRACENE	56-56-3	40 ug/kg	<40	
CHRYSENE	218-01-9	40 ug/kg	<40	
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<40	
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	<500	
DI-n-OCTYLPHTHALATE	117-84-0	40 ug/kg	<40	
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	48	
BENZO-k-FLUOROANTHENE	207-08-9	40 ug/kg	<40	
BENZO-a-PYRENE	50-32-8	40 ug/kg	<40	
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	<40	
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<40	
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	<40	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis

*Michael Veraldi*

Michael Veraldi-Laboratory Director



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4 of 14 pages

Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (2W-WZ2 West Wall)
Date received: 1/17/08	Laboratory ID: 1151461
Date extracted: 1/18/08	Matrix: Soil
Date analyzed: 1/18/08	ELAP #: 11693

## EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg	Flag
N-NITROSODIMETHYLAMINE	62-75-9	40 ug/kg	<40	
PHENOL	108-95-2	40 ug/kg	<40	
ANILINE	62-53-3	40 ug/kg	<40	
2-CHLOROPHENOL	95-67-8	40 ug/kg	<40	
Bis(2-CHLOROETHYL)ETHER	111-44-4	40 ug/kg	<40	
1,3-DICHLOROBENZENE	541-73-1	40 ug/kg	<40	
1,4-DICHLOROBENZENE	106-46-7	40 ug/kg	<40	
BENZYL ALCOHOL	100-51-6	40 ug/kg	<40	
1,2-DICHLOROBENZENE	95-50-1	40 ug/kg	<40	
2-METHYLPHENOL	95-48-7	40 ug/kg	<40	
Bis(2-CHLOROISOPROPYL)ETHER	108-60-1	40 ug/kg	<40	
HEXACHLOROETHANE	67-72-1	40 ug/kg	<40	
3+4-METHYLPHENOL	15831-10-4	40 ug/kg	<40	
N-NITROSODI-n-PROPYL AMINE	821-64-7	40 ug/kg	<40	
NITROBENZENE	98-95-3	40 ug/kg	<40	
ISOPHORONE	78-59-1	40 ug/kg	<40	
2-NITROPHENOL	88-75-5	40 ug/kg	<40	
2,4-DIMETHYLPHENOL	106-67-9	40 ug/kg	<40	
BENZOIC ACID	65-80-8	40 ug/kg	<40	
Bis(2-CHLOROETHOXY)METHANE	111-91-1	40 ug/kg	<40	
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40	
1,2,4-TRICHLOROBENZENE	120-82-1	40 ug/kg	<40	
NAPHTHALENE	91-20-3	40 ug/kg	<40	
4-CHLOROANILINE	106-47-8	40 ug/kg	<40	
HEXACHLOROBUTADIENE	87-88-3	40 ug/kg	<40	
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40	
2-METHYLNAPHTHALENE	91-67-6	40 ug/kg	<40	
HEXACHLOROCYCLOPENTADIENE	77-47-4	68 ug/kg	<68	
2,4,6-TRICHLOROPHENOL	68-06-2	40 ug/kg	<40	
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40	
2-CHLORONAPHTHALENE	91-58-7	40 ug/kg	<40	
2-NITROANILINE	88-74-4	40 ug/kg	<40	
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40	
ACENAPHTHYLENE	208-96-8	40 ug/kg	<40	
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<40	
3-NITROANILINE	99-09-2	40 ug/kg	<40	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis



**LONG ISLAND ANALYTICAL LABORATORIES INC.**

"TOMORROW'S ANALYTICAL SOLUTIONS TODAY"

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Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (2W-W22 West Wall)
Date received: 1/17/08	Laboratory ID: 1151461
Date extracted: 1/18/08	Matrix: Soil
Date analyzed: 1/18/08	ELAP #: 11693

**EPA METHOD 8270**

Parameter	CAS No.	MDL	Results ug/kg	Flag
ACENAPHTHENE	83-32-9	40 ug/kg	<40	
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40	
DIBENZOFURAN	132-84-8	40 ug/kg	<40	
4-NITROPHENOL	100-02-7	40 ug/kg	<40	
2,4-DINITROTOLUENE	121-14-2	40 ug/kg	<40	
FLUORENE	88-73-7	40 ug/kg	<40	
DIETHYLPHTHALATE	84-66-2	40 ug/kg	<40	
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	40 ug/kg	<40	
4-NITROANILINE	100-01-6	40 ug/kg	<40	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	40 ug/kg	<40	
N-NITROSODIPHENYLAMINE	86-30-6	40 ug/kg	<40	
AZOBENZENE	103-33-3	40 ug/kg	<40	
4-BROMOPHENYL-PHENYL ETHER	101-56-3	40 ug/kg	<40	
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40	
PENTACHLORPHENOL	87-86-5	40 ug/kg	<40	
PHENANTHRENE	85-01-8	40 ug/kg	436	
ANTHRACENE	120-12-7	40 ug/kg	111	
CARBAZOLE	86-74-8	40 ug/kg	73	
Di-n-BUTYLPHTHALATE	84-74-2	500 ug/kg	<500	
FLUORANTHENE	206-44-0	40 ug/kg	768	
PYRENE	129-00-0	40 ug/kg	616	
BUTYLBENZYLPHTHALATE	85-58-7	40 ug/kg	<40	
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	412	
CHRYSENE	218-01-9	40 ug/kg	355	
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<40	
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	<500	
DI-n-OCTYLPHTHALATE	117-84-0	40 ug/kg	<40	
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	421	
BENZO-k-FLUOROANTHENE	207-08-9	40 ug/kg	152	
BENZO-a-PYRENE	60-32-8	40 ug/kg	314	
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	207	
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	54	
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	179	

MDL = Minimum Detection Limit

*Michael Veraldi*  
 Analyzed on a wet weight basis

Michael Veraldi-Laboratory Director



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Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (2W-Dup WZ2 West Wall)
Date received: 1/17/08	Laboratory ID: 1151462
Date extracted: 1/18/08	Matrix: Soil
Date analyzed: 1/18/08	ELAP #: 11693

## EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg	Flag
N-NITROSODIMETHYLAMINE	62-75-9	40 ug/kg	<40	
PHENOL	108-95-2	40 ug/kg	<40	
ANILINE	62-53-3	40 ug/kg	<40	
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40	
Bis(2-CHLOROETHYL)ETHER	111-44-4	40 ug/kg	<40	
1,3-DICHLOROBENZENE	541-73-1	40 ug/kg	<40	
1,4-DICHLOROBENZENE	106-46-7	40 ug/kg	<40	
BENZYL ALCOHOL	100-51-6	40 ug/kg	<40	
1,2-DICHLOROBENZENE	95-50-1	40 ug/kg	<40	
2-METHYLPHENOL	95-48-7	40 ug/kg	<40	
Bis(2-CHLOROISOPROPYL)ETHER	108-80-1	40 ug/kg	<40	
HEXACHLOROETHANE	67-72-1	40 ug/kg	<40	
3+4-METHYLPHENOL	15831-10-4	40 ug/kg	<40	
N-NITROSODI-n-PROPYL AMINE	621-84-7	40 ug/kg	<40	
NITROBENZENE	98-95-3	40 ug/kg	<40	
ISOPHORONE	78-59-1	40 ug/kg	<40	
2-NITROPHENOL	88-75-5	40 ug/kg	<40	
2,4-DIMETHYLPHENOL	105-67-9	40 ug/kg	<40	
BENZOIC ACID	85-80-8	40 ug/kg	<40	
Bis(2-CHLOROETHOXY)METHANE	111-91-1	40 ug/kg	<40	
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40	
1,2,4-TRICHLOROBENZENE	120-82-1	40 ug/kg	<40	
NAPHTHALENE	91-20-3	40 ug/kg	<40	
4-CHLOROANILINE	106-47-8	40 ug/kg	<40	
HEXACHLOROBUTADIENE	87-68-3	40 ug/kg	<40	
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40	
2-METHYLNAPHTHALENE	91-57-8	40 ug/kg	<40	
HEXACHLOROCYCLOPENTADIENE	77-47-4	66 ug/kg	<66	
2,4,6-TRICHLOROPHENOL	88-06-2	40 ug/kg	<40	
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40	
2-CHLORONAPHTHALENE	91-58-7	40 ug/kg	<40	
2-NITROANILINE	88-74-4	40 ug/kg	<40	
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40	
ACENAPHTHYLENE	208-86-8	40 ug/kg	<40	
2,6-DINITROTOLUENE	808-20-2	40 ug/kg	<40	
3-NITROANILINE	99-09-2	40 ug/kg	<40	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis



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Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (2W-Dup WZ2 West Wall)
Date received: 1/17/08	Laboratory ID: 1151462
Date extracted: 1/18/08	Matrix: Soil
Date analyzed: 1/18/08	ELAP #: 11693

**EPA METHOD 8270**

Parameter	CAS No.	MDL	Results ug/kg	Flag
ACENAPHTHENE	83-32-9	40 ug/kg	<40	
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40	
DIBENZOFURAN	132-84-9	40 ug/kg	<40	
4-NITROPHENOL	100-02-7	40 ug/kg	<40	
2,4-DINITROTOLUENE	121-14-2	40 ug/kg	<40	
FLUORENE	86-73-7	40 ug/kg	<40	
DIETHYLPHTHALATE	84-66-2	40 ug/kg	<40	
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	40 ug/kg	<40	
4-NITROANILINE	100-01-6	40 ug/kg	<40	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	40 ug/kg	<40	
N-NITROSODIPHENYLAMINE	86-30-6	40 ug/kg	<40	
AZOBENZENE	103-33-3	40 ug/kg	<40	
4-BROMOPHENYL-PHENYL ETHER	101-55-3	40 ug/kg	<40	
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40	
PENTACHLORPHENOL	87-86-5	40 ug/kg	<40	
PHENANTHRENE	86-01-8	40 ug/kg	<40	
ANTHRACENE	120-12-7	40 ug/kg	<40	
CARBAZOLE	86-74-8	40 ug/kg	<40	
Di-n-BUTYLPHTHALATE	84-74-2	500 ug/kg	<500	
FLUORANTHENE	206-44-0	40 ug/kg	<40	
PYRENE	129-00-0	40 ug/kg	<40	
BUTYLBENZYLPHTHALATE	86-68-7	40 ug/kg	<40	
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	<40	
CHRYSENE	218-01-8	40 ug/kg	<40	
3,3-DICHLOROBENZIDINE	81-94-1	40 ug/kg	<40	
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	<500	
DI-n-OCTYLPHTHALATE	117-84-0	40 ug/kg	<40	
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	<40	
BENZO-k-FLUOROANTHENE	207-08-9	40 ug/kg	<40	
BENZO-a-PYRENE	50-32-8	40 ug/kg	<40	
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	<40	
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<40	
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	<40	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis

*Michael Veraldi*

Michael Veraldi-Laboratory Director



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Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (2W-W22 East Wall)
Date received: 1/17/08	Laboratory ID: 1151463
Date extracted: 1/18/08	Matrix: Soil
Date analyzed: 1/18/08	ELAP #: 11893

## EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg	Flag
N-NITROSODIMETHYLAMINE	62-75-9	40 ug/kg	<40	
PHENOL	108-95-2	40 ug/kg	<40	
ANILINE	62-53-3	40 ug/kg	<40	
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40	
Bis(2-CHLOROETHYL)ETHER	111-44-4	40 ug/kg	<40	
1,3-DICHLOROBENZENE	641-73-1	40 ug/kg	<40	
1,4-DICHLOROBENZENE	106-46-7	40 ug/kg	<40	
BENZYL ALCOHOL	100-51-6	40 ug/kg	<40	
1,2-DICHLOROBENZENE	95-50-1	40 ug/kg	<40	
2-METHYLPHENOL	95-48-7	40 ug/kg	<40	
Bis(2-CHLOROISOPROPYL)ETHER	108-80-1	40 ug/kg	<40	
HEXACHLOROETHANE	67-72-1	40 ug/kg	<40	
3+4-METHYLPHENOL	15831-10-4	40 ug/kg	<40	
N-NITROSODI-n-PROPYL AMINE	621-84-7	40 ug/kg	<40	
NITROBENZENE	98-95-3	40 ug/kg	<40	
ISOPHORONE	78-59-1	40 ug/kg	<40	
2-NITROPHENOL	88-75-5	40 ug/kg	<40	
2,4-DIMETHYLPHENOL	105-67-9	40 ug/kg	<40	
BENZOIC ACID	65-80-8	40 ug/kg	<40	
Bis(2-CHLOROETHOXY)METHANE	111-91-1	40 ug/kg	<40	
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40	
1,2,4-TRICHLOROBENZENE	120-82-1	40 ug/kg	<40	
NAPHTHALENE	91-20-3	40 ug/kg	<40	
4-CHLOROANILINE	106-47-8	40 ug/kg	<40	
HEXACHLOROBUTADIENE	87-88-3	40 ug/kg	<40	
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40	
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<40	
HEXACHLOROCYCLOPENTADIENE	77-47-4	68 ug/kg	<68	
2,4,6-TRICHLOROPHENOL	88-06-2	40 ug/kg	<40	
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40	
2-CHLORONAPHTHALENE	91-58-7	40 ug/kg	<40	
2-NITROANILINE	88-74-4	40 ug/kg	<40	
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40	
ACENAPHTHYLENE	208-98-8	40 ug/kg	<40	
2,6-DINITROTOLUENE	806-20-2	40 ug/kg	<40	
3-NITROANILINE	98-09-2	40 ug/kg	<40	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis



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Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (2W-WZ2 East Wall)
Date received: 1/17/08	Laboratory ID: 1151463
Date extracted: 1/18/08	Matrix: Soil
Date analyzed: 1/18/08	ELAP #: 11693

## EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg	Flag
ACENAPHTHENE	83-32-9	40 ug/kg	<40	
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40	
DIBENZOFURAN	132-84-9	40 ug/kg	<40	
4-NITROPHENOL	100-02-7	40 ug/kg	<40	
2,4-DINITROTOLUENE	121-14-2	40 ug/kg	<40	
FLUORENE	86-73-7	40 ug/kg	<40	
DIETHYLPHTHALATE	84-66-2	40 ug/kg	<40	
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	40 ug/kg	<40	
4-NITROANILINE	100-01-6	40 ug/kg	<40	
4,6-DINITRO-2-METHYLPHENOL	534-32-1	40 ug/kg	<40	
N-NITROSODIPHENYLAMINE	86-30-6	40 ug/kg	<40	
AZOBENZENE	103-33-3	40 ug/kg	<40	
4-BROMOPHENYL-PHENYL ETHER	101-55-3	40 ug/kg	<40	
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40	
PENTACHLOROPHENOL	87-86-5	40 ug/kg	<40	
PHENANTHRENE	85-01-8	40 ug/kg	<40	
ANTHRACENE	120-12-7	40 ug/kg	<40	
CARBAZOLE	86-74-8	40 ug/kg	<40	
Di-n-BUTYLPHTHALATE	84-74-2	500 ug/kg	<500	
FLUORANTHENE	206-44-0	40 ug/kg	<40	
PYRENE	129-00-0	40 ug/kg	<40	
BUTYLBENZYLPHTHALATE	85-68-7	40 ug/kg	<40	
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	<40	
CHRYSENE	218-01-9	40 ug/kg	<40	
3,3-DICHLOROBENZIDINE	91-84-1	40 ug/kg	<40	
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	<500	
Di-n-OCTYLPHTHALATE	117-84-0	40 ug/kg	<40	
BENZO-h-FLUOROANTHENE	205-98-2	40 ug/kg	<40	
BENZO-k-FLUOROANTHENE	207-08-9	40 ug/kg	<40	
BENZO-a-PYRENE	50-32-8	40 ug/kg	<40	
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	<40	
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<40	
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	<40	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis



Michael Veraldi-Laboratory Director



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Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (2S-WZ2 South Wall)
Date received: 1/17/08	Laboratory ID: 1151464
Date extracted: 1/18/08	Matrix: Soil
Date analyzed: 1/18/08	ELAP #: 11693

## EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg	Flag
N-NITROSODIMETHYLAMINE	62-75-9	40 ug/kg	<40	
PHENOL	108-95-2	40 ug/kg	<40	
ANILINE	62-53-3	40 ug/kg	<40	
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40	
Bis(2-CHLOROETHYL)ETHER	111-44-4	40 ug/kg	<40	
1,3-DICHLOROBENZENE	641-73-1	40 ug/kg	<40	
1,4-DICHLOROBENZENE	106-46-7	40 ug/kg	<40	
BENZYL ALCOHOL	100-51-6	40 ug/kg	<40	
1,2-DICHLOROBENZENE	95-50-1	40 ug/kg	<40	
2-METHYLPHENOL	95-48-7	40 ug/kg	<40	
Bis(2-CHLOROISOPROPYL)ETHER	108-60-1	40 ug/kg	<40	
HEXACHLOROETHANE	67-72-1	40 ug/kg	<40	
3+4-METHYLPHENOL	15931-10-4	40 ug/kg	<40	
N-NITROSODI-n-PROPYL AMINE	621-64-7	40 ug/kg	<40	
NITROBENZENE	98-95-3	40 ug/kg	<40	
ISOPHORONE	78-69-1	40 ug/kg	<40	
2-NITROPHENOL	88-75-5	40 ug/kg	<40	
2,4-DIMETHYLPHENOL	105-67-9	40 ug/kg	<40	
BENZOIC ACID	65-80-8	40 ug/kg	<40	
Bis(2-CHLOROETHOXY)METHANE	111-91-1	40 ug/kg	<40	
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40	
1,2,4-TRICHLOROBENZENE	120-82-1	40 ug/kg	<40	
NAPHTHALENE	91-20-3	40 ug/kg	<40	
4-CHLOROANILINE	106-47-8	40 ug/kg	<40	
HEXACHLOROBUTADIENE	67-68-3	40 ug/kg	<40	
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40	
2-METHYLNAPHTHALENE	91-57-8	40 ug/kg	<40	
HEXACHLOROCYCLOPENTADIENE	77-47-4	88 ug/kg	<66	
2,4,6-TRICHLOROPHENOL	88-08-2	40 ug/kg	<40	
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40	
2-CHLORONAPHTHALENE	91-58-7	40 ug/kg	<40	
2-NITROANILINE	88-74-4	40 ug/kg	<40	
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40	
ACENAPHTHYLENE	208-96-8	40 ug/kg	<40	
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<40	
3-NITROANILINE	99-08-2	40 ug/kg	<40	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis



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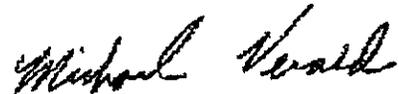
Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (2S-W22 South Wall)
Date received: 1/17/08	Laboratory ID: 1151464
Date extracted: 1/18/08	Matrix: Soil
Date analyzed: 1/18/08	ELAP #: 11693

## EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg	Flag
ACENAPHTHENE	83-32-9	40 ug/kg	<40	
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40	
DIBENZOFURAN	132-84-9	40 ug/kg	<40	
4-NITROPHENOL	100-02-7	40 ug/kg	<40	
2,4-DINITROTOLUENE	121-14-2	40 ug/kg	<40	
FLUORENE	86-73-7	40 ug/kg	<40	
DIETHYLPHTHALATE	84-86-2	40 ug/kg	<40	
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	40 ug/kg	<40	
4-NITROANILINE	100-01-6	40 ug/kg	<40	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	40 ug/kg	<40	
N-NITROSODIPHENYLAMINE	88-30-6	40 ug/kg	<40	
AZOBENZENE	103-33-3	40 ug/kg	<40	
4-BROMOPHENYL-PHENYL ETHER	101-55-3	40 ug/kg	<40	
HEXACHLORO BENZENE	118-74-1	40 ug/kg	<40	
PENTACHLOROPHENOL	87-88-6	40 ug/kg	<40	
PHENANTHRENE	85-01-8	40 ug/kg	<40	
ANTHRACENE	120-12-7	40 ug/kg	<40	
CARBAZOLE	86-74-8	40 ug/kg	<40	
Di-n-BUTYLPHTHALATE	84-74-2	500 ug/kg	<500	
FLUORANTHENE	206-44-0	40 ug/kg	47	
PYRENE	129-00-0	40 ug/kg	42	
BUTYLBENZYLPHTHALATE	85-88-7	40 ug/kg	<40	
BENZO-a-ANTHRACENE	56-56-3	40 ug/kg	<40	
CHRYSENE	218-01-9	40 ug/kg	<40	
3,3-DICHLORO BENZIDINE	91-84-1	40 ug/kg	<40	
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	<500	
Di-n-OCTYLPHTHALATE	117-84-0	40 ug/kg	<40	
BENZO-b-FLUOROANTHENE	205-89-2	40 ug/kg	<40	
BENZO-k-FLUOROANTHENE	207-08-9	40 ug/kg	<40	
BENZO-a-PYRENE	50-32-8	40 ug/kg	<40	
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	<40	
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<40	
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	<40	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis



Michael Veraldi-Laboratory Director



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Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (2B-WZ2 Bottom)
Date received: 1/17/08	Laboratory ID: 1151465
Date extracted: 1/18/08	Matrix: Soil
Date analyzed: 1/18/08	ELAP #: 11693

## EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg	Flag
N-NITROSODIMETHYLAMINE	62-75-9	40 ug/kg	<40	
PHENOL	108-95-2	40 ug/kg	<40	
ANILINE	62-53-3	40 ug/kg	<40	
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40	
Bis(2-CHLOROETHYL)ETHER	111-44-4	40 ug/kg	<40	
1,3-DICHLOROBENZENE	541-73-1	40 ug/kg	<40	
1,4-DICHLOROBENZENE	108-46-7	40 ug/kg	<40	
BENZYL ALCOHOL	100-51-6	40 ug/kg	<40	
1,2-DICHLOROBENZENE	95-50-1	40 ug/kg	<40	
2-METHYLPHENOL	98-48-7	40 ug/kg	<40	
Bis(2-CHLOROISOPROPYL)ETHER	108-60-1	40 ug/kg	<40	
HEXACHLOROETHANE	67-72-1	40 ug/kg	<40	
3+4-METHYLPHENOL	15831-10-4	40 ug/kg	<40	
N-NITROSODI-n-PROPYL AMINE	621-64-7	40 ug/kg	<40	
NITROBENZENE	98-96-3	40 ug/kg	<40	
ISOPHORONE	78-59-1	40 ug/kg	<40	
2-NITROPHENOL	88-75-5	40 ug/kg	<40	
2,4-DIMETHYLPHENOL	105-67-9	40 ug/kg	<40	
BENZOIC ACID	65-80-8	40 ug/kg	<40	
Bis(2-CHLOROETHOXY)METHANE	111-91-1	40 ug/kg	<40	
2,4-DICHLOROPHENOL	102-63-2	40 ug/kg	<40	
1,2,4-TRICHLOROBENZENE	120-82-1	40 ug/kg	<40	
NAPHTHALENE	91-20-3	40 ug/kg	<40	
4-CHLOROANILINE	106-47-8	40 ug/kg	<40	
HEXACHLOROBTADIENE	87-68-3	40 ug/kg	<40	
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40	
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<40	
HEXACHLOROCYCLOPENTADIENE	77-47-4	66 ug/kg	<66	
2,4,6-TRICHLOROPHENOL	88-06-2	40 ug/kg	<40	
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40	
2-CHLORONAPHTHALENE	91-88-7	40 ug/kg	<40	
2-NITROANILINE	88-74-4	40 ug/kg	<40	
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40	
ACENAPHTHYLENE	208-96-8	40 ug/kg	93	
2,6-DINITROTOLUENE	608-20-2	40 ug/kg	<40	
3-NITROANILINE	99-09-2	40 ug/kg	<40	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis



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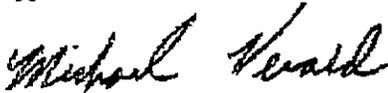
Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (2B-W22 Bottom)
Date received: 1/17/08	Laboratory ID: 1161465
Date extracted: 1/18/08	Matrix: Soil
Date analyzed: 1/18/08	ELAP #: 11693

## EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg	Flag
ACENAPHTHENE	83-32-9	40 ug/kg	<40	
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40	
DIBENZOFURAN	132-64-9	40 ug/kg	<40	
4-NITROPHENOL	100-02-7	40 ug/kg	<40	
2,4-DINITROTOLUENE	121-14-2	40 ug/kg	<40	
FLUORENE	86-73-7	40 ug/kg	55	
DIETHYLPHTHALATE	84-86-2	40 ug/kg	<40	
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	40 ug/kg	<40	
4-NITROANILINE	100-01-8	40 ug/kg	<40	
4,6-DINITRO-2-METHYLPHENOL	534-82-1	40 ug/kg	<40	
N-NITROSODIPHENYLAMINE	86-30-5	40 ug/kg	<40	
AZOBENZENE	103-33-3	40 ug/kg	<40	
4-BROMOPHENYL-PHENYL ETHER	701-55-3	40 ug/kg	<40	
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40	
PENTACHLORPHENOL	87-86-5	40 ug/kg	<40	
PHENANTHRENE	85-01-8	40 ug/kg	847	
ANTHRACENE	120-12-7	40 ug/kg	137	
CARBAZOLE	86-74-8	40 ug/kg	62	
DI-n-BUTYLPHTHALATE	84-74-2	500 ug/kg	<500	
FLUORANTHENE	206-44-0	40 ug/kg	1,326	
PYRENE	129-00-0	40 ug/kg	1,045	
BUTYLBENZYLPHTHALATE	85-88-7	40 ug/kg	<40	
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	511	
CHRYSENE	218-01-9	40 ug/kg	579	
3,3-DICHLOROBENZIDINE	91-84-1	40 ug/kg	<40	
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	<500	
DI-n-OCTYLPHTHALATE	117-84-0	40 ug/kg	<40	
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	756	
BENZO-k-FLUOROANTHENE	207-08-9	40 ug/kg	229	
BENZO-a-PYRENE	50-32-8	40 ug/kg	492	
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	373	
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	86	
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	300	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis



Michael Veraldi - Laboratory Director



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Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens
Date received: 1/17/08	Laboratory ID: 1151460-1151465
Date extracted: 1/18/08	Matrix: Soil
Date analyzed: 1/18/08	ELAP #: 11693

### TOTAL LEAD ANALYSIS

Lab ID	Client ID	MRL	Results mg/kg	FLAG
1151460	2N-WZ2-North Wall	1.65 mg/kg	8.62	
1151461	2W WZ2 West Wall	1.65 mg/kg	4.50	
1151462	2W Dup WZ2 West Wall	1.65 mg/kg	9.97	
1151463	2E WZ2 East Wall	1.65 mg/kg	5.74	
1151464	2S WZ2 South Wall	1.65 mg/kg	8.86	
1151565	2B WZ2 Bottom	1.65 mg/kg	21.7	

MRL = Minimum Reporting Limit

Calculated on a wet weight basis

Performed by SW-846 Method 60105




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 Michael Veraldi-Laboratory Director

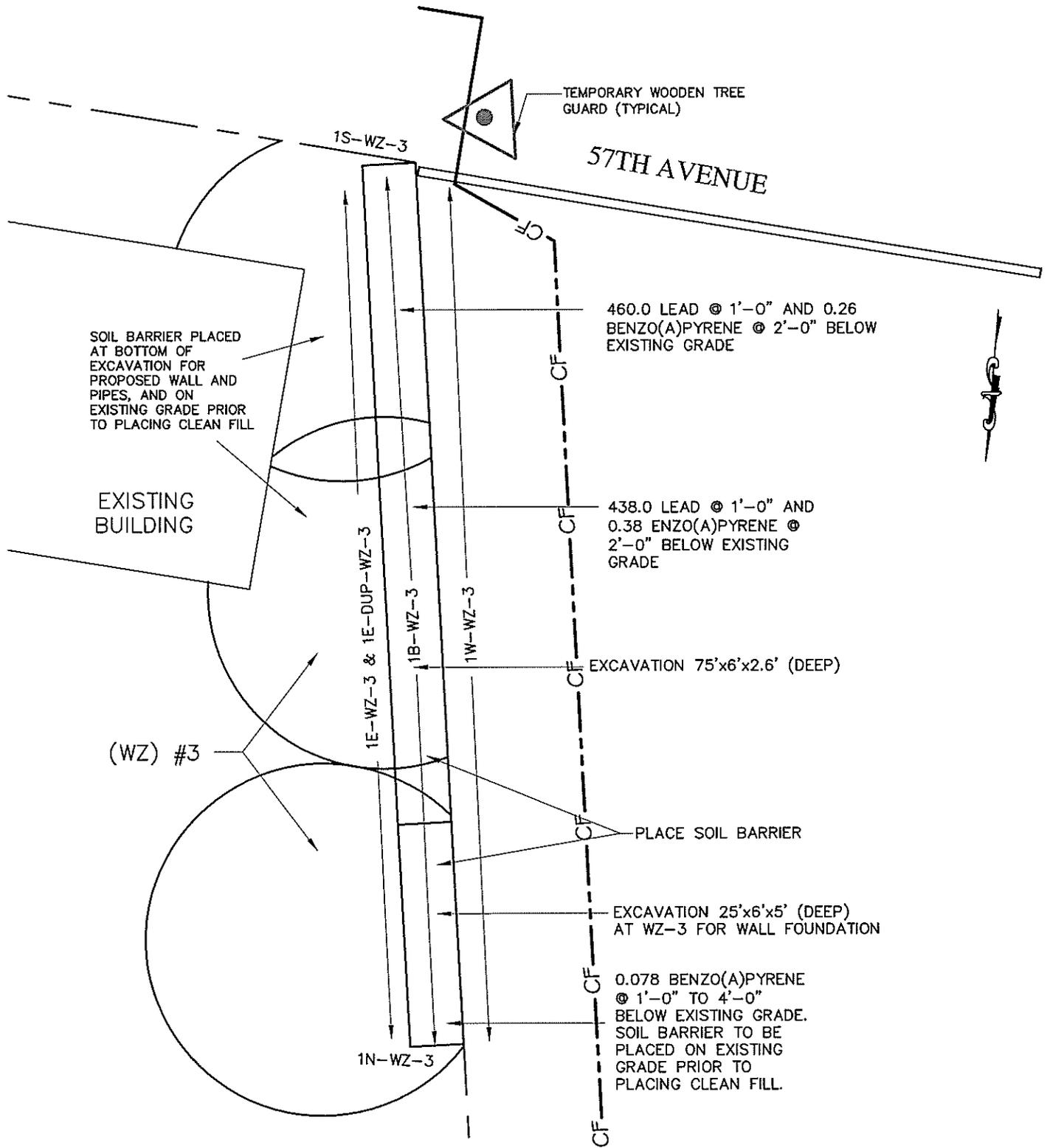
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L. Suchkova, SHAPIRO ENGINEERING, P.C. 10/29/2008 2:34 PM 07-32 SAMPLING LOCATIONS (10-29-08).dwg



SAMPLING LOCATION AT WZ-3  
SCALE: 1/16" = 1'-0"

8.5 x 11

**SHAPIRO ENGINEERING, P.C.**

**CONSULTING ENGINEERS**

181 South Franklin Avenue, Suite 305, Valley Stream, N.Y. 11581-1101  
(516) 791-2300 FAX: (516) 791-0782 e-mail: shapiroengineers@worldnet.att.net

Date:	10/29/08
Scale:	AS NOTED
Drawn by:	JS
Job:	07-32
DATE:	07-32 SAMPLING
Sheet:	1
of 1	Sheets

ELMHURST GAS TANK PARK SITE  
57 AVENUE  
ELMHURST, QUEENS, N.Y. 11373

SAMPLING LOCATION  
AT WZ-3  
B-19

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# CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

0036563



CLIENT NAME/ADDRESS: **GLWA Construction Associates**  
 117 South 4th Street  
 New Hyde Park, NY 11040

CONTACT: **Monic Gross**  
 PHONE: 516-457-0924  
 FAX: 516-434-7768

PROJECT LOCATION: **57th Ave, Elmhurst, Queens, NY 11373**

TERMS & CONDITIONS: Accuracies are payable in full within thirty days, outstanding balances accrue interest charges of 1.5% per month.

SAMPLES RECEIVED AT: **5.2 °C**

ANALYSIS REQUIRED: **2005 SWD**

DATE: **01/15/08 10:20**

DATE: **01/16/08 10:20**

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 GTOGH# PH-0284  
 AIHA# 164456  
 NJDEP# NY012  
 PADEP# 88-2849

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For reporting results, the following "Flags" are used:

- A: Time not supplied by client, may have exceeded holding time
- B: Holding time exceeded, results cannot be used for regulatory purposes
- C: Minimum detection limit raised due to matrix interference
- D: Minimum detection limit raised due to target compound interference
- E: Minimum detection limit raised due to non-target compound interference
- F: Minimum detection limit raised due to insufficient sample volume
- G: Sample received in incorrect container
- H: Sample not preserved, corrected upon receipt
- I: Dilution Water does not meet QC Criteria
- J: Estimated concentration, exceeds calibration range
- K: Target compound found in blank
- L: Subcontractor ELAP #11398
- M: Subcontractor ELAP #10320
- N: Subcontractor NVLAP #102047.0
- O: Subcontractor AIHA #103005
- P: Subcontractor A2LA 2004-01
- Q: Subcontractor ELAP #11026
- R: Subcontractor ELAP #10155
- S: Subcontractor ELAP #11501
- T: Subcontractor CTC
- U: Subcontractor ELAP #11685
- V: QC effected by matrix
- W: Subcontractor ELAP #10248
- X: QC does not meet acceptance criteria
- Y: Sample container received with head space
- Z: Insufficient sample volume received
- AA: Preliminary results, cannot be used for regulatory purposes.
- BB: Spike recovery does not meet QC criteria due to high target concentration
- CC: Data reported below the lower limit of quantitation and should be considered to have an increased quantitative uncertainty.
- DD: Sampling information not supplied and/or sample not taken by qualified technician, therefore verifiability of the report is limited to results only. Report cannot be used for regulatory purposes.
- EE: Subcontractor ELAP : #11777
- FF: Unable to verify that the wipe samples submitted conform to ASTM E1782 or specifications issued by the EPA.
- GG: Level found exceeds the maximum contaminant level (MCL) as set by local, state or federal agencies.
- HH: Subcontractor ELAP #10760

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NYSDOH ELAP# 11683  
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 AHA# 184486  
 NJDEP# NY012  
 PADER# 68-2843



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1 of 14 pages

January 17, 2008

William A. Gross Construction  
 Mark Gross  
 117 South 4<sup>th</sup> Street  
 New Hyde Park, NY 11040



Dear Mr. Gross:

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on January 18, 2008. Long Island Analytical Laboratories analyzed the samples on January 17, 2008 for the following:

CLIENT ID	ANALYSIS
1B-WZ3 Bottom (SWest)	EPA 8270 and Total Lead Analysis
1N WZ3 North Wall (SWest)	EPA 8270 and Total Lead Analysis
1W WZ3 West Wall (SWest)	EPA 8270 and Total Lead Analysis
1S WZ3 South Wall (SWest)	EPA 8270 and Total Lead Analysis
1E WZ3 East Wall (SWest)	EPA 8270 and Total Lead Analysis
1EDup WZ3 East Wall	EPA 8270 and Total Lead Analysis

Samples received at 5.2°C.

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards, unless noted above. Report shall not be reproduced except in full, without the written approval of the laboratory. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

**Long Island Analytical Laboratories, Inc.**

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Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (1B-WZ3 Bottom (SWest))
Date received: 1/16/08	Laboratory ID: 1151424
Date extracted: 1/17/08	Matrix: Soil
Date analyzed: 1/17/08	ELAP #: 11693

**EPA METHOD 8270**

Parameter	CAS No.	MDL	Results ug/kg	Flag
N-NITROSODIMETHYLAMINE	62-75-9	40 ug/kg	<40	
PHENOL	108-96-2	40 ug/kg	<40	
ANILINE	62-53-3	40 ug/kg	<40	
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40	
Bis(2-CHLOROETHYL)ETHER	111-44-4	40 ug/kg	<40	
1,3-DICHLOROBENZENE	541-73-1	40 ug/kg	<40	
1,4-DICHLOROBENZENE	106-48-7	40 ug/kg	<40	
BENZYL ALCOHOL	100-51-6	40 ug/kg	<40	
1,2-DICHLOROBENZENE	95-50-1	40 ug/kg	<40	
2-METHYLPHENOL	95-48-7	40 ug/kg	<40	
Bis(2-CHLOROISOPROPYL)ETHER	108-60-1	40 ug/kg	<40	
HEXACHLOROETHANE	67-72-1	40 ug/kg	<40	
3+4-METHYLPHENOL	15831-10-4	40 ug/kg	<40	
N-NITROSODI-n-PROPYL AMINE	621-84-7	40 ug/kg	<40	
NITROBENZENE	98-95-3	40 ug/kg	<40	
ISOPHORONE	78-59-1	40 ug/kg	<40	
2-NITROPHENOL	88-75-5	40 ug/kg	<40	
2,4-DIMETHYLPHENOL	105-67-9	40 ug/kg	<40	
BENZOIC ACID	65-80-8	40 ug/kg	<40	
Bis(2-CHLOROETHOXY)METHANE	111-91-1	40 ug/kg	<40	
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40	
1,2,4-TRICHLOROBENZENE	120-82-1	40 ug/kg	<40	
NAPHTHALENE	91-20-3	40 ug/kg	<40	
4-CHLOROANILINE	106-47-8	40 ug/kg	<40	
HEXACHLOROBUTADIENE	87-68-3	40 ug/kg	<40	
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40	
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<40	
HEXACHLOROCYCLOPENTADIENE	77-47-4	66 ug/kg	<66	
2,4,6-TRICHLOROPHENOL	88-06-2	40 ug/kg	<40	
2,4,8-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40	
2-CHLORONAPHTHALENE	91-58-7	40 ug/kg	<40	
2-NITROANILINE	88-74-4	40 ug/kg	<40	
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40	
ACENAPHTHYLENE	208-96-8	40 ug/kg	<40	
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<40	
3-NITROANILINE	99-09-2	40 ug/kg	<40	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis



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Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (1B-W23 Bottom (SWest))
Date received: 1/16/08	Laboratory ID: 1151424
Date extracted: 1/17/08	Matrix: Soil
Date analyzed: 1/17/08	ELAP #: 11593

**EPA METHOD 8270**

Parameter	CAS No.	MDL	Results ug/kg	Flag
ACENAPHTHENE	83-32-9	40 ug/kg	<40	
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40	
DIBENZOFURAN	132-64-9	40 ug/kg	<40	
4-NITROPHENOL	100-02-7	40 ug/kg	<40	
2,4-DINITROTOLUENE	121-14-2	40 ug/kg	<40	
FLUORENE	86-72-7	40 ug/kg	<40	
DIETHYLPHTHALATE	84-86-2	40 ug/kg	<40	
4-CHLOROPHENYL PHENYL ETHER	7008-72-3	40 ug/kg	<40	
4-NITROANILINE	100-01-6	40 ug/kg	<40	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	40 ug/kg	<40	
N-NITROSODIPHENYLAMINE	86-30-6	40 ug/kg	<40	
AZOBENZENE	103-33-3	40 ug/kg	<40	
4-BROMOPHENYL-PHENYL ETHER	101-55-3	40 ug/kg	<40	
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40	
PENTACHLORPHENOL	87-88-5	40 ug/kg	<40	
PHENANTHRENE	85-01-8	40 ug/kg	<40	
ANTHRACENE	120-12-7	40 ug/kg	<40	
CARBAZOLE	86-74-8	40 ug/kg	<40	
Di-n-BUTYLPHTHALATE	84-74-2	500 ug/kg	<500	
FLUORANTHENE	208-44-0	40 ug/kg	54	
PYRENE	129-00-0	40 ug/kg	50	
BUTYLBENZYLPHTHALATE	86-68-7	40 ug/kg	<40	
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	<40	
CHRYSENE	218-01-9	40 ug/kg	<40	
3,3-DICHLOROBENZIDINE	91-84-1	40 ug/kg	<40	
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	<500	
Di-n-OCTYLPHTHALATE	117-84-0	40 ug/kg	<40	
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	<40	
BENZO-k-FLUOROANTHENE	207-08-9	40 ug/kg	<40	
BENZO-a-PYRENE	50-32-8	40 ug/kg	<40	
INDENO(1,2,3-c,d)PYRENE	183-39-5	40 ug/kg	<40	
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<40	
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	<40	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis

*Michael Veraldi*

Michael Veraldi-Laboratory Director



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Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (1N-WZ3 North Wall (SWest))
Date received: 1/16/08	Laboratory ID: 1151425
Date extracted: 1/17/08	Matrix: Soil
Date analyzed: 1/17/08	ELAP #: 11693

**EPA METHOD 8270**

Parameter	CAS No.	MDL	Results ug/kg	Flag
N-NITROSODIMETHYLAMINE	62-75-9	40 ug/kg	<40	
PHENOL	108-95-2	40 ug/kg	<40	
ANILINE	62-53-3	40 ug/kg	<40	
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40	
Bis(2-CHLOROETHYL)ETHER	111-44-4	40 ug/kg	<40	
1,3-DICHLOROBENZENE	541-73-1	40 ug/kg	<40	
1,4-DICHLOROBENZENE	106-46-7	40 ug/kg	<40	
BENZYL ALCOHOL	100-51-6	40 ug/kg	<40	
1,2-DICHLOROBENZENE	95-50-1	40 ug/kg	<40	
2-METHYLPHENOL	95-48-7	40 ug/kg	<40	
Bis(2-CHLOROISOPROPYL)ETHER	108-60-1	40 ug/kg	<40	
HEXACHLOROETHANE	67-72-1	40 ug/kg	<40	
3+4-METHYLPHENOL	15831-10-4	40 ug/kg	<40	
N-NITROSODI-n-PROPYL AMINE	621-64-7	40 ug/kg	<40	
NITROBENZENE	98-95-3	40 ug/kg	<40	
ISOPHORONE	78-59-1	40 ug/kg	<40	
2-NITROPHENOL	88-75-6	40 ug/kg	<40	
2,4-DIMETHYLPHENOL	105-67-9	40 ug/kg	<40	
BENZOIC ACID	65-80-8	40 ug/kg	<40	
Bis(2-CHLOROETHOXY)METHANE	111-91-1	40 ug/kg	<40	
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40	
1,2,4-TRICHLOROBENZENE	120-82-1	40 ug/kg	<40	
NAPHTHALENE	91-20-3	40 ug/kg	<40	
4-CHLOROANILINE	108-47-9	40 ug/kg	<40	
HEXACHLOROBUTADIENE	87-68-3	40 ug/kg	<40	
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40	
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<40	
HEXACHLOROCYCLOPENTADIENE	77-47-4	66 ug/kg	<66	
2,4,6-TRICHLOROPHENOL	88-06-2	40 ug/kg	<40	
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40	
2-CHLORONAPHTHALENE	91-56-7	40 ug/kg	<40	
2-NITROANILINE	88-74-4	40 ug/kg	<40	
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40	
ACENAPHTHYLENE	208-96-8	40 ug/kg	<40	
2,6-DINITROTOLUENE	806-20-2	40 ug/kg	<40	
3-NITROANILINE	98-09-2	40 ug/kg	<40	

Calculated on a wet weight basis

MDL = Minimum Detection Limit.



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Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (1N-WZ3 North Wall (SWest))
Date received: 1/16/08	Laboratory ID: 1151425
Date extracted: 1/17/08	Matrix: Soil
Date analyzed: 1/17/08	ELAP #: 11693

**EPA METHOD 8270**

Parameter	CAS No.	MDL	Results ug/kg	Flag
ACENAPHTHENE	83-82-9	40 ug/kg	<40	
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40	
DIBENZOFURAN	132-64-9	40 ug/kg	<40	
4-NITROPHENOL	100-02-7	40 ug/kg	<40	
2,4-DINITROTOLUENE	121-14-2	40 ug/kg	<40	
FLUORENE	88-73-7	40 ug/kg	<40	
DIETHYLPHTHALATE	84-66-2	40 ug/kg	<40	
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	40 ug/kg	<40	
4-NITROANILINE	100-01-6	40 ug/kg	<40	
4,8-DINITRO-2-METHYLPHENOL	534-52-1	40 ug/kg	<40	
N-NITROSODIPHENYLAMINE	86-30-6	40 ug/kg	<40	
AZOBENZENE	103-33-3	40 ug/kg	<40	
4-BROMOPHENYL-PHENYL ETHER	101-55-3	40 ug/kg	<40	
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40	
PENTACHLORPHENOL	87-88-5	40 ug/kg	<40	
PHENANTHRENE	88-01-8	40 ug/kg	<40	
ANTHRACENE	120-12-7	40 ug/kg	<40	
CARBAZOLE	86-74-8	40 ug/kg	<40	
DI-n-BUTYLPHTHALATE	84-74-2	500 ug/kg	<500	
FLUORANTHENE	206-44-0	40 ug/kg	<40	
PYRENE	129-00-0	40 ug/kg	<40	
BUTYLBENZYLPHTHALATE	85-68-7	40 ug/kg	<40	
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	<40	
CHRYSENE	218-01-9	40 ug/kg	<40	
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<40	
Bis(2-ETHYLEXYL)PHTHALATE	117-81-7	500 ug/kg	<500	
DI-n-OCTYLPHTHALATE	117-84-0	40 ug/kg	<40	
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	<40	
BENZO-k-FLUOROANTHENE	207-08-9	40 ug/kg	<40	
BENZO-a-PYRENE	50-32-8	40 ug/kg	<40	
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	<40	
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<40	
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	<40	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis

*Michael Verardi*

Michael Verardi-Laboratory Director



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Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (1W-WZ3 West Wall (S/West))
Date received: 1/16/08	Laboratory ID: 1151426
Date extracted: 1/17/08	Matrix: Soil
Date analyzed: 1/17/08	ELAP #: 11693

EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg	Flag
N-NITROSODIMETHYLAMINE	62-75-9	40 ug/kg	<40	
PHENOL	108-95-2	40 ug/kg	<40	
ANILINE	62-53-3	40 ug/kg	<40	
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40	
Bis(2-CHLOROETHYL)ETHER	111-44-4	40 ug/kg	<40	
1,3-DICHLOROBENZENE	541-73-1	40 ug/kg	<40	
1,4-DICHLOROBENZENE	106-48-7	40 ug/kg	<40	
BENZYL ALCOHOL	100-61-6	40 ug/kg	<40	
1,2-DICHLOROBENZENE	95-50-1	40 ug/kg	<40	
2-METHYLPHENOL	95-48-7	40 ug/kg	<40	
Bis(2-CHLOROISOPROPYL)ETHER	108-60-1	40 ug/kg	<40	
HEXACHLOROETHANE	67-72-1	40 ug/kg	<40	
3+4-METHYLPHENOL	15831-10-4	40 ug/kg	<40	
N-NITROSODI-n-PROPYL AMINE	621-64-7	40 ug/kg	<40	
NITROBENZENE	98-95-3	40 ug/kg	<40	
ISOPHORONE	78-59-1	40 ug/kg	<40	
2-NITROPHENOL	88-75-5	40 ug/kg	<40	
2,4-DIMETHYLPHENOL	105-67-9	40 ug/kg	<40	
BENZOIC ACID	65-80-8	40 ug/kg	<40	
Bis(2-CHLOROETHOXY)METHANE	111-91-1	40 ug/kg	<40	
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40	
1,2,4-TRICHLOROBENZENE	120-82-1	40 ug/kg	<40	
NAPHTHALENE	91-20-3	40 ug/kg	<40	
4-CHLOROANILINE	106-47-8	40 ug/kg	<40	
HEXACHLOROBTADIENE	87-68-3	40 ug/kg	<40	
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40	
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<66	
HEXACHLOROCYCLOPENTADIENE	77-47-4	60 ug/kg	<40	
2,4,6-TRICHLOROPHENOL	88-06-2	40 ug/kg	<40	
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40	
2-CHLORONAPHTHALENE	91-58-7	40 ug/kg	<40	
2-NITROANILINE	88-74-4	40 ug/kg	<40	
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40	
ACENAPHTHYLENE	208-96-8	40 ug/kg	<40	
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<40	
3-NITROANILINE	99-09-2	40 ug/kg	<40	

Calculated on a wet weight basis

MDL = Minimum Detection Limit.



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Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (1W-WZ3 West Wall (SWest))
Date received: 1/16/08	Laboratory ID: 1151426
Date extracted: 1/17/08	Matrix: Soil
Date analyzed: 1/17/08	ELAP #: 11693

**EPA METHOD 8270**

Parameter	CAS No.	MDL	Results ug/kg	Flag
ACENAPHTHENE	83-32-9	40 ug/kg	<40	
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40	
DIBENZOFURAN	132-84-9	40 ug/kg	<40	
4-NITROPHENOL	100-02-7	40 ug/kg	<40	
2,4-DINITROTOLUENE	121-14-2	40 ug/kg	<40	
FLUORENE	86-73-7	40 ug/kg	<40	
DIETHYLPHTHALATE	84-68-2	40 ug/kg	<40	
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	40 ug/kg	<40	
4-NITROANILINE	100-01-8	40 ug/kg	<40	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	40 ug/kg	<40	
N-NITROBODIPHENYLAMINE	88-30-8	40 ug/kg	<40	
AZOBENZENE	103-33-3	40 ug/kg	<40	
4-BROMOPHENYL-PHENYL ETHER	101-85-3	40 ug/kg	<40	
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40	
PENTACHLORPHENOL	87-88-5	40 ug/kg	<40	
PHENANTHRENE	85-01-6	40 ug/kg	110	
ANTHRACENE	120-12-7	40 ug/kg	<40	
CARBAZOLE	86-74-8	40 ug/kg	<40	
Di-n-BUTYLPHthalate	84-74-2	500 ug/kg	<500	
FLUORANTHENE	206-44-0	40 ug/kg	230	
PYRENE	129-00-0	40 ug/kg	199	
BUTYLBENZYLPHthalate	85-68-7	40 ug/kg	<40	
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	120	
CHRYSENE	218-01-9	40 ug/kg	141	
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<40	
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	<500	
DI-n-OCTYLPHthalate	117-84-0	40 ug/kg	<40	
BENZO-b-FLUOROANTHENE	205-98-2	40 ug/kg	154	
BENZO-k-FLUOROANTHENE	207-08-9	40 ug/kg	61	
BENZO-a-PYRENE	50-32-8	40 ug/kg	112	
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	101	
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<40	
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	96	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis

*Michael Verald*

Michael Verald-Laboratory Director



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Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (1S-WZ3 South Wall (SWest))
Date received: 1/16/08	Laboratory ID: 1151427
Date extracted: 1/17/08	Matrix: Soil
Date analyzed: 1/17/08	ELAP #: 11693

**EPA METHOD 8270**

Parameter	CAS No.	MDL	Results ug/kg	Flag
N-NITROSODIMETHYLAMINE	62-75-9	40 ug/kg	<40	
PHENOL	108-95-2	40 ug/kg	<40	
ANILINE	62-53-3	40 ug/kg	<40	
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40	
Bis(2-CHLOROETHYL)ETHER	111-44-4	40 ug/kg	<40	
1,3-DICHLOROBENZENE	541-73-1	40 ug/kg	<40	
1,4-DICHLOROBENZENE	106-46-7	40 ug/kg	<40	
BENZYL ALCOHOL	100-51-6	40 ug/kg	<40	
1,2-DICHLOROBENZENE	95-50-1	40 ug/kg	<40	
2-METHYLPHENOL	95-48-7	40 ug/kg	<40	
Bis(2-CHLOROISOPROPYL)ETHER	108-60-1	40 ug/kg	<40	
HEXACHLOROETHANE	87-72-1	40 ug/kg	<40	
3+4-METHYLPHENOL	15831-10-4	40 ug/kg	<40	
N-NITROSODI-n-PROPYL AMINE	621-64-7	40 ug/kg	<40	
NITROBENZENE	98-95-3	40 ug/kg	<40	
ISOPHORONE	78-59-1	40 ug/kg	<40	
2-NITROPHENOL	88-75-5	40 ug/kg	<40	
2,4-DIMETHYLPHENOL	105-67-9	40 ug/kg	<40	
BENZOIC ACID	85-80-8	40 ug/kg	<40	
Bis(2-CHLOROETHOXY)METHANE	111-91-1	40 ug/kg	<40	
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40	
1,2,4-TRICHLOROBENZENE	120-82-1	40 ug/kg	<40	
NAPHTHALENE	91-20-3	40 ug/kg	<40	
4-CHLOROANILINE	106-47-8	40 ug/kg	<40	
HEXACHLOROBUTADIENE	87-68-3	40 ug/kg	<40	
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40	
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<40	
HEXACHLOROCYCLOPENTADIENE	77-47-4	68 ug/kg	<68	
2,4,6-TRICHLOROPHENOL	88-06-2	40 ug/kg	<40	
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40	
2-CHLORONAPHTHALENE	91-58-7	40 ug/kg	<40	
2-NITROANILINE	88-74-4	40 ug/kg	<40	
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40	
ACENAPHTHYLENE	208-96-8	40 ug/kg	<40	
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<40	
3-NITROANILINE	98-08-2	40 ug/kg	<40	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis



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Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (1S-WZ3 South Wall (S/West))
Date received: 1/16/08	Laboratory ID: 1151427
Date extracted: 1/17/08	Matrix: Soil
Date analyzed: 1/17/08	ELAP #: 11693

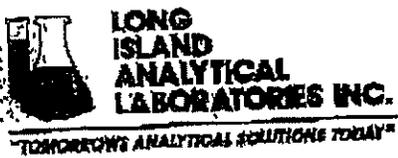
**EPA METHOD 8270**

Parameter	CAS No.	MDL	Results ug/kg	Flag
ACENAPHTHENE	83-32-9	40 ug/kg	<40	
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40	
DIBENZOFURAN	132-64-8	40 ug/kg	<40	
4-NITROPHENOL	100-02-7	40 ug/kg	<40	
2,4-DINITROTOLUENE	121-14-2	40 ug/kg	<40	
FLUORENE	86-73-7	40 ug/kg	<40	
DIETHYLPHTHALATE	84-66-2	40 ug/kg	<40	
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	40 ug/kg	<40	
4-NITROANILINE	100-01-6	40 ug/kg	<40	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	40 ug/kg	<40	
N-NITROSODIPHENYLAMINE	86-30-6	40 ug/kg	<40	
AZOBENZENE	103-33-3	40 ug/kg	<40	
4-BROMOPHENYL-PHENYL ETHER	101-65-3	40 ug/kg	<40	
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40	
PENTACHLORPHENOL	87-86-5	40 ug/kg	<40	
PHENANTHRENE	85-01-8	40 ug/kg	<40	
ANTHRACENE	120-12-7	40 ug/kg	<40	
CARBAZOLE	86-74-8	40 ug/kg	<40	
Di-n-BUTYLPHTHALATE	84-74-2	500 ug/kg	<500	
FLUORANTHENE	206-44-0	40 ug/kg	<40	
PYRENE	129-00-0	40 ug/kg	<40	
BUTYLBENZYLPHthalate	86-68-7	40 ug/kg	<40	
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	<40	
CHRYSENE	218-01-9	40 ug/kg	<40	
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<40	
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	600 ug/kg	<600	
Di-n-OCTYLPHTHALATE	117-84-0	40 ug/kg	<40	
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	<40	
BENZO-k-FLUOROANTHENE	207-08-9	40 ug/kg	<40	
BENZO-a-PYRENE	50-32-8	40 ug/kg	<40	
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	<40	
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<40	
BENZO-g,h,i-PERYLENE	181-24-2	40 ug/kg	<40	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis

*Michael Veraldi*  
 Michael Veraldi-Laboratory Director



10 of 14 pages

Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (1E-WZ3 East Wall (S/West))
Date received: 1/16/08	Laboratory ID: 1151428
Date extracted: 1/17/08	Matrix: Soil
Date analyzed: 1/17/08	ELAP #: 11893

### EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg	Flag
N-NITROBODIMETHYLAMINE	62-75-9	40 ug/kg	<40	
PHENOL	108-95-2	40 ug/kg	<40	
ANILINE	62-53-3	40 ug/kg	<40	
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40	
Bis(2-CHLOROETHYL)ETHER	111-44-4	40 ug/kg	<40	
1,3-DICHLOROBENZENE	541-73-1	40 ug/kg	<40	
1,4-DICHLOROBENZENE	106-46-7	40 ug/kg	<40	
BENZYL ALCOHOL	100-51-6	40 ug/kg	<40	
1,2-DICHLOROBENZENE	95-50-1	40 ug/kg	<40	
2-METHYLPHENOL	95-48-7	40 ug/kg	<40	
Bis(2-CHLOROISOPROPYL)ETHER	108-60-1	40 ug/kg	<40	
HEXACHLOROETHANE	67-72-1	40 ug/kg	<40	
3+4-METHYLPHENOL	15831-10-4	40 ug/kg	<40	
N-NITROSODI-n-PROPYL AMINE	621-64-7	40 ug/kg	<40	
NITROBENZENE	98-95-3	40 ug/kg	<40	
ISOPHORONE	78-59-1	40 ug/kg	<40	
2-NITROPHENOL	88-75-5	40 ug/kg	<40	
2,4-DIMETHYLPHENOL	105-67-9	40 ug/kg	<40	
BENZOIC ACID	66-80-8	40 ug/kg	<40	
Bis(2-CHLOROETHOXY)METHANE	111-91-1	40 ug/kg	<40	
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40	
1,2,4-TRICHLOROBENZENE	120-82-1	40 ug/kg	<40	
NAPHTHALENE	91-20-3	40 ug/kg	<40	
4-CHLOROANILINE	106-47-8	40 ug/kg	<40	
HEXACHLOROBUTADIENE	87-68-3	40 ug/kg	<40	
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40	
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<40	
HEXACHLOROCYCLOPENTADIENE	77-47-4	66 ug/kg	<86	
2,4,6-TRICHLOROPHENOL	88-06-2	40 ug/kg	<40	
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40	
2-CHLORONAPHTHALENE	91-66-7	40 ug/kg	<40	
2-NITROANILINE	88-74-4	40 ug/kg	<40	
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40	
ACENAPHTHYLENE	208-96-6	40 ug/kg	<40	
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<40	
3-NITROANILINE	99-09-2	40 ug/kg	<40	

Calculated on a wet weight basis

MDL = Minimum Detection Limit



**LONG ISLAND ANALYTICAL LABORATORIES INC.**

TOMORROW'S ANALYTICAL SOLUTIONS TODAY

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11 of 14 pages

Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (1E-WZ3 East Wall (S/West))
Date received: 1/16/08	Laboratory ID: 1151428
Date extracted: 1/17/08	Matrix: Soil
Date analyzed: 1/17/08	ELAP #: 11893

EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg	Flag
ACENAPHTHENE	83-32-9	40 ug/kg	<40	
2,4-DINITROPHENOL	61-28-5	40 ug/kg	<40	
DIBENZOFURAN	132-64-9	40 ug/kg	<40	
4-NITROPHENOL	100-02-7	40 ug/kg	<40	
2,4-DINITROTOLUENE	121-14-2	40 ug/kg	<40	
FLUORENE	86-73-7	40 ug/kg	<40	
DIETHYLPHTHALATE	84-66-2	40 ug/kg	<40	
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	40 ug/kg	<40	
4-NITROANILINE	100-01-6	40 ug/kg	<40	
4,8-DINITRO-2-METHYLPHENOL	534-62-1	40 ug/kg	<40	
N-NITROSODIPHENYLAMINE	86-30-6	40 ug/kg	<40	
AZOBENZENE	103-33-3	40 ug/kg	<40	
4-BROMOPHENYL-PHENYL ETHER	101-56-3	40 ug/kg	<40	
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40	
PENTACHLORPHENOL	87-86-8	40 ug/kg	<40	
PHENANTHRENE	85-01-8	40 ug/kg	<40	
ANTHRACENE	120-12-7	40 ug/kg	<40	
CARBAZOLE	86-74-8	40 ug/kg	<40	
Di-n-BUTYLPHTHALATE	84-74-2	500 ug/kg	<500	
FLUORANTHENE	206-44-0	40 ug/kg	47	
PYRENE	129-00-0	40 ug/kg	<40	
BUTYLBENZYLPHTHALATE	85-68-7	40 ug/kg	<40	
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	<40	
CHRYSENE	218-01-9	40 ug/kg	<40	
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<40	
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	<500	
DI-n-OCTYLPHTHALATE	117-84-0	40 ug/kg	<40	
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	<40	
BENZO-k-FLUOROANTHENE	207-08-9	40 ug/kg	<40	
BENZO-a-PYRENE	50-32-8	40 ug/kg	<40	
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	<40	
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	<40	
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	<40	

Calculated on a wwt; weight basis

MDL = Minimum Detection Limit.

*Michael Veraldi*  
Michael Veraldi-Laboratory Director



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12 of 14 pages

Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (1E Dup-WZ3 East Wall (SWest))
Date received: 1/18/08	Laboratory ID: 1151428
Date extracted: 1/17/08	Matrix: Soil
Date analyzed: 1/17/08	ELAP #: 11693

EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg	Flag
N-NITROSODIMETHYLAMINE	62-75-9	40 ug/kg	<40	
PHENOL	108-95-2	40 ug/kg	<40	
ANILINE	62-53-3	40 ug/kg	<40	
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40	
Bis(2-CHLOROETHYL)ETHER	111-44-4	40 ug/kg	<40	
1,3-DICHLOROBENZENE	541-73-1	40 ug/kg	<40	
1,4-DICHLOROBENZENE	106-46-7	40 ug/kg	<40	
BENZYL ALCOHOL	100-51-6	40 ug/kg	<40	
1,2-DICHLOROBENZENE	95-50-1	40 ug/kg	<40	
2-METHYLPHENOL	95-48-7	40 ug/kg	<40	
Bis(2-CHLOROISOPROPYL)ETHER	108-60-1	40 ug/kg	<40	
HEXACHLOROETHANE	67-72-1	40 ug/kg	<40	
3,4-METHYLPHENOL	15831-10-4	40 ug/kg	<40	
N-NITROSODI-n-PROPYL AMINE	621-64-7	40 ug/kg	<40	
NITROBENZENE	98-95-3	40 ug/kg	<40	
ISOPHORONE	78-59-1	40 ug/kg	<40	
2-NITROPHENOL	88-75-5	40 ug/kg	<40	
2,4-DIMETHYLPHENOL	105-67-9	40 ug/kg	<40	
BENZOIC ACID	66-80-8	40 ug/kg	<40	
Bis(2-CHLOROETHOXY)METHANE	111-91-1	40 ug/kg	<40	
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40	
1,2,4-TRICHLOROBENZENE	120-82-1	40 ug/kg	<40	
NAPHTHALENE	91-20-3	40 ug/kg	<40	
4-CHLOROANILINE	106-47-8	40 ug/kg	<40	
HEXACHLOROBUTADIENE	87-68-3	40 ug/kg	<40	
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40	
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<40	
HEXACHLOROCYCLOPENTADIENE	77-47-4	68 ug/kg	<66	
2,4,6-TRICHLOROPHENOL	88-06-2	40 ug/kg	<40	
2,4,5-TRICHLOROPHENOL	95-95-4	40 ug/kg	<40	
2-CHLORONAPHTHALENE	91-58-7	40 ug/kg	<40	
2-NITROANILINE	88-74-4	40 ug/kg	<40	
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40	
ACENAPHTHYLENE	208-98-8	40 ug/kg	119	
2,6-DINITROTOLUENE	606-20-2	40 ug/kg	<40	
3-NITROANILINE	99-09-2	40 ug/kg	<40	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis



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13 of 14 pages

Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (1EDup-WZ3 East Wall (S/West))
Date received: 1/16/08	Laboratory ID: 1151429
Date extracted: 1/17/08	Matrix: Soil
Date analyzed: 1/17/08	ELAP #: 11693

**EPA METHOD 8270**

Parameter	CAS No.	MDL	Results ug/kg	Flag
ACENAPHTHENE	83-32-9	40 ug/kg	<40	
2,4-DINITROPHENOL	61-28-6	40 ug/kg	<40	
DIBENZOFURAN	132-64-9	40 ug/kg	<40	
4-NITROPHENOL	100-02-7	40 ug/kg	<40	
2,4-DINITROTOLUENE	121-14-2	40 ug/kg	<40	
FLUORENE	86-73-7	40 ug/kg	<40	
DIETHYLPHTHALATE	84-66-2	40 ug/kg	<40	
4-CHLOROPHENYL PHENYL ETHER	7006-72-3	40 ug/kg	<40	
4-NITROANILINE	100-01-6	40 ug/kg	<40	
4,6-DINITRO-2-METHYLPHENOL	584-52-1	40 ug/kg	<40	
N-NITROSODIPHENYLAMINE	86-30-6	40 ug/kg	<40	
AZOBENZENE	103-33-3	40 ug/kg	<40	
4-BROMOPHENYL-PHENYL ETHER	101-55-3	40 ug/kg	<40	
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40	
PENTACHLORPHENOL	87-88-5	40 ug/kg	<40	
PHENANTHRENE	85-01-8	40 ug/kg	532	
ANTHRACENE	120-12-7	40 ug/kg	223	
CARBAZOLE	86-74-8	40 ug/kg	<40	
Di-n-BUTYLPHTHALATE	86-74-2	500 ug/kg	<500	
FLUORANTHENE	206-44-0	40 ug/kg	1,921	
PYRENE	129-00-0	40 ug/kg	1,974	
BUTYLBENZYLPHTHALATE	129-00-0	40 ug/kg	<40	
BENZO-a-ANTHRACENE	85-68-7	40 ug/kg	1,146	
CHRYSENE	56-55-3	40 ug/kg	1,010	
3,3-DICHLOROBENZIDINE	218-01-9	40 ug/kg	<40	
Bi(2-ETHYLEXYL)PHTALATE	91-94-1	40 ug/kg	<40	
Di-n-OCTYLPHTHALATE	117-81-7	500 ug/kg	<500	
BENZO-b-FLUOROANTHENE	117-84-0	40 ug/kg	<40	
BENZO-k-FLUOROANTHENE	205-99-2	40 ug/kg	1,163	
BENZO-a-PYRENE	207-08-9	40 ug/kg	423	
INDENO(1,2,3-c,d)PYRENE	207-08-9	40 ug/kg	929	
DIBENZO-a,h-ANTHRACENE	50-32-8	40 ug/kg	643	
BENZO-g,h,i-PERYLENE	193-39-5	40 ug/kg	167	
	53-70-3	40 ug/kg	559	
	191-24-2	40 ug/kg		

Calculated on a wet weight basis

MDL = Minimum Detection Limit.

*Michael Veraldi*

Michael Veraldi-Laboratory Director



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14 of 14 pages

Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens
Date received: 1/16/08	Laboratory ID: 1151424-1151429
Date extracted: 1/17/08	Matrix: Soil
Date analyzed: 1/17/08	ELAP #: 11693

### TOTAL LEAD ANALYSIS

Lab ID	Client ID	MRL	Results mg/kg	FLAG
1151424	1B-WZ3 Bottom (SWest)	1.65 mg/kg	4.48	
1151425	1N WZ3 North Wall (SWest)	1.65 mg/kg	2.44	
1151426	1W WZ3 West Wall (SWest)	1.65 mg/kg	74.5	
1151427	1S WZ3 South Wall (SWest)	1.65 mg/kg	57.7	
1151428	1E WZ3 East Wall (SWest)	1.65 mg/kg	19.5	
1151429	1EDup WZ3 East Wall	1.65 mg/kg	14.3	

MRL = Minimum Reporting Limit

Calculated on a wet weight basis

Performed by SW-846 Method 6010B

Michael Veraldi-Laboratory Director

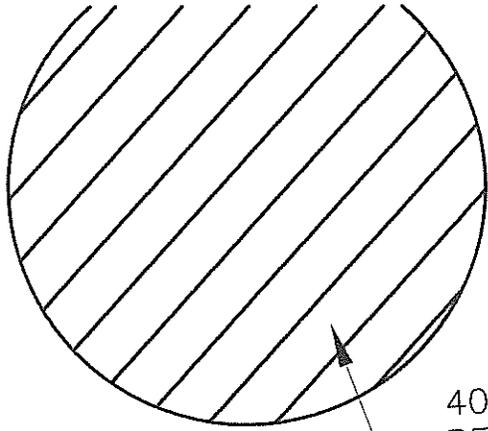


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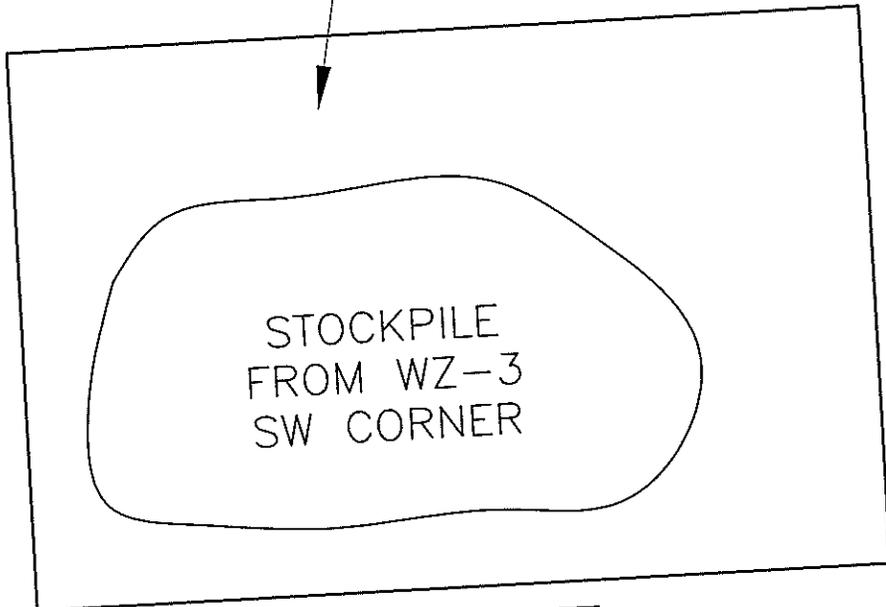
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(WZ) #4

403.0 LEAD @ 1'-0"  
BELOW EXISTING GRADE.  
SOIL BARRIER TO BE  
PLACED ON EXISTING GRADE  
PRIOR TO PLACING CLEAN  
FILL.

FENCED  
CONTAMINATED SOIL  
STOCKPILE AREA



STOCKPILE  
FROM WZ-3  
SW CORNER

TIRE  
CLEAN.  
PAD



SAMPLING LOCATION AT WZ-3P  
SCALE: 1/16" = 1'-0"

# SHAPIRO ENGINEERING, P.C.

## CONSULTING ENGINEERS

181 South Franklin Avenue, Suite 305, Valley Stream, N.Y. 11581-1101  
(516) 791-2300 FAX: (516) 791-0782 e-mail: shapiroengineers@worldnet.att.net

Date:	10/29/08
Scale:	AS NOTED
Drawn by:	sg
Job:	07-52
Sheet:	1
of 1	Sheets
DATE: 07-52 SAMPLING	

ELMHURST GAS TANK PARK SITE  
57 AVENUE  
ELMHURST, QUEENS, N.Y. 11373

SAMPLING LOCATION  
AT WZ-3P  
B-36

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# CHAIN OF CUSTODY / REQUEST FOR ANALYSIS DOCUMENT

CLIENT NAME/ADDRESS: **Crails Construction For Association**  
 117 South 4th Street  
 New Hyde Park, NY 11040

CONTACT: **Mark Gray**  
 PHONE: 516-437-2988  
 FAX: 516-437-1463

DATE ANALYZED: **01/16/08** TIME: **10:25**  
 DATE RECEIVED: **01/16/08** TIME: **10:25**

YES/NO (ANALYZED) **(X)**  
 YES/NO (RECEIVED) **(X)**

LABORATORY ID #: **115.143D**

PROJECT LOCATION: **57th Ave Elmhurst, Queens, NY 11373**

SAMPLES RECEIVED AT: **5.2°C**

ANALYSIS REQUIRED: **NO**

TERMS & CONDITIONS: Accounts are payable in full within thirty days. Outstanding balances accrue service charges of 1.5% per month.

LABORATORY ID #	MATRIX	TYPE	PRES.	PH UNITS	RES. CALORIM. PPM	SAMPLE # - LOCATION	ANALYSIS REQUIRED	# OF CONTAINERS
1. 115.143D	S	C	Ice			Stainless steel from W&S Swiney	X	1
2.	S	e				HP non-stainless	X	1
3.								
4.								
5.								
6.								
7.								
8.								
9.								
10.								
11.								
12.								
13.								
14.								

LABORATORY: **LANS ISLAND ANALYTICAL LABORATORIES INC.**

MATRIX: S=SOIL; SL=SLUDGE; L=LICID; OW=DRINKING WATER; A=AIR; W=WPE; PC=PRINT CHIPS; BM=BULK MATERIAL; O=OIL; G=GRAB; C=CONFORME; SS=SPLIT SPOON; PRES: YGE, HCL, H2SO4, NAOH, NA2S2O8

DATE RECEIVED BY SIGNATURE: **01/16/08** TIME: **10:25**  
 DATE RECEIVED BY SIGNATURE: **01/16/08** TIME: **10:25**

PRINTED NAME: **MELANIA RO-MDNEAKS**

RECEIVED BY SIGNATURE: **[Signature]**

PRINTED NAME: **[Name]**

RECEIVED BY SIGNATURE: **[Signature]**

PRINTED NAME: **[Name]**

COMMENTS / INSTRUCTIONS: **Lead EPA Method 6060 SVOCs EPA Method 8260**

JAN-17-2008 15:24

L. I. ANALYTICAL LABS. INC

631 472 8505 P. 01



**LONG  
ISLAND  
ANALYTICAL  
LABORATORIES INC.**

"TOMORROW'S ANALYTICAL SOLUTIONS TODAY"

NYSDOH ELAP# 11683  
USEPA# NY01273  
CTDCH# PH-0204  
AIHA# 184456  
NJDEP# NY012  
PADEP# 60-2043

## LONG ISLAND ANALYTICAL LABORATORIES, INC. DATA REPORTING FLAGS

For reporting results, the following "Flags" are used:

- A: Time not supplied by client, may have exceeded holding time
- B: Holding time exceeded, results cannot be used for regulatory purposes
- C: Minimum detection limit raised due to matrix interference
- D: Minimum detection limit raised due to target compound interference
- E: Minimum detection limit raised due to non-target compound interference
- F: Minimum detection limit raised due to insufficient sample volume
- G: Sample received in incorrect container
- H: Sample not preserved, corrected upon receipt
- I: Dilution Water does not meet QC Criteria
- J: Estimated concentration, exceeds calibration range
- K: Target compound found in blank
- L: Subcontractor ELAP #11398
- M: Subcontractor ELAP #10320
- N: Subcontractor NYLAP #102047.0
- O: Subcontractor AIHA #103008
- P: Subcontractor A2LA 2004-01
- Q: Subcontractor ELAP #11026
- R: Subcontractor ELAP #10156
- S: Subcontractor ELAP #11501
- T: Subcontractor CTO
- U: Subcontractor ELAP #11685
- V: QC affected by matrix
- W: Subcontractor ELAP #10248
- X: QC does not meet acceptance criteria
- Y: Sample container received with head space
- Z: Insufficient sample volume received
- AA: Preliminary results, cannot be used for regulatory purposes.
- BB: Spike recovery does not meet QC criteria due to high target concentration
- CC: Date reported below the lower limit of quantitation and should be considered to have an increased quantitative uncertainty.
- DD: Sampling information not supplied and/or sample not taken by qualified technician, therefore verifiability of the report is limited to results only. Report cannot be used for regulatory purposes.
- EE: Subcontractor ELAP : #11777
- FF: Unable to verify that the wipe samples submitted conform to ASTM E1792 or specifications issued by the EPA.
- GG: Level found exceeds the maximum contaminant level (MCL) as set by local, state or federal agencies.
- HH: Subcontractor ELAP #10750

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**LONG ISLAND ANALYTICAL LABORATORIES INC.**

NYSDOH ELAP# 11689  
USEPA# NY01273  
CROH# PH-0284  
ALHA# 164456  
NJDEP# NY012  
PADEP# 68-2849

"TOMORROW'S ANALYTICAL SOLUTIONS TODAY"  
1 of 4 pages

January 17, 2008

William A. Gross Construction  
Mark Gross  
117 South 4<sup>th</sup> Street  
New Hyde Park, NY 11040

Re: 57<sup>th</sup> Avenue, Bayside, Queens.

Dear Mr. Gross:

Enclosed please find the Laboratory Analysis Report(s) for sample(s) received on January 16, 2008. Long Island Analytical Laboratories analyzed the samples on January 17, 2008 for the following:

CLIENT ID	ANALYSIS
Stockpile from WZ-3 SW Corner	EPA 8270, & Total Lead Analysis

Samples received at 5.2°C.

If you have any questions or require further information, please call at your convenience. Long Island Analytical Laboratories Inc. is a NELAP accredited laboratory. All reported results meet the requirements of the NELAP standards unless noted above. Report shall not be reproduced except in full, without the written approval of the laboratory. Long Island Analytical Laboratories would like to thank you for the opportunity to be of service to you.

Best Regards,

**Long Island Analytical Laboratories, Inc.**

JAN-17-2008 15:25

L. I. ANALYTICAL LABS. INC

631 472 8505 P.03

2 of 4 pages

Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (Stockpile from WZ-3 SW Corner)
Date received: 1/16/08	Laboratory ID: 1151430
Date extracted: 1/17/08	Matrix: Soil
Date analyzed: 1/17/08	ELAP #: 11693

## EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg	Flag
N-NITROSODIMETHYLAMINE	62-75-8	40 ug/kg	<40	
PHENOL	108-95-2	40 ug/kg	<40	
ANILINE	62-53-3	40 ug/kg	<40	
2-CHLOROPHENOL	95-57-8	40 ug/kg	<40	
Bis(2-CHLOROETHYL)ETHER	111-44-4	40 ug/kg	<40	
1,3-DICHLOROBENZENE	541-73-1	40 ug/kg	<40	
1,4-DICHLOROBENZENE	108-46-7	40 ug/kg	<40	
BENZYL ALCOHOL	100-51-6	40 ug/kg	<40	
1,2-DICHLOROBENZENE	95-50-1	40 ug/kg	<40	
2-METHYLPHENOL	95-48-7	40 ug/kg	<40	
Bis(2-CHLOROISOPROPYL)ETHER	108-60-1	40 ug/kg	<40	
HEXACHLOROETHANE	57-72-1	40 ug/kg	<40	
3+4-METHYLPHENOL	15831-10-4	40 ug/kg	<40	
N-NITROSODI-n-PROPYL AMINE	621-64-7	40 ug/kg	<40	
NITROBENZENE	98-95-3	40 ug/kg	<40	
ISOPHORONE	78-59-1	40 ug/kg	<40	
2-NITROPHENOL	88-75-5	40 ug/kg	<40	
2,4-DIMETHYLPHENOL	105-67-9	40 ug/kg	<40	
BENZOIC ACID	65-80-8	40 ug/kg	<40	
Bis(2-CHLOROETHOXY)METHANE	111-91-1	40 ug/kg	<40	
2,4-DICHLOROPHENOL	102-83-2	40 ug/kg	<40	
1,2,4-TRICHLOROBENZENE	120-82-1	40 ug/kg	<40	
NAPHTHALENE	91-20-3	40 ug/kg	<40	
4-CHLOROANILINE	106-47-8	40 ug/kg	<40	
HEXACHLOROBUTADIENE	87-68-3	40 ug/kg	<40	
4-CHLORO-3-METHYLPHENOL	59-50-7	40 ug/kg	<40	
2-METHYLNAPHTHALENE	91-57-6	40 ug/kg	<40	
HEXACHLOROCYCLOPENTADIENE	77-47-4	66 ug/kg	<66	
2,4,6-TRICHLOROPHENOL	88-06-2	40 ug/kg	<40	
2,4,5-TRICHLOROPHENOL	85-95-4	40 ug/kg	<40	
2-CHLORONAPHTHALENE	91-58-7	40 ug/kg	<40	
2-NITROANILINE	88-74-4	40 ug/kg	<40	
DIMETHYLPHTHALATE	131-11-3	40 ug/kg	<40	
ACENAPHTHYLENE	208-96-8	40 ug/kg	<40	
2,6-DINITROTOLUENE	608-20-2	40 ug/kg	<40	
3-NITROANILINE	99-09-2	40 ug/kg	<40	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis



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Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens (Stockpile from WZ-3 SW Corner)
Date received: 1/16/08	Laboratory ID: 1151430
Date extracted: 1/17/08	Matrix: Soil
Date analyzed: 1/17/08	ELAP #: 11693

## EPA METHOD 8270

Parameter	CAS No.	MDL	Results ug/kg	Flag
ACENAPHTHENE	83-32-9	40 ug/kg	<40	
2,4-DINITROPHENOL	51-28-5	40 ug/kg	<40	
DIBENZOFURAN	132-64-9	40 ug/kg	<40	
4-NITROPHENOL	100-02-7	40 ug/kg	<40	
2,4-DINITROTOLUENE	121-14-2	40 ug/kg	<40	
FLUORENE	86-73-7	40 ug/kg	<40	
DIETHYLPHTHALATE	84-66-2	40 ug/kg	<40	
4-CHLOROPHENYL PHENYL ETHER	7005-72-3	40 ug/kg	<40	
4-NITROANILINE	100-01-8	40 ug/kg	<40	
4,6-DINITRO-2-METHYLPHENOL	534-52-1	40 ug/kg	<40	
N-NITROSODIPHENYLAMINE	86-30-6	40 ug/kg	<40	
AZOBENZENE	103-33-3	40 ug/kg	<40	
4-BROMOPHENYL-PHENYL ETHER	101-55-3	40 ug/kg	<40	
HEXACHLOROBENZENE	118-74-1	40 ug/kg	<40	
PENTACHLORPHENOL	87-86-5	40 ug/kg	<40	
PHENANTHRENE	85-01-8	40 ug/kg	471	
ANTHRACENE	120-12-7	40 ug/kg	52	
CARBAZOLE	86-74-8	40 ug/kg	42	
DI-n-BUTYLPHTHALATE	84-74-2	500 ug/kg	<500	
FLUORANTHENE	206-44-0	40 ug/kg	892	
PYRENE	129-00-0	40 ug/kg	716	
BUTYLBENZYLPHTHALATE	85-68-7	40 ug/kg	<40	
BENZO-a-ANTHRACENE	56-55-3	40 ug/kg	382	
CHRYSENE	218-01-9	40 ug/kg	440	
3,3-DICHLOROBENZIDINE	91-94-1	40 ug/kg	<40	
Bis(2-ETHYLEXYL)PHTALATE	117-81-7	500 ug/kg	<500	
DI-n-OCTYLPHTHALATE	117-84-0	40 ug/kg	<40	
BENZO-b-FLUOROANTHENE	205-99-2	40 ug/kg	457	
BENZO-k- FLUOROANTHENE	207-08-9	40 ug/kg	185	
BENZO-a-PYRENE	50-32-6	40 ug/kg	329	
INDENO(1,2,3-c,d)PYRENE	193-39-5	40 ug/kg	246	
DIBENZO-a,h-ANTHRACENE	53-70-3	40 ug/kg	46	
BENZO-g,h,i-PERYLENE	191-24-2	40 ug/kg	217	

MDL = Minimum Detection Limit.

Calculated on a wet weight basis

*Michael Veraldi*

Michael Veraldi-Laboratory Director



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4 of 4 pages

Client: William A. Gross Construction	Client ID: 57 <sup>th</sup> Ave., Elmhurst, Queens
Date received: 1/16/08	Laboratory ID: 1151430
Date extracted: 1/17/08	Matrix: Soil
Date analyzed: 1/17/08	ELAP #: 11693

### TOTAL LEAD ANALYSIS

Lab ID	Client ID	MRL	Results mg/kg	FLAG
1151430	Stockpile from WZ-3 SW Corner	1.65 mg/kg	27.7	

Calculated on a wet weight basis

MRL = Minimum Reporting Limit

Performed by SW-846 Method 60108

Michael Veraldi-Laboratory Director



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**APPENDIX "C"**

**BACKUP DOCUMENTATION**

**PARTICULATE METER DATARAM-4 READINGS**

1. 11/30/07 WZ-1: Device #1 - Upwind; Device #2 - Downwind Page C-3
2. 12/03/07 WZ-1: Device #1 - Upwind; Device #2 - Downwind Page C-7
3. 01/14/08 WZ-4: Device #1 - Serviced; Device #2 - Downwind Page C-9
4. 01/15/08 WZ-4: Device #1 - Upwind; Device #2 - Downwind Page C-11
5. 01/15/08 WZ-3: Device #1 - Upwind; Device #2 - Downwind Page C-13
6. 01/16/08 WZ-2: Device #1 - Upwind; Device #2 - Downwind Page C-14
7. 02/05/08 WZ-4: Device #1 - Upwind; Device #2 - Downwind Page C-15

```

"Model Number", "DataRAM 4 ", 104
"Serial no.", "D097"
"Device no.", 1
"Tag Number", 3
"Start Time", 10: 46: 13
"Start Date", 30-Nov-2007
"Log Period", 00: 15: 00
"Number", 3
"Cal Factor", 1. 000000
"Unit", 0
"Unit Name", "(MASS )ug/m3"
"SIZE_CORRECT", "ENABLED"
"TEMPUNITS", F
"Max MASS", 12. 703300
"Max MASS @", 3 , 11: 31: 13 , 30-Nov-2007
"Avg MASS", 11. 972810
"Max Di am", 0. 452154
"Max Di am @", 1 , 11: 01: 13 , 30-Nov-2007
"Avg Di am", 0. 433550
"ALARM", "ENABLED"
"ALARM_LEVEL", 100. 0
"AUTO_ZERO", "ENABLED"
"AZ INTERVAL", 2
"Errors", 0000
record, "(MASS )ug/m3", Temp, RHumi di ty, Di ameter
  1, 12. 4, 58. 2, 33, 0. 4522 , 11: 01: 13 , 30-Nov-2007
  2, 10. 8, 56. 4, 28, 0. 4038 , 11: 16: 13 , 30-Nov-2007
  3, 12. 7, 55. 0, 27, 0. 4447 , 11: 31: 13 , 30-Nov-2007

```

```

"Model Number", "DataRAM 4 ", 104
"Serial no.", "D097"
"Device no.", 1
"Tag Number", 4
"Start Time", 11: 38: 39
"Start Date", 30-Nov-2007
"Log Period", 00: 15: 00
"Number", 1
"Cal Factor", 1. 000000
"Unit", 0
"Unit Name", "(MASS )ug/m3"
"SIZE_CORRECT", "ENABLED"
"TEMPUNITS", F
"Max MASS", 11. 448240
"Max MASS @", 1 , 11: 53: 39 , 30-Nov-2007
"Avg MASS", 11. 448240
"Max Di am", 0. 463981
"Max Di am @", 1 , 11: 53: 39 , 30-Nov-2007
"Avg Di am", 0. 463981
"ALARM", "ENABLED"
"ALARM_LEVEL", 100. 0
"AUTO_ZERO", "ENABLED"
"AZ INTERVAL", 2
"Errors", 0000
record, "(MASS )ug/m3", Temp, RHumi di ty, Di ameter
  1, 11. 4, 54. 5, 27, 0. 4640 , 11: 53: 39 , 30-Nov-2007

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```

"Model Number" , "DataRAM 4 " , 104
"Serial no." , "D097"
"Device no." , 1
"Tag Number" , 5
"Start Time" , 13: 13: 24
"Start Date" , 30-Nov-2007
"Log Period" , 00: 15: 00
"Number" , 6
"Cal Factor" , 1. 000000
"Unit" , 0
"Unit Name" , "(MASS )ug/m3"
"SI ZE_CORRECT" , "ENABLED"
"TEMPUNI TS" , F
"Max MASS" , 13. 858040
"Max MASS @" , 3 , 13: 58: 24 , 30-Nov-2007
"Avg MASS" , 13. 618020
"Max Di am" , 0. 567090
"Max Di am @" , 6 , 14: 43: 24 , 30-Nov-2007
"Avg Di am" , 0. 524047
"ALARM" , "ENABLED"
"ALARM_LEVEL" , 100. 0
"AUTO_ZERO" , "ENABLED"
"AZ INTERVAL" , 2
"Errors" , 0000
record, "(MASS )ug/m3", Temp, RHumi di ty, Di ameter
1, 13. 2, 50. 6, 28, 0. 4773 , 13: 28: 24 , 30-Nov-2007
2, 13. 8, 49. 3, 30, 0. 5265 , 13: 43: 24 , 30-Nov-2007
3, 13. 9, 48. 0, 31, 0. 5101 , 13: 58: 24 , 30-Nov-2007
4, 13. 8, 46. 9, 32, 0. 5273 , 14: 13: 24 , 30-Nov-2007
5, 13. 3, 46. 0, 33, 0. 5361 , 14: 28: 24 , 30-Nov-2007
6, 13. 8, 45. 1, 34, 0. 5671 , 14: 43: 24 , 30-Nov-2007

```

```

"Model Number", "DataRAM 4 ", 104
"Serial no.", "D543"
"Device no.", 2
"Tag Number", 1
"Start Time", 13: 13: 51
"Start Date", 21-Nov-2007
"Log Period", 00: 15: 00
"Number", 4
"Cal Factor", 1. 000000
"Unit", 0
"Unit Name", "(MASS )ug/m3"
"SIZE_CORRECT", "ENABLED"
"TEMPUNITS", F
"Max MASS", 51. 482150
"Max MASS @", 4 , 14: 13: 51 , 21-Nov-2007
"Avg MASS", 44. 564700
"Max Di am", 0. 319927
"Max Di am @", 1 , 13: 28: 51 , 21-Nov-2007
"Avg Di am", 0. 310275
"ALARM", "ENABLED"
"ALARM_LEVEL", 100. 0
"AUTO_ZERO", "ENABLED"
"AZ INTERVAL", 1
"Errors", 1000
record, "(MASS )ug/m3", Temp, RHumi di ty, Di ameter
1, 41. 6, 70. 1, 51, 0. 3199 , 13: 28: 51 , 21-Nov-2007
2, 42. 3, 70. 5, 51, 0. 3193 , 13: 43: 51 , 21-Nov-2007
3, 42. 9, 70. 8, 51, 0. 3157 , 13: 58: 51 , 21-Nov-2007
4, 51. 5, 71. 0, 51, 0. 2862 , 14: 13: 51 , 21-Nov-2007

```

```

"Model Number", "DataRAM 4 ", 104
"Serial no.", "D543"
"Device no.", 2
"Tag Number", 2
"Start Time", 10: 48: 54
"Start Date", 30-Nov-2007
"Log Period", 00: 15: 00
"Number", 3
"Cal Factor", 1. 000000
"Unit", 0
"Unit Name", "(MASS )ug/m3"
"SIZE_CORRECT", "ENABLED"
"TEMPUNITS", F
"Max MASS", 35. 911220
"Max MASS @", 3 , 11: 33: 54 , 30-Nov-2007
"Avg MASS", 32. 440310
"Max Di am", 0. 191097
"Max Di am @", 1 , 11: 03: 54 , 30-Nov-2007
"Avg Di am", 0. 182942
"ALARM", "ENABLED"
"ALARM_LEVEL", 100. 0
"AUTO_ZERO", "ENABLED"
"AZ INTERVAL", 1
"Errors", 0000
record, "(MASS )ug/m3", Temp, RHumi di ty, Di ameter
1, 30. 5, 55. 3, 35, 0. 1911 , 11: 03: 54 , 30-Nov-2007
2, 30. 9, 55. 0, 30, 0. 1800 , 11: 18: 54 , 30-Nov-2007
3, 35. 9, 55. 3, 28, 0. 1777 , 11: 33: 54 , 30-Nov-2007

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```

"Model Number", "DataRAM 4 ", 104
"Serial no. ", "D543"
"Device no. ", 2
"Tag Number ", 3
"Start Time ", 13: 23: 16
"Start Date ", 30-Nov-2007
"Log Peri od ", 00: 15: 00
"Number ", 6
"Cal Factor ", 1. 000000
"Uni t ", 0
"Uni t Name ", "(MASS )ug/m3"
"SI ZE_CORRECT", "ENABLED"
"TEMPUNI TS ", F
"Max MASS ", 37. 121020
"Max MASS @ ", 3 , 14: 08: 16 , 30-Nov-2007
"Avg MASS ", 29. 005720
"Max Di am ", 0. 290225
"Max Di am @ ", 3 , 14: 08: 16 , 30-Nov-2007
"Avg Di am ", 0. 261685
"ALARM ", "ENABLED"
"ALARM_LEVEL ", 100. 0
"AUTO_ZERO ", "ENABLED"
"AZ INTERVAL ", 1
"Errors ", 0000
record, "(MASS )ug/m3", Temp, RHumi di ty, Di ameter
1, 20. 8, 51. 5, 28, 0. 2680 , 13: 38: 16 , 30-Nov-2007
2, 20. 0, 52. 1, 29, 0. 2667 , 13: 53: 16 , 30-Nov-2007
3, 37. 1, 52. 5, 29, 0. 2902 , 14: 08: 16 , 30-Nov-2007
4, 31. 2, 52. 4, 29, 0. 2741 , 14: 23: 16 , 30-Nov-2007
5, 36. 3, 51. 8, 29, 0. 2418 , 14: 38: 16 , 30-Nov-2007
6, 28. 6, 51. 1, 30, 0. 2293 , 14: 53: 16 , 30-Nov-2007

```

```

"Model Number", "DataRAM 4 ", 104
"Serial no. ", "D097 "
"Device no. ", 1
"Tag Number ", 6
"Start Time ", 08:30:05
"Start Date ", 03-Dec-2007
"Log Period ", 00:15:00
"Number ", 6
"Cal Factor ", 1.000000
"Unit ", 0
"Unit Name ", "(MASS )ug/m3"
"SIZE_CORRECT", "ENABLED"
"TEMPUNITS ", F
"Max MASS ", 38.891830
"Max MASS @ ", 1, 08:45:05, 03-Dec-2007
"Avg MASS ", 30.039140
"Max Diam ", 0.981324
"Max Diam @ ", 4, 09:30:05, 03-Dec-2007
"Avg Diam ", 0.890671
"ALARM ", "ENABLED"
"ALARM_LEVEL ", 100.0
"AUTO_ZERO ", "ENABLED"
"AZ INTERVAL ", 2
"Errors ", 0000
record, "(MASS )ug/m3", Temp, RHumidity, Diameter
1, 38.9, 44.9, 51, 0.7575, 08:45:05, 03-Dec-2007
2, 33.9, 45.1, 63, 0.8383, 09:00:05, 03-Dec-2007
3, 32.2, 46.0, 66, 0.9226, 09:15:05, 03-Dec-2007
4, 31.6, 46.6, 67, 0.9813, 09:30:05, 03-Dec-2007
5, 22.4, 46.9, 67, 0.9467, 09:45:05, 03-Dec-2007
6, 21.2, 47.1, 66, 0.8976, 10:00:05, 03-Dec-2007

```



```

"Model Number" , "DataRAM 4 " , 104
"Serial no." , "D543"
"Device no." , 2
"Tag Number" , 4
"Start Time" , 08:27:16
"Start Date" , 03-Dec-2007
"Log Period" , 00:15:00
"Number" , 6
"Cal Factor" , 1.000000
"Unit" , 0
"Unit Name" , "(MASS )ug/m3"
"SIZE_CORRECT" , "ENABLED"
"TEMPUNITS" , F
"Max MASS" , 39.149060
"Max MASS @" , 1 , 08:42:16 , 03-Dec-2007
"Avg MASS" , 32.156510
"Max Di am" , 0.337385
"Max Di am @" , 3 , 09:12:16 , 03-Dec-2007
"Avg Di am" , 0.293919
"ALARM" , "ENABLED"
"ALARM_LEVEL" , 100.0
"AUTO_ZERO" , "ENABLED"
"AZ INTERVAL" , 1
"Errors" , 0000
record, "(MASS )ug/m3", Temp, RHumi di ty, Di ameter
1, 39.1, 54.8, 41, 0.2925 , 08:42:16 , 03-Dec-2007
2, 36.0, 52.6, 50, 0.3068 , 08:57:16 , 03-Dec-2007
3, 28.1, 52.0, 54, 0.3374 , 09:12:16 , 03-Dec-2007
4, 30.8, 51.8, 56, 0.3264 , 09:27:16 , 03-Dec-2007
5, 31.1, 52.0, 57, 0.2860 , 09:42:16 , 03-Dec-2007
6, 27.9, 52.5, 56, 0.2144 , 09:57:16 , 03-Dec-2007

```



```

"Model Number" , "DataRAM 4 " , 104
"Serial no." , "D543"
"Device no." , 2
"Tag Number" , 2
"Start Time" , 11: 41: 11
"Start Date" , 14-Jan-2008
"Log Period" , 00: 15: 00
"Number" , 1
"Cal Factor" , 1. 000000
"Unit" , 0
"Unit Name" , "(MASS )ug/m3"
"SIZE_CORRECT" , "ENABLED"
"TEMPUNITS" , F
"Max MASS" , 17. 373220
"Max MASS @" , 1 , 11: 56: 11 , 14-Jan-2008
"Avg MASS" , 17. 373220
"Max Di am" , 0. 301440
"Max Di am @" , 1 , 11: 56: 11 , 14-Jan-2008
"Avg Di am" , 0. 301440
"ALARM" , "ENABLED"
"ALARM_LEVEL" , 100. 0
"AUTO_ZERO" , "ENABLED"
"AZ INTERVAL" , 1
"Errors" , 0000
record, "(MASS )ug/m3", Temp, RHumi di ty, Di ameter
1, 17. 4, 43. 0, 38, 0. 3014 , 11: 56: 11 , 14-Jan-2008

```



```

"Model Number", "DataRAM 4 ", 104
"Serial no.", "D543"
"Device no.", 2
"Tag Number", 3
"Start Time", 13: 30: 00
"Start Date", 14-Jan-2008
"Log Period", 00: 15: 00
"Number", 6
"Cal Factor", 1. 000000
"Unit", 0
"Unit Name", "(MASS )ug/m3"
"SIZE_CORRECT", "ENABLED"
"TEMPUNITS", F
"Max MASS", 35. 249100
"Max MASS @", 1 , 13: 45: 00 , 14-Jan-2008
"Avg MASS", 28. 461240
"Max Di am", 0. 257509
"Max Di am @", 4 , 14: 30: 00 , 14-Jan-2008
"Avg Di am", 0. 235035
"ALARM", "ENABLED"
"ALARM_LEVEL", 100. 0
"AUTO_ZERO", "ENABLED"
"AZ INTERVAL", 1
"Errors", 0000
record, "(MASS )ug/m3", Temp, RHumi di ty, Di ameter
1, 35. 2, 41. 5, 54, 0. 2287 , 13: 45: 00 , 14-Jan-2008
2, 34. 6, 41. 5, 58, 0. 2524 , 14: 00: 00 , 14-Jan-2008
3, 23. 1, 41. 6, 59, 0. 2433 , 14: 15: 00 , 14-Jan-2008
4, 23. 5, 41. 6, 60, 0. 2575 , 14: 30: 00 , 14-Jan-2008
5, 23. 8, 41. 7, 60, 0. 2161 , 14: 45: 00 , 14-Jan-2008
6, 30. 6, 41. 6, 61, 0. 2122 , 15: 00: 00 , 14-Jan-2008

```



```

"Model Number", "DataRAM 4 ", 104
"Serial no.", "D088"
"Device no.", 1
"Tag Number", 0
"Start Time", 09: 23: 45
"Start Date", 15-Jan-2008
"Log Period", 00: 15: 00
"Number", 3
"Cal Factor", 1. 000000
"Unit", 0
"Unit Name", "(MASS )ug/m3"
"SIZE_CORRECT", "ENABLED"
"TEMPUNITS", F
"Max MASS", 28. 082630
"Max MASS @", 2 , 09: 53: 45 , 15-Jan-2008
"Avg MASS", 27. 523670
"Max Di am", 0. 333003
"Max Di am @", 3 , 10: 08: 45 , 15-Jan-2008
"Avg Di am", 0. 330348
"ALARM", "ENABLED"
"ALARM_LEVEL", 100. 0
"AUTO_ZERO", "ENABLED"
"AZ INTERVAL", 1
"Errors", 0000
record, "(MASS )ug/m3", Temp, RHumi di ty, Di ameter
1, 27. 3, 52. 4, 40, 0. 3266 , 09: 38: 45 , 15-Jan-2008
2, 28. 1, 49. 6, 43, 0. 3315 , 09: 53: 45 , 15-Jan-2008
3, 27. 1, 47. 8, 44, 0. 3330 , 10: 08: 45 , 15-Jan-2008

```



```

"Model Number" , "DataRAM 4 " , 104
"Serial no." , "D543 "
"Device no." , 2
"Tag Number" , 4
"Start Time" , 08: 30: 41
"Start Date" , 15-Jan-2008
"Log Period" , 00: 15: 00
"Number" , 1
"Cal Factor" , 1. 000000
"Unit" , 0
"Unit Name" , "(MASS )ug/m3"
"SIZE_CORRECT" , "ENABLED"
"TEMPUNITS" , F
"Max MASS" , 55. 928340
"Max MASS @" , 1 , 08: 45: 41 , 15-Jan-2008
"Avg MASS" , 55. 928340
"Max Di am" , 0. 175010
"Max Di am @" , 1 , 08: 45: 41 , 15-Jan-2008
"Avg Di am" , 0. 175010
"ALARM" , "ENABLED"
"ALARM_LEVEL" , 100. 0
"AUTO_ZERO" , "ENABLED"
"AZ INTERVAL" , 1
"Errors" , 0000
record, "(MASS )ug/m3", Temp, RHumi di ty, Di ameter
1, 55. 9, 56. 5, 43, 0. 1750 , 08: 45: 41 , 15-Jan-2008

```



```

"Model Number", "DataRAM 4 ", 104
"Serial no.", "D088"
"Device no.", 1
"Tag Number", 1
"Start Time", 10: 22: 23
"Start Date", 15-Jan-2008
"Log Period", 00: 15: 00
"Number", 19
"Cal Factor", 1. 000000
"Unit", 0
"Unit Name", "(MASS )ug/m3"
"SIZE_CORRECT", "ENABLED"
"TEMPUNITS", F
"Max MASS", 31. 914080
"Max MASS @", 4 , 11: 22: 23 , 15-Jan-2008
"Avg MASS", 25. 382910
"Max Di am", 0. 384727
"Max Di am @", 4 , 11: 22: 23 , 15-Jan-2008
"Avg Di am", 0. 321993
"ALARM", "ENABLED"
"ALARM_LEVEL", 100. 0
"AUTO_ZERO", "ENABLED"
"AZ INTERVAL", 1
"Errors", 1000
record, "(MASS )ug/m3", Temp, RHumi di ty, Di ameter
1, 29. 1, 45. 7, 45, 0. 3520 , 10: 37: 23 , 15-Jan-2008
2, 30. 2, 45. 0, 46, 0. 3608 , 10: 52: 23 , 15-Jan-2008
3, 31. 2, 44. 5, 46, 0. 3729 , 11: 07: 23 , 15-Jan-2008
4, 31. 9, 44. 1, 47, 0. 3847 , 11: 22: 23 , 15-Jan-2008
5, 27. 7, 44. 2, 48, 0. 3442 , 11: 37: 23 , 15-Jan-2008
6, 26. 1, 44. 4, 48, 0. 3128 , 11: 52: 23 , 15-Jan-2008
7, 26. 7, 44. 4, 47, 0. 3250 , 12: 07: 23 , 15-Jan-2008
8, 27. 0, 43. 8, 47, 0. 3378 , 12: 22: 23 , 15-Jan-2008
9, 27. 7, 43. 0, 48, 0. 3443 , 12: 37: 23 , 15-Jan-2008
10, 28. 2, 42. 5, 48, 0. 3495 , 12: 52: 23 , 15-Jan-2008
11, 27. 1, 42. 4, 49, 0. 3403 , 13: 07: 23 , 15-Jan-2008
12, 26. 5, 42. 9, 49, 0. 3513 , 13: 22: 23 , 15-Jan-2008
13, 19. 7, 43. 5, 49, 0. 3060 , 13: 37: 23 , 15-Jan-2008
14, 20. 5, 43. 4, 48, 0. 2591 , 13: 52: 23 , 15-Jan-2008
15, 20. 4, 43. 0, 48, 0. 2760 , 14: 07: 23 , 15-Jan-2008
16, 21. 0, 42. 9, 48, 0. 2843 , 14: 22: 23 , 15-Jan-2008
17, 20. 1, 42. 6, 48, 0. 2931 , 14: 37: 23 , 15-Jan-2008
18, 20. 0, 42. 2, 48, 0. 2636 , 14: 52: 23 , 15-Jan-2008
19, 20. 9, 41. 6, 49, 0. 2602 , 15: 07: 23 , 15-Jan-2008

```



```

"Model Number", "DataRAM 4 ", 104
"Serial no.", "D088"
"Device no.", 1
"Tag Number", 2
"Start Time", 12: 54: 39
"Start Date", 16-Jan-2008
"Log Period", 00: 15: 00
"Number", 4
"Cal Factor", 1. 000000
"Unit", 0
"Unit Name", "(MASS )ug/m3"
"SIZE_CORRECT", "ENABLED"
"TEMPUNITS", F
"Max MASS", 3. 321728
"Max MASS @", 4 , 13: 54: 39 , 16-Jan-2008
"Avg MASS", 2. 846055
"Max Di am", 0. 457467
"Max Di am @", 1 , 13: 09: 39 , 16-Jan-2008
"Avg Di am", 0. 422233
"ALARM", "ENABLED"
"ALARM_LEVEL", 100. 0
"AUTO_ZERO", "ENABLED"
"AZ INTERVAL", 1
"Errors", 0000
record, "(MASS )ug/m3", Temp, RHumi di ty, Di ameter
1, 2. 7, 57. 8, 29, 0. 4575 , 13: 09: 39 , 16-Jan-2008
2, 2. 6, 55. 7, 29, 0. 4088 , 13: 24: 39 , 16-Jan-2008
3, 2. 8, 54. 3, 29, 0. 4188 , 13: 39: 39 , 16-Jan-2008
4, 3. 3, 53. 6, 30, 0. 4039 , 13: 54: 39 , 16-Jan-2008

```

```

"Model Number", "DataRAM 4 ", 104
"Serial no.", "D543"
"Device no.", 2
"Tag Number", 5
"Start Time", 13: 03: 22
"Start Date", 16-Jan-2008
"Log Period", 00: 15: 00
"Number", 3
"Cal Factor", 1. 000000
"Unit", 0
"Unit Name", "(MASS )ug/m3"
"SIZE_CORRECT", "ENABLED"
"TEMPUNITS", F
"Max MASS", 7. 744004
"Max MASS @", 1 , 13: 18: 22 , 16-Jan-2008
"Avg MASS", 5. 530572
"Max Di am", 0. 372757
"Max Di am @", 1 , 13: 18: 22 , 16-Jan-2008
"Avg Di am", 0. 357949
"ALARM", "ENABLED"
"ALARM_LEVEL", 100. 0
"AUTO_ZERO", "ENABLED"
"AZ INTERVAL", 1
"Errors", 0000
record, "(MASS )ug/m3", Temp, RHumi di ty, Di ameter
1, 7. 7, 48. 4, 35, 0. 3728 , 13: 18: 22 , 16-Jan-2008
2, 5. 0, 49. 4, 33, 0. 3570 , 13: 33: 22 , 16-Jan-2008
3, 3. 9, 49. 2, 31, 0. 3441 , 13: 48: 22 , 16-Jan-2008

```

```

"Model Number" , "DataRAM 4 " , 104
"Serial no." , "D088"
"Device no." , 1
"Tag Number" , 3
"Start Time" , 09: 50: 19
"Start Date" , 05-Feb-2008
"Log Period" , 00: 15: 00
"Number" , 3
"Cal Factor" , 1. 000000
"Unit" , 0
"Unit Name" , "(MASS )ug/m3"
"SIZE_CORRECT" , "ENABLED"
"TEMPUNITS" , F
"Max MASS" , 78. 107630
"Max MASS @" , 3 , 10: 35: 19 , 05-Feb-2008
"Avg MASS" , 77. 261190
"Max Di am" , 0. 576440
"Max Di am @" , 3 , 10: 35: 19 , 05-Feb-2008
"Avg Di am" , 0. 563140
"ALARM" , "ENABLED"
"ALARM_LEVEL" , 100. 0
"AUTO_ZERO" , "ENABLED"
"AZ INTERVAL" , 1
"Errors" , 0000
record, "(MASS )ug/m3", Temp, RHumi di ty, Di ameter
  1, 77. 2, 59. 7, 47, 0. 5597 , 10: 05: 19 , 05-Feb-2008
  2, 76. 5, 58. 0, 54, 0. 5533 , 10: 20: 19 , 05-Feb-2008
  3, 78. 1, 56. 3, 57, 0. 5764 , 10: 35: 19 , 05-Feb-2008

```



```

"Model Number" , "DataRAM 4 " , 104
"Serial no." , "D543"
"Device no." , 2
"Tag Number" , 6
"Start Time" , 09: 49: 48
"Start Date" , 05-Feb-2008
"Log Period" , 00: 15: 00
"Number" , 3
"Cal Factor" , 1. 000000
"Unit" , 0
"Unit Name" , "(MASS )ug/m3"
"SIZE_CORRECT" , "ENABLED"
"TEMPUNITS" , F
"Max MASS" , 70. 041980
"Max MASS @" , 2 , 10: 19: 48 , 05-Feb-2008
"Avg MASS" , 68. 429110
"Max Di am" , 0. 350574
"Max Di am @" , 3 , 10: 34: 48 , 05-Feb-2008
"Avg Di am" , 0. 332221
"ALARM" , "ENABLED"
"ALARM_LEVEL" , 100. 0
"AUTO_ZERO" , "ENABLED"
"AZ INTERVAL" , 1
"Errors" , 0000
record, "(MASS )ug/m3", Temp, RHumi di ty, Di ameter
1, 66. 5, 59. 9, 41, 0. 3167 , 10: 04: 48 , 05-Feb-2008
2, 70. 0, 59. 2, 52, 0. 3294 , 10: 19: 48 , 05-Feb-2008
3, 68. 7, 58. 1, 56, 0. 3506 , 10: 34: 48 , 05-Feb-2008

```



**PHOTOIONIZATION DETECTOR (PID) READINGS**

1. 11/19/07 WZ-1: East Wall Demolition - Periodic Monitoring Page C-18
2. 11/20/07 WZ-1: East Wall Demolition - Periodic Monitoring Page C-19
3. 11/26/07 WZ-1: East Wall Demolition - Periodic Monitoring Page C-21
4. 11/28/07 WZ-1: East Wall Demolition - Periodic Monitoring Page C-22
5. 11/30/07 WZ-1: Excavation - East Wall - Continuous Monitoring Page C-23
6. 12/03/07 WZ-1: Excavation - East Wall - Continuous Monitoring Page C-27
7. 01/14/08 WZ-4: Excavation - West Wall - Continuous Monitoring Page C-29
8. 01/15/08 WZ-4: Excavation - West Wall - Continuous Monitoring Page C-32
9. 01/15/08 WZ-3: Excavation - West Wall - Continuous Monitoring Page C-35
10. 01/16/08 WZ-2: Excavation - CB-1 # 3 - Continuous Monitoring Page C-40
11. 02/04/08 WZ-1: Excavation - CB-1 # 8 - Continuous Monitoring Page C-42
12. 02/04/08 WZ-5: Excavation - CB-1 # 7 - Continuous Monitoring Page C-43
13. 02/05/08 WZ-4: Excavation - CB Trenches - Continuous Monitoring Page C-45

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: 00000027  
 Data Points: 1 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0      100.0      100.0
Low Alarm Levels:     50.0       50.0       50.0
=====
```

```
=====
Line#      Date  Time      Min(ppm)      Avg(ppm)      Max(ppm)
=====
1  11/19/2007 13:46      -----      0.0          0.0
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: 00000027  
 Data Points: 1 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0      100.0      100.0
Low Alarm Levels:     50.0       50.0       50.0
=====
```

```
=====
Line#      Date  Time      Min(ppm)      Avg(ppm)      Max(ppm)
=====
1  11/19/2007 13:57      -----      0.0          0.0
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: 00000027  
 Data Points: 3 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0      100.0      100.0
Low Alarm Levels:     50.0       50.0       50.0
=====
```

```
=====
Line#      Date  Time      Min(ppm)      Avg(ppm)      Max(ppm)
=====
1  11/19/2007 14:27      -----      0.0          0.0
2  11/19/2007 14:28      -----      0.0          0.0
3  11/19/2007 14:29      -----      0.0          0.0
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: 00000027  
 Data Points: 1 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:          Min(ppm)          Avg(ppm)          Max(ppm)
High Alarm Levels:        100.0           100.0           100.0
Low Alarm Levels:         50.0            50.0            50.0
=====
```

```
=====
Line#      Date   Time           Min(ppm)          Avg(ppm)          Max(ppm)
=====
   1  11/20/2007 07:14           -----           0.0              0.0
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: 00000027  
 Data Points: 3 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:          Min(ppm)          Avg(ppm)          Max(ppm)
High Alarm Levels:        100.0           100.0           100.0
Low Alarm Levels:         50.0            50.0            50.0
=====
```

```
=====
Line#      Date   Time           Min(ppm)          Avg(ppm)          Max(ppm)
=====
   1  11/20/2007 08:08           -----           0.0              0.0
   2  11/20/2007 08:09           -----           0.0              0.0
   3  11/20/2007 08:10           -----           0.0              0.0
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: 00000027  
 Data Points: 5 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:          Min(ppm)          Avg(ppm)          Max(ppm)
High Alarm Levels:        100.0           100.0           100.0
Low Alarm Levels:         50.0            50.0            50.0
=====
```

```
=====
Line#      Date   Time           Min(ppm)          Avg(ppm)          Max(ppm)
=====
   1  11/20/2007 08:24           -----           0.0              0.0
   2  11/20/2007 08:25           -----           0.0              0.0
   3  11/20/2007 08:26           -----           0.0              0.0
   4  11/20/2007 08:27           -----           0.0              0.0
   5  11/20/2007 08:28           -----           0.0              0.0
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: 00000027  
 Data Points: 5 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
=====
```

```
=====
Line#    Date   Time      Min(ppm)      Avg(ppm)      Max(ppm)
=====
  1  11/20/2007 09:34      -----      0.0          0.0
  2  11/20/2007 09:35      -----      0.0          0.0
  3  11/20/2007 09:36      -----      0.0          0.0
  4  11/20/2007 09:37      -----      0.0          0.0
  5  11/20/2007 09:38      -----      0.0          0.0
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: 00000027  
 Data Points: 9 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
=====
```

```
=====
Line#    Date   Time      Min(ppm)      Avg(ppm)      Max(ppm)
=====
  1  11/20/2007 10:08      -----      0.0          0.0
  2  11/20/2007 10:09      -----      0.0          0.0
  3  11/20/2007 10:10      -----      0.0          0.0
  4  11/20/2007 10:11      -----      0.0          0.0
  5  11/20/2007 10:12      -----      0.0          0.0
  6  11/20/2007 10:13      -----      0.0          0.0
  7  11/20/2007 10:14      -----      0.0          0.0
  8  11/20/2007 10:15      -----      0.0          0.0
  9  11/20/2007 10:16      -----      0.0          0.0
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: 00000027  
 Data Points: 4 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
=====
```

```
=====
Line#    Date   Time      Min(ppm)      Avg(ppm)      Max(ppm)
=====
  1  11/20/2007 11:31      -----      0.0          0.0
  2  11/20/2007 11:32      -----      0.0          0.0
  3  11/20/2007 11:33      -----      0.0          0.0
  4  11/20/2007 11:34      -----      0.0          0.0
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: 00000027  
 Data Points: 3 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```

=====
Measurement Type:          Min(ppm)          Avg(ppm)          Max(ppm)
High Alarm Levels:        100.0          100.0          100.0
Low Alarm Levels:         50.0           50.0           50.0
=====

```

```

=====
Line#      Date   Time           Min(ppm)          Avg(ppm)          Max(ppm)
=====
1  11/26/2007 07:18          -----          0.0           0.0
2  11/26/2007 07:19          -----          0.0           0.0
3  11/26/2007 07:20          -----          0.0           0.0
=====

```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: 00E0WALL  
 Data Points: 4 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:          Min(ppm)          Avg(ppm)          Max(ppm)
High Alarm Levels:        100.0          100.0          100.0
Low Alarm Levels:         50.0           50.0           50.0
=====
```

```
=====
Line#    Date   Time           Min(ppm)          Avg(ppm)          Max(ppm)
=====
  1  11/28/2007 07:20          -----          0.0           0.0
  2  11/28/2007 07:21          -----          0.0           0.0
  3  11/28/2007 07:22          -----          0.0           0.0
  4  11/28/2007 07:23          -----          0.0           0.0
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: 00E0WALL  
 Data Points: 2 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:          Min(ppm)          Avg(ppm)          Max(ppm)
High Alarm Levels:        100.0          100.0          100.0
Low Alarm Levels:         50.0           50.0           50.0
=====
```

```
=====
Line#    Date   Time           Min(ppm)          Avg(ppm)          Max(ppm)
=====
  1  11/28/2007 14:30          -----          0.0           0.0
  2  11/28/2007 14:31          -----          0.0           0.0
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: 00E0WALL  
 Data Points: 4 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:          Min(ppm)          Avg(ppm)          Max(ppm)
Alarm Type:                STEL   TWA   AVG   STEL   TWA   AVG   STEL   TWA   AVG
Alarm Levels:              25.0  10.0          25.0  10.0          25.0  10.0
=====
```

```
=====
Line#    Date   Time           Min(ppm)          Avg(ppm)          Max(ppm)
=====
  1  11/28/2007 07:20          -----          0.0           0.0
  2  11/28/2007 07:21          -----          0.0           0.0
  3  11/28/2007 07:22          -----          0.0           0.0
  4  11/28/2007 07:23          -----          0.0           0.0
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: WZ10EAST  
 Data Points: 3 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```

=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
=====

```

```

=====
Line#    Date   Time      Min(ppm)      Avg(ppm)      Max(ppm)
=====
  1  11/30/2007 09:45      -----      0.0          0.0
  2  11/30/2007 09:46      -----      0.0          0.0
  3  11/30/2007 09:47      -----      0.0          0.0
=====

```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: WZ10EAST  
 Data Points: 6 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```

=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
=====

```

```

=====
Line#    Date   Time      Min(ppm)      Avg(ppm)      Max(ppm)
=====
  1  11/30/2007 09:55      -----      0.0          0.7
  2  11/30/2007 09:56      -----      0.0          0.5
  3  11/30/2007 09:57      -----      0.0          0.0
  4  11/30/2007 09:58      -----      0.0          0.3
  5  11/30/2007 09:59      -----      0.0          0.1
  6  11/30/2007 10:00      -----      0.0          0.0
=====

```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: WZ10EAST  
 Data Points: 14 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```

=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
=====

```

```

=====
Line#    Date   Time      Min(ppm)      Avg(ppm)      Max(ppm)
=====
  1  11/30/2007 10:54      -----      0.0          0.0
  2  11/30/2007 10:55      -----      0.0          0.0
  3  11/30/2007 10:56      -----      0.0          0.0
  4  11/30/2007 10:57      -----      0.0          0.0
  5  11/30/2007 10:58      -----      0.0          0.0
  6  11/30/2007 10:59      -----      0.0          0.0
  7  11/30/2007 11:00      -----      0.0          0.0
  8  11/30/2007 11:01      -----      0.0          0.0
  9  11/30/2007 11:02      -----      0.0          0.0
 10  11/30/2007 11:03      -----      0.0          0.0
 11  11/30/2007 11:04      -----      0.0          0.0
=====

```



23	11/30/2007	13:37	-----	0.0	0.0
24	11/30/2007	13:38	-----	0.0	0.0
25	11/30/2007	13:39	-----	0.0	0.0
26	11/30/2007	13:40	-----	0.0	0.0
27	11/30/2007	13:41	-----	0.0	0.0
28	11/30/2007	13:42	-----	0.0	0.0
29	11/30/2007	13:43	-----	0.0	0.0
30	11/30/2007	13:44	-----	0.0	0.0
31	11/30/2007	13:45	-----	0.0	0.0
32	11/30/2007	13:46	-----	0.0	0.0
33	11/30/2007	13:47	-----	0.0	0.0
34	11/30/2007	13:48	-----	0.0	0.0
35	11/30/2007	13:49	-----	0.0	0.0
36	11/30/2007	13:50	-----	0.0	0.0
37	11/30/2007	13:51	-----	0.0	0.0
38	11/30/2007	13:52	-----	0.0	0.0
39	11/30/2007	13:53	-----	0.0	0.0
40	11/30/2007	13:54	-----	0.0	0.1
41	11/30/2007	13:55	-----	0.0	0.0
42	11/30/2007	13:56	-----	0.0	0.0
43	11/30/2007	13:57	-----	0.0	0.0
44	11/30/2007	13:58	-----	0.0	0.1
45	11/30/2007	13:59	-----	0.0	0.1
46	11/30/2007	14:00	-----	0.0	0.0
47	11/30/2007	14:01	-----	0.0	0.0
48	11/30/2007	14:02	-----	0.0	0.9
49	11/30/2007	14:03	-----	0.0	0.0
50	11/30/2007	14:04	-----	0.0	0.0
51	11/30/2007	14:05	-----	0.0	0.2
52	11/30/2007	14:06	-----	0.0	0.1
53	11/30/2007	14:07	-----	0.0	0.2
54	11/30/2007	14:08	-----	0.0	0.0
55	11/30/2007	14:09	-----	0.0	0.1
56	11/30/2007	14:10	-----	0.0	0.3
57	11/30/2007	14:11	-----	0.0	0.2
58	11/30/2007	14:12	-----	0.0	0.2
59	11/30/2007	14:13	-----	0.0	0.1
60	11/30/2007	14:14	-----	0.0	0.0
61	11/30/2007	14:15	-----	0.0	0.1
62	11/30/2007	14:16	-----	0.0	0.1
63	11/30/2007	14:17	-----	0.0	0.1
64	11/30/2007	14:18	-----	0.0	0.1
65	11/30/2007	14:19	-----	0.0	0.3
66	11/30/2007	14:20	-----	0.0	0.1
67	11/30/2007	14:21	-----	0.0	0.2
68	11/30/2007	14:22	-----	0.0	0.1
69	11/30/2007	14:23	-----	0.0	0.1
70	11/30/2007	14:24	-----	0.0	0.1
71	11/30/2007	14:25	-----	0.0	0.0
72	11/30/2007	14:26	-----	0.0	0.1
73	11/30/2007	14:27	-----	0.0	0.2
74	11/30/2007	14:28	-----	0.0	0.1
75	11/30/2007	14:29	-----	0.0	0.1
76	11/30/2007	14:30	-----	0.0	0.1
77	11/30/2007	14:31	-----	0.0	0.1
78	11/30/2007	14:32	-----	0.0	0.1
79	11/30/2007	14:33	-----	0.0	0.1
80	11/30/2007	14:34	-----	0.0	0.1
81	11/30/2007	14:35	-----	0.0	0.1
82	11/30/2007	14:36	-----	0.0	0.1

83	11/30/2007	14:37	-----	0.0	0.2
84	11/30/2007	14:38	-----	0.0	0.2
85	11/30/2007	14:39	-----	0.0	0.1
86	11/30/2007	14:40	-----	0.0	0.1
87	11/30/2007	14:41	-----	0.0	0.2
88	11/30/2007	14:42	-----	0.0	0.1
89	11/30/2007	14:43	-----	0.0	0.1
90	11/30/2007	14:44	-----	0.0	0.2

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: WZ10EAST  
 Data Points: 105 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:           Min(ppm)           Avg(ppm)           Max(ppm)
High Alarm Levels:         100.0           100.0           100.0
Low Alarm Levels:          50.0            50.0            50.0
=====
```

```
=====
Line#      Date   Time           Min(ppm)           Avg(ppm)           Max(ppm)
=====
  1 12/03/2007 08:30           -----           0.0           0.0
  2 12/03/2007 08:31           -----           0.0           0.0
  3 12/03/2007 08:32           -----           0.0           0.0
  4 12/03/2007 08:33           -----           0.0           0.0
  5 12/03/2007 08:34           -----           0.0           0.0
  6 12/03/2007 08:35           -----           0.0           0.0
  7 12/03/2007 08:36           -----           0.0           0.0
  8 12/03/2007 08:37           -----           0.0           0.0
  9 12/03/2007 08:38           -----           0.0           0.0
 10 12/03/2007 08:39           -----           0.0           0.0
 11 12/03/2007 08:40           -----           0.0           0.0
 12 12/03/2007 08:41           -----           0.0           0.0
 13 12/03/2007 08:42           -----           0.0           0.0
 14 12/03/2007 08:43           -----           0.0           0.0
 15 12/03/2007 08:44           -----           0.0           0.0
 16 12/03/2007 08:45           -----           0.0           0.0
 17 12/03/2007 08:46           -----           0.0           0.0
 18 12/03/2007 08:47           -----           0.0           0.0
 19 12/03/2007 08:48           -----           0.0           0.0
 20 12/03/2007 08:49           -----           0.0           0.0
 21 12/03/2007 08:50           -----           0.0           0.0
 22 12/03/2007 08:51           -----           0.0           0.0
 23 12/03/2007 08:52           -----           0.0           0.0
 24 12/03/2007 08:53           -----           0.0           0.0
 25 12/03/2007 08:54           -----           0.0           0.0
 26 12/03/2007 08:55           -----           0.0           0.0
 27 12/03/2007 08:56           -----           0.0           0.0
 28 12/03/2007 08:57           -----           0.0           0.0
 29 12/03/2007 08:58           -----           0.0           0.0
 30 12/03/2007 08:59           -----           0.0           0.0
 31 12/03/2007 09:00           -----           0.0           0.0
 32 12/03/2007 09:01           -----           0.0           0.0
 33 12/03/2007 09:02           -----           0.0           0.0
 34 12/03/2007 09:03           -----           0.0           0.0
 35 12/03/2007 09:04           -----           0.0           0.0
 36 12/03/2007 09:05           -----           0.0           0.0
 37 12/03/2007 09:06           -----           0.0           0.0
 38 12/03/2007 09:07           -----           0.0           0.0
 39 12/03/2007 09:08           -----           0.0           0.0
 40 12/03/2007 09:09           -----           0.0           0.0
 41 12/03/2007 09:10           -----           0.0           0.0
 42 12/03/2007 09:11           -----           0.0           0.0
 43 12/03/2007 09:12           -----           0.0           0.0
 44 12/03/2007 09:13           -----           0.0           0.0
 45 12/03/2007 09:14           -----           0.0           0.0
 46 12/03/2007 09:15           -----           0.0           0.0
 47 12/03/2007 09:16           -----           0.0           0.0
 48 12/03/2007 09:17           -----           0.0           0.0
 49 12/03/2007 09:18           -----           0.0           0.0
=====
```

50	12/03/2007	09:19	-----	0.0	0.0
51	12/03/2007	09:20	-----	0.0	0.0
52	12/03/2007	09:21	-----	0.0	0.0
53	12/03/2007	09:22	-----	0.0	0.0
54	12/03/2007	09:23	-----	0.0	0.0
55	12/03/2007	09:24	-----	0.0	0.0
56	12/03/2007	09:25	-----	0.0	0.0
57	12/03/2007	09:26	-----	0.0	0.0
58	12/03/2007	09:27	-----	0.0	0.0
59	12/03/2007	09:28	-----	0.0	0.0
60	12/03/2007	09:29	-----	0.0	0.0
61	12/03/2007	09:30	-----	0.0	0.0
62	12/03/2007	09:31	-----	0.0	0.0
63	12/03/2007	09:32	-----	0.0	0.0
64	12/03/2007	09:33	-----	0.0	0.0
65	12/03/2007	09:34	-----	0.0	0.0
66	12/03/2007	09:35	-----	0.0	0.0
67	12/03/2007	09:36	-----	0.0	0.0
68	12/03/2007	09:37	-----	0.0	0.0
69	12/03/2007	09:38	-----	0.0	0.0
70	12/03/2007	09:39	-----	0.0	0.0
71	12/03/2007	09:40	-----	0.0	0.0
72	12/03/2007	09:41	-----	0.0	0.0
73	12/03/2007	09:42	-----	0.0	0.0
74	12/03/2007	09:43	-----	0.0	0.0
75	12/03/2007	09:44	-----	0.0	0.0
76	12/03/2007	09:45	-----	0.0	0.0
77	12/03/2007	09:46	-----	0.0	0.0
78	12/03/2007	09:47	-----	0.0	0.0
79	12/03/2007	09:48	-----	0.0	0.0
80	12/03/2007	09:49	-----	0.0	0.0
81	12/03/2007	09:50	-----	0.0	0.0
82	12/03/2007	09:51	-----	0.0	0.0
83	12/03/2007	09:52	-----	0.0	0.1
84	12/03/2007	09:53	-----	0.0	0.0
85	12/03/2007	09:54	-----	0.0	0.0
86	12/03/2007	09:55	-----	0.0	0.0
87	12/03/2007	09:56	-----	0.0	0.0
88	12/03/2007	09:57	-----	0.0	0.0
89	12/03/2007	09:58	-----	0.0	0.0
90	12/03/2007	09:59	-----	0.0	0.0
91	12/03/2007	10:00	-----	0.0	0.0
92	12/03/2007	10:01	-----	0.0	0.0
93	12/03/2007	10:02	-----	0.0	0.0
94	12/03/2007	10:03	-----	0.0	0.0
95	12/03/2007	10:04	-----	0.0	0.0
96	12/03/2007	10:05	-----	0.0	0.0
97	12/03/2007	10:06	-----	0.0	0.0
98	12/03/2007	10:07	-----	0.0	0.0
99	12/03/2007	10:08	-----	0.0	0.0
100	12/03/2007	10:09	-----	0.0	0.1
101	12/03/2007	10:10	-----	0.0	0.1
102	12/03/2007	10:11	-----	0.0	0.1
103	12/03/2007	10:12	-----	0.0	0.1
104	12/03/2007	10:13	-----	0.0	0.1
105	12/03/2007	10:14	-----	0.0	0.1

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: WZ40WEST  
 Data Points: 15 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
=====
```

```
=====
Line#      Date   Time      Min(ppm)      Avg(ppm)      Max(ppm)
=====
  1  01/14/2008 07:36      -----      0.0          0.0
  2  01/14/2008 07:37      -----      0.0          0.0
  3  01/14/2008 07:38      -----      0.0          0.0
  4  01/14/2008 07:39      -----      0.0          0.0
  5  01/14/2008 07:40      -----      0.0          0.0
  6  01/14/2008 07:41      -----      0.0          0.0
  7  01/14/2008 07:42      -----      0.0          0.0
  8  01/14/2008 07:43      -----      0.0          0.0
  9  01/14/2008 07:44      -----      0.0          0.0
 10  01/14/2008 07:45      -----      0.0          0.0
 11  01/14/2008 07:46      -----      0.0          0.0
 12  01/14/2008 07:47      -----      0.1          1.1
 13  01/14/2008 07:48      -----      0.0          0.3
 14  01/14/2008 07:49      -----      0.0          0.0
 15  01/14/2008 07:50      -----      0.0          0.0
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: WZ40WEST  
 Data Points: 6 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
=====
```

```
=====
Line#      Date   Time      Min(ppm)      Avg(ppm)      Max(ppm)
=====
  1  01/14/2008 11:16      -----      0.0          0.0
  2  01/14/2008 11:17      -----      0.0          0.3
  3  01/14/2008 11:18      -----      0.0          0.0
  4  01/14/2008 11:19      -----      0.0          0.0
  5  01/14/2008 11:20      -----      0.0          0.0
  6  01/14/2008 11:21      -----      0.0          0.0
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: WZ40WEST  
 Data Points: 117 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
=====
```

```
=====
Line#      Date   Time      Min(ppm)      Avg(ppm)      Max(ppm)
=====
  1  01/14/2008 13:02      -----      0.0          0.0
=====
```

2	01/14/2008	13:03	-----	0.0	0.0
3	01/14/2008	13:04	-----	0.0	0.1
4	01/14/2008	13:05	-----	0.0	0.0
5	01/14/2008	13:06	-----	0.0	0.0
6	01/14/2008	13:07	-----	0.0	0.0
7	01/14/2008	13:08	-----	0.0	0.0
8	01/14/2008	13:09	-----	0.0	0.0
9	01/14/2008	13:10	-----	0.0	0.0
10	01/14/2008	13:11	-----	0.0	0.0
11	01/14/2008	13:12	-----	0.0	0.0
12	01/14/2008	13:13	-----	0.0	0.0
13	01/14/2008	13:14	-----	0.0	0.0
14	01/14/2008	13:15	-----	0.0	0.0
15	01/14/2008	13:16	-----	0.0	0.0
16	01/14/2008	13:17	-----	0.0	0.0
17	01/14/2008	13:18	-----	0.0	0.0
18	01/14/2008	13:19	-----	0.0	0.0
19	01/14/2008	13:20	-----	0.0	0.0
20	01/14/2008	13:21	-----	0.0	0.0
21	01/14/2008	13:22	-----	0.0	0.0
22	01/14/2008	13:23	-----	0.0	0.0
23	01/14/2008	13:24	-----	0.0	0.0
24	01/14/2008	13:25	-----	0.0	0.0
25	01/14/2008	13:26	-----	0.0	0.0
26	01/14/2008	13:27	-----	0.0	0.0
27	01/14/2008	13:28	-----	0.0	0.0
28	01/14/2008	13:29	-----	0.0	0.0
29	01/14/2008	13:30	-----	0.0	0.0
30	01/14/2008	13:31	-----	0.0	0.0
31	01/14/2008	13:32	-----	0.0	0.1
32	01/14/2008	13:33	-----	0.0	0.1
33	01/14/2008	13:34	-----	0.0	0.1
34	01/14/2008	13:35	-----	0.0	0.1
35	01/14/2008	13:36	-----	0.0	0.1
36	01/14/2008	13:37	-----	0.0	0.1
37	01/14/2008	13:38	-----	0.0	0.0
38	01/14/2008	13:39	-----	0.0	0.0
39	01/14/2008	13:40	-----	0.0	0.0
40	01/14/2008	13:41	-----	0.0	0.0
41	01/14/2008	13:42	-----	0.0	0.1
42	01/14/2008	13:43	-----	0.0	0.0
43	01/14/2008	13:44	-----	0.0	0.1
44	01/14/2008	13:45	-----	0.0	0.5
45	01/14/2008	13:46	-----	0.0	0.1
46	01/14/2008	13:47	-----	0.0	0.1
47	01/14/2008	13:48	-----	0.0	0.1
48	01/14/2008	13:49	-----	0.0	0.1
49	01/14/2008	13:50	-----	0.0	0.1
50	01/14/2008	13:51	-----	0.0	0.0
51	01/14/2008	13:52	-----	0.0	0.1
52	01/14/2008	13:53	-----	0.0	0.1
53	01/14/2008	13:54	-----	0.0	0.2
54	01/14/2008	13:55	-----	0.0	0.1
55	01/14/2008	13:56	-----	0.0	0.2
56	01/14/2008	13:57	-----	0.0	0.1
57	01/14/2008	13:58	-----	0.0	0.1
58	01/14/2008	13:59	-----	0.0	0.1
59	01/14/2008	14:00	-----	0.0	0.1
60	01/14/2008	14:01	-----	0.0	0.1
61	01/14/2008	14:02	-----	0.0	0.1

62	01/14/2008	14:03	-----	0.0	0.1
63	01/14/2008	14:04	-----	0.0	0.1
64	01/14/2008	14:05	-----	0.0	0.1
65	01/14/2008	14:06	-----	0.0	0.1
66	01/14/2008	14:07	-----	0.0	0.0
67	01/14/2008	14:08	-----	0.0	0.1
68	01/14/2008	14:09	-----	0.0	0.1
69	01/14/2008	14:10	-----	0.0	0.1
70	01/14/2008	14:11	-----	0.0	0.1
71	01/14/2008	14:12	-----	0.0	0.1
72	01/14/2008	14:13	-----	0.0	0.1
73	01/14/2008	14:14	-----	0.0	0.1
74	01/14/2008	14:15	-----	0.0	0.2
75	01/14/2008	14:16	-----	0.0	0.1
76	01/14/2008	14:17	-----	0.0	0.0
77	01/14/2008	14:18	-----	0.0	0.0
78	01/14/2008	14:19	-----	0.0	0.0
79	01/14/2008	14:20	-----	0.0	0.1
80	01/14/2008	14:21	-----	0.0	0.1
81	01/14/2008	14:22	-----	0.0	0.1
82	01/14/2008	14:23	-----	0.0	0.1
83	01/14/2008	14:24	-----	0.0	0.1
84	01/14/2008	14:25	-----	0.0	0.4
85	01/14/2008	14:26	-----	0.0	0.1
86	01/14/2008	14:27	-----	0.0	0.1
87	01/14/2008	14:28	-----	0.0	0.1
88	01/14/2008	14:29	-----	0.0	0.2
89	01/14/2008	14:30	-----	0.0	0.2
90	01/14/2008	14:31	-----	0.0	0.1
91	01/14/2008	14:32	-----	0.0	0.1
92	01/14/2008	14:33	-----	0.0	0.1
93	01/14/2008	14:34	-----	0.0	0.1
94	01/14/2008	14:35	-----	0.0	0.1
95	01/14/2008	14:36	-----	0.0	0.1
96	01/14/2008	14:37	-----	0.0	0.1
97	01/14/2008	14:38	-----	0.0	0.1
98	01/14/2008	14:39	-----	0.0	0.1
99	01/14/2008	14:40	-----	0.0	0.1
100	01/14/2008	14:41	-----	0.0	0.1
101	01/14/2008	14:42	-----	0.0	0.1
102	01/14/2008	14:43	-----	0.0	0.1
103	01/14/2008	14:44	-----	0.0	0.1
104	01/14/2008	14:45	-----	0.0	0.1
105	01/14/2008	14:46	-----	0.0	0.2
106	01/14/2008	14:47	-----	0.0	0.2
107	01/14/2008	14:48	-----	0.0	0.2
108	01/14/2008	14:49	-----	0.0	0.1
109	01/14/2008	14:50	-----	0.0	0.1
110	01/14/2008	14:51	-----	0.0	0.1
111	01/14/2008	14:52	-----	0.0	0.1
112	01/14/2008	14:53	-----	0.0	0.2
113	01/14/2008	14:54	-----	0.0	0.1
114	01/14/2008	14:55	-----	0.0	0.2
115	01/14/2008	14:56	-----	0.0	0.1
116	01/14/2008	14:57	-----	0.0	0.2
117	01/14/2008	14:58	-----	0.0	0.1

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: WZ40WEST  
 Data Points: 4 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
=====
```

```
=====
Line#      Date   Time      Min(ppm)      Avg(ppm)      Max(ppm)
=====
  1  01/15/2008 08:11      -----      0.0          0.0
  2  01/15/2008 08:12      -----      0.0          0.0
  3  01/15/2008 08:13      -----      0.0          0.0
  4  01/15/2008 08:14      -----      0.0          0.0
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: WZ40WEST  
 Data Points: 29 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
=====
```

```
=====
Line#      Date   Time      Min(ppm)      Avg(ppm)      Max(ppm)
=====
  1  01/15/2008 08:21      -----      0.0          0.0
  2  01/15/2008 08:22      -----      0.0          0.0
  3  01/15/2008 08:23      -----      0.0          0.0
  4  01/15/2008 08:24      -----      0.0          0.0
  5  01/15/2008 08:25      -----      0.0          0.0
  6  01/15/2008 08:26      -----      0.0          0.0
  7  01/15/2008 08:27      -----      0.0          0.0
  8  01/15/2008 08:28      -----      0.0          0.0
  9  01/15/2008 08:29      -----      0.0          0.0
 10  01/15/2008 08:30      -----      0.0          0.0
 11  01/15/2008 08:31      -----      0.0          0.1
 12  01/15/2008 08:32      -----      0.0          0.0
 13  01/15/2008 08:33      -----      0.0          0.0
 14  01/15/2008 08:34      -----      0.0          0.2
 15  01/15/2008 08:35      -----      0.0          0.0
 16  01/15/2008 08:36      -----      0.0          0.0
 17  01/15/2008 08:37      -----      0.0          0.0
 18  01/15/2008 08:38      -----      0.0          0.0
 19  01/15/2008 08:39      -----      0.0          0.1
 20  01/15/2008 08:40      -----      0.0          0.0
 21  01/15/2008 08:41      -----      0.0          0.0
 22  01/15/2008 08:42      -----      0.0          0.0
 23  01/15/2008 08:43      -----      0.0          0.0
 24  01/15/2008 08:44      -----      0.0          0.0
 25  01/15/2008 08:45      -----      0.0          0.0
 26  01/15/2008 08:46      -----      0.0          0.0
 27  01/15/2008 08:47      -----      0.0          0.0
 28  01/15/2008 08:48      -----      0.0          0.0
 29  01/15/2008 08:49      -----      0.0          0.0
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: WZ40WEST  
 Data Points: 56 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:          Min(ppm)          Avg(ppm)          Max(ppm)
High Alarm Levels:        100.0          100.0          100.0
Low Alarm Levels:         50.0           50.0           50.0
=====
```

```
=====
Line#      Date   Time           Min(ppm)          Avg(ppm)          Max(ppm)
=====
```

Line#	Date	Time	Min(ppm)	Avg(ppm)	Max(ppm)
1	01/15/2008	09:28	-----	0.0	0.0
2	01/15/2008	09:29	-----	0.0	0.0
3	01/15/2008	09:30	-----	0.0	0.0
4	01/15/2008	09:31	-----	0.0	0.3
5	01/15/2008	09:32	-----	0.0	0.0
6	01/15/2008	09:33	-----	0.0	0.0
7	01/15/2008	09:34	-----	0.0	0.0
8	01/15/2008	09:35	-----	0.0	0.0
9	01/15/2008	09:36	-----	0.0	0.0
10	01/15/2008	09:37	-----	0.0	0.0
11	01/15/2008	09:38	-----	0.0	0.0
12	01/15/2008	09:39	-----	0.0	0.0
13	01/15/2008	09:40	-----	0.0	0.0
14	01/15/2008	09:41	-----	0.0	0.1
15	01/15/2008	09:42	-----	0.0	0.6
16	01/15/2008	09:43	-----	0.1	1.1
17	01/15/2008	09:44	-----	0.0	0.1
18	01/15/2008	09:45	-----	0.0	0.0
19	01/15/2008	09:46	-----	0.0	0.0
20	01/15/2008	09:47	-----	0.0	0.0
21	01/15/2008	09:48	-----	0.0	0.0
22	01/15/2008	09:49	-----	0.0	0.0
23	01/15/2008	09:50	-----	0.0	0.2
24	01/15/2008	09:51	-----	0.0	0.0
25	01/15/2008	09:52	-----	0.0	0.2
26	01/15/2008	09:53	-----	0.0	0.1
27	01/15/2008	09:54	-----	0.0	0.4
28	01/15/2008	09:55	-----	0.0	0.2
29	01/15/2008	09:56	-----	0.0	0.1
30	01/15/2008	09:57	-----	0.0	0.2
31	01/15/2008	09:58	-----	0.0	0.4
32	01/15/2008	09:59	-----	0.0	0.4
33	01/15/2008	10:00	-----	0.0	0.3
34	01/15/2008	10:01	-----	0.0	0.1
35	01/15/2008	10:02	-----	0.0	0.3
36	01/15/2008	10:03	-----	0.0	0.1
37	01/15/2008	10:04	-----	0.0	0.1
38	01/15/2008	10:05	-----	0.0	0.1
39	01/15/2008	10:06	-----	0.0	0.2
40	01/15/2008	10:07	-----	0.0	0.1
41	01/15/2008	10:08	-----	0.0	0.2
42	01/15/2008	10:09	-----	0.0	0.1
43	01/15/2008	10:10	-----	0.0	0.2
44	01/15/2008	10:11	-----	0.0	0.1
45	01/15/2008	10:12	-----	0.0	0.2
46	01/15/2008	10:13	-----	0.0	0.3
47	01/15/2008	10:14	-----	0.0	0.7
48	01/15/2008	10:15	-----	0.0	0.3

49	01/15/2008	10:16	-----	0.0	0.2
50	01/15/2008	10:17	-----	0.0	0.1
51	01/15/2008	10:18	-----	0.0	0.2
52	01/15/2008	10:19	-----	0.0	0.3
53	01/15/2008	10:20	-----	0.0	0.1
54	01/15/2008	10:21	-----	0.0	0.1
55	01/15/2008	10:22	-----	0.0	0.1
56	01/15/2008	10:23	-----	0.0	0.1



Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: WZ3SWEST  
 Data Points: 265 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:           Min(ppm)           Avg(ppm)           Max(ppm)
High Alarm Levels:         100.0           100.0           100.0
Low Alarm Levels:          50.0            50.0            50.0
=====
```

```
=====
Line#      Date   Time           Min(ppm)           Avg(ppm)           Max(ppm)
=====
  1  01/15/2008 11:00           -----           0.0               0.4
  2  01/15/2008 11:01           -----           0.0               0.0
  3  01/15/2008 11:02           -----           0.0               0.1
  4  01/15/2008 11:03           -----           0.0               0.0
  5  01/15/2008 11:04           -----           0.0               0.1
  6  01/15/2008 11:05           -----           0.0               0.1
  7  01/15/2008 11:06           -----           0.0               0.1
  8  01/15/2008 11:07           -----           0.0               0.1
  9  01/15/2008 11:08           -----           0.0               0.3
 10  01/15/2008 11:09           -----           0.1               0.7
 11  01/15/2008 11:10           -----           0.0               0.1
 12  01/15/2008 11:11           -----           0.0               0.1
 13  01/15/2008 11:12           -----           0.0               0.1
 14  01/15/2008 11:13           -----           0.0               0.4
 15  01/15/2008 11:14           -----           0.0               0.0
 16  01/15/2008 11:15           -----           0.0               0.0
 17  01/15/2008 11:16           -----           0.0               0.0
 18  01/15/2008 11:17           -----           0.0               0.0
 19  01/15/2008 11:18           -----           0.0               0.0
 20  01/15/2008 11:19           -----           0.0               0.1
 21  01/15/2008 11:20           -----           0.0               0.1
 22  01/15/2008 11:21           -----           0.0               0.1
 23  01/15/2008 11:22           -----           0.0               0.0
 24  01/15/2008 11:23           -----           0.0               0.1
 25  01/15/2008 11:24           -----           0.0               0.2
 26  01/15/2008 11:25           -----           0.0               0.3
 27  01/15/2008 11:26           -----           0.0               0.1
 28  01/15/2008 11:27           -----           0.0               0.1
 29  01/15/2008 11:28           -----           0.0               0.4
 30  01/15/2008 11:29           -----           0.0               0.1
 31  01/15/2008 11:30           -----           0.0               0.1
 32  01/15/2008 11:31           -----           0.0               0.1
 33  01/15/2008 11:32           -----           0.0               0.1
 34  01/15/2008 11:33           -----           0.0               0.2
 35  01/15/2008 11:34           -----           0.0               0.1
 36  01/15/2008 11:35           -----           0.0               0.1
 37  01/15/2008 11:36           -----           0.0               0.1
 38  01/15/2008 11:37           -----           0.0               0.1
 39  01/15/2008 11:38           -----           0.0               0.1
 40  01/15/2008 11:39           -----           0.0               0.5
 41  01/15/2008 11:40           -----           0.0               0.1
 42  01/15/2008 11:41           -----           0.0               0.2
 43  01/15/2008 11:42           -----           0.0               0.1
 44  01/15/2008 11:43           -----           0.0               0.1
 45  01/15/2008 11:44           -----           0.0               0.1
 46  01/15/2008 11:45           -----           0.0               0.1
 47  01/15/2008 11:46           -----           0.0               0.1
 48  01/15/2008 11:47           -----           0.0               0.1
 49  01/15/2008 11:48           -----           0.0               0.2
=====
```

50	01/15/2008	11:49	-----	0.0	0.1
51	01/15/2008	11:50	-----	0.0	0.1
52	01/15/2008	11:51	-----	0.0	0.2
53	01/15/2008	11:52	-----	0.0	0.1
54	01/15/2008	11:53	-----	0.0	0.1
55	01/15/2008	11:54	-----	0.0	0.1
56	01/15/2008	11:55	-----	0.0	0.1
57	01/15/2008	11:56	-----	0.0	0.1
58	01/15/2008	11:57	-----	0.0	0.1
59	01/15/2008	11:58	-----	0.0	0.1
60	01/15/2008	11:59	-----	0.0	0.1
61	01/15/2008	12:00	-----	0.0	0.1
62	01/15/2008	12:01	-----	0.0	0.1
63	01/15/2008	12:02	-----	0.0	0.1
64	01/15/2008	12:03	-----	0.0	0.1
65	01/15/2008	12:04	-----	0.0	0.1
66	01/15/2008	12:05	-----	0.0	0.1
67	01/15/2008	12:06	-----	0.0	0.1
68	01/15/2008	12:07	-----	0.0	0.1
69	01/15/2008	12:08	-----	0.0	0.1
70	01/15/2008	12:09	-----	0.0	0.1
71	01/15/2008	12:10	-----	0.0	0.1
72	01/15/2008	12:11	-----	0.0	0.1
73	01/15/2008	12:12	-----	0.0	0.1
74	01/15/2008	12:13	-----	0.0	0.1
75	01/15/2008	12:14	-----	0.0	0.1
76	01/15/2008	12:15	-----	0.0	0.1
77	01/15/2008	12:16	-----	0.0	0.1
78	01/15/2008	12:17	-----	0.0	0.1
79	01/15/2008	12:18	-----	0.0	0.1
80	01/15/2008	12:19	-----	0.0	0.1
81	01/15/2008	12:20	-----	0.0	0.1
82	01/15/2008	12:21	-----	0.0	0.1
83	01/15/2008	12:22	-----	0.0	0.1
84	01/15/2008	12:23	-----	0.0	0.1
85	01/15/2008	12:24	-----	0.0	0.1
86	01/15/2008	12:25	-----	0.0	0.1
87	01/15/2008	12:26	-----	0.0	0.1
88	01/15/2008	12:27	-----	0.0	0.1
89	01/15/2008	12:28	-----	0.0	0.1
90	01/15/2008	12:29	-----	0.0	0.1
91	01/15/2008	12:30	-----	0.0	0.1
92	01/15/2008	12:31	-----	0.0	0.1
93	01/15/2008	12:32	-----	0.0	0.1
94	01/15/2008	12:33	-----	0.0	0.1
95	01/15/2008	12:34	-----	0.0	0.1
96	01/15/2008	12:35	-----	0.0	0.1
97	01/15/2008	12:36	-----	0.0	0.1
98	01/15/2008	12:37	-----	0.0	0.1
99	01/15/2008	12:38	-----	0.0	0.1
100	01/15/2008	12:39	-----	0.0	0.1
101	01/15/2008	12:40	-----	0.0	0.1
102	01/15/2008	12:41	-----	0.0	0.1
103	01/15/2008	12:42	-----	0.0	0.1
104	01/15/2008	12:43	-----	0.0	0.1
105	01/15/2008	12:44	-----	0.0	0.1
106	01/15/2008	12:45	-----	0.0	0.1
107	01/15/2008	12:46	-----	0.1	2.5
108	01/15/2008	12:47	-----	0.1	0.4
109	01/15/2008	12:48	-----	0.1	1.5

110	01/15/2008	12:49	-----	0.3	1.1
111	01/15/2008	12:50	-----	0.1	0.6
112	01/15/2008	12:51	-----	0.0	0.3
113	01/15/2008	12:52	-----	0.0	0.3
114	01/15/2008	12:53	-----	0.0	0.2
115	01/15/2008	12:54	-----	0.0	0.1
116	01/15/2008	12:55	-----	0.0	0.1
117	01/15/2008	12:56	-----	0.0	0.5
118	01/15/2008	12:57	-----	0.0	0.2
119	01/15/2008	12:58	-----	0.0	0.2
120	01/15/2008	12:59	-----	0.0	0.2
121	01/15/2008	13:00	-----	0.0	0.2
122	01/15/2008	13:01	-----	0.0	0.2
123	01/15/2008	13:02	-----	0.0	0.4
124	01/15/2008	13:03	-----	0.0	0.2
125	01/15/2008	13:04	-----	0.0	0.2
126	01/15/2008	13:05	-----	0.0	0.1
127	01/15/2008	13:06	-----	0.0	0.1
128	01/15/2008	13:07	-----	0.0	0.1
129	01/15/2008	13:08	-----	0.0	0.3
130	01/15/2008	13:09	-----	0.0	0.2
131	01/15/2008	13:10	-----	0.0	0.1
132	01/15/2008	13:11	-----	0.0	0.2
133	01/15/2008	13:12	-----	0.0	0.1
134	01/15/2008	13:13	-----	0.0	0.1
135	01/15/2008	13:14	-----	0.0	0.1
136	01/15/2008	13:15	-----	0.0	0.2
137	01/15/2008	13:16	-----	0.0	0.3
138	01/15/2008	13:17	-----	0.0	0.1
139	01/15/2008	13:18	-----	0.0	0.1
140	01/15/2008	13:19	-----	0.0	0.2
141	01/15/2008	13:20	-----	0.0	0.1
142	01/15/2008	13:21	-----	0.1	0.3
143	01/15/2008	13:22	-----	0.0	0.1
144	01/15/2008	13:23	-----	0.0	0.2
145	01/15/2008	13:24	-----	0.0	0.1
146	01/15/2008	13:25	-----	0.0	0.2
147	01/15/2008	13:26	-----	0.0	0.2
148	01/15/2008	13:27	-----	0.0	0.2
149	01/15/2008	13:28	-----	0.0	0.2
150	01/15/2008	13:29	-----	0.0	0.2
151	01/15/2008	13:30	-----	0.0	0.6
152	01/15/2008	13:31	-----	0.1	0.6
153	01/15/2008	13:32	-----	0.0	0.2
154	01/15/2008	13:33	-----	0.0	0.2
155	01/15/2008	13:34	-----	0.0	0.2
156	01/15/2008	13:35	-----	0.1	0.2
157	01/15/2008	13:36	-----	0.1	0.3
158	01/15/2008	13:37	-----	0.0	0.2
159	01/15/2008	13:38	-----	0.0	0.2
160	01/15/2008	13:39	-----	0.1	0.2
161	01/15/2008	13:40	-----	0.0	0.1
162	01/15/2008	13:41	-----	0.0	0.1
163	01/15/2008	13:42	-----	0.0	0.1
164	01/15/2008	13:43	-----	0.1	0.3
165	01/15/2008	13:44	-----	0.0	0.1
166	01/15/2008	13:45	-----	0.0	0.3
167	01/15/2008	13:46	-----	0.0	0.2
168	01/15/2008	13:47	-----	0.0	0.1
169	01/15/2008	13:48	-----	0.0	0.3

170	01/15/2008	13:49	-----	0.0	0.2
171	01/15/2008	13:50	-----	0.0	0.2
172	01/15/2008	13:51	-----	0.0	0.1
173	01/15/2008	13:52	-----	0.0	0.2
174	01/15/2008	13:53	-----	0.0	0.1
175	01/15/2008	13:54	-----	0.0	0.4
176	01/15/2008	13:55	-----	0.0	0.2
177	01/15/2008	13:56	-----	0.0	0.2
178	01/15/2008	13:57	-----	0.0	0.3
179	01/15/2008	13:58	-----	0.0	0.2
180	01/15/2008	13:59	-----	0.0	0.2
181	01/15/2008	14:00	-----	0.0	0.1
182	01/15/2008	14:01	-----	0.0	0.2
183	01/15/2008	14:02	-----	0.0	0.1
184	01/15/2008	14:03	-----	0.0	0.1
185	01/15/2008	14:04	-----	0.0	0.1
186	01/15/2008	14:05	-----	0.0	0.1
187	01/15/2008	14:06	-----	0.0	0.1
188	01/15/2008	14:07	-----	0.0	0.2
189	01/15/2008	14:08	-----	0.0	0.1
190	01/15/2008	14:09	-----	0.0	0.1
191	01/15/2008	14:10	-----	0.0	0.1
192	01/15/2008	14:11	-----	0.0	0.1
193	01/15/2008	14:12	-----	0.0	0.1
194	01/15/2008	14:13	-----	0.0	0.1
195	01/15/2008	14:14	-----	0.0	0.1
196	01/15/2008	14:15	-----	0.0	0.1
197	01/15/2008	14:16	-----	0.0	0.1
198	01/15/2008	14:17	-----	0.0	0.2
199	01/15/2008	14:18	-----	0.0	0.1
200	01/15/2008	14:19	-----	0.0	0.1
201	01/15/2008	14:20	-----	0.0	0.2
202	01/15/2008	14:21	-----	0.0	0.1
203	01/15/2008	14:22	-----	0.0	0.1
204	01/15/2008	14:23	-----	0.0	0.1
205	01/15/2008	14:24	-----	0.0	0.1
206	01/15/2008	14:25	-----	0.0	0.1
207	01/15/2008	14:26	-----	0.0	0.1
208	01/15/2008	14:27	-----	0.0	0.1
209	01/15/2008	14:28	-----	0.0	0.1
210	01/15/2008	14:29	-----	0.0	0.1
211	01/15/2008	14:30	-----	0.0	0.1
212	01/15/2008	14:31	-----	0.0	0.1
213	01/15/2008	14:32	-----	0.0	0.1
214	01/15/2008	14:33	-----	0.0	0.1
215	01/15/2008	14:34	-----	0.0	0.1
216	01/15/2008	14:35	-----	0.0	0.1
217	01/15/2008	14:36	-----	0.0	0.1
218	01/15/2008	14:37	-----	0.0	0.1
219	01/15/2008	14:38	-----	0.0	0.1
220	01/15/2008	14:39	-----	0.0	0.1
221	01/15/2008	14:40	-----	0.0	0.1
222	01/15/2008	14:41	-----	0.0	0.1
223	01/15/2008	14:42	-----	0.0	0.1
224	01/15/2008	14:43	-----	0.0	0.2
225	01/15/2008	14:44	-----	0.0	0.3
226	01/15/2008	14:45	-----	0.0	0.1
227	01/15/2008	14:46	-----	0.0	0.1
228	01/15/2008	14:47	-----	0.0	0.1
229	01/15/2008	14:48	-----	0.0	0.1

230	01/15/2008	14:49	-----	0.0	0.1
231	01/15/2008	14:50	-----	0.0	0.1
232	01/15/2008	14:51	-----	0.0	0.1
233	01/15/2008	14:52	-----	0.0	0.1
234	01/15/2008	14:53	-----	0.0	0.1
235	01/15/2008	14:54	-----	0.0	0.1
236	01/15/2008	14:55	-----	0.0	0.2
237	01/15/2008	14:56	-----	0.0	0.2
238	01/15/2008	14:57	-----	0.0	0.1
239	01/15/2008	14:58	-----	0.0	0.1
240	01/15/2008	14:59	-----	0.0	0.2
241	01/15/2008	15:00	-----	0.0	0.1
242	01/15/2008	15:01	-----	0.0	0.1
243	01/15/2008	15:02	-----	0.0	0.1
244	01/15/2008	15:03	-----	0.0	0.1
245	01/15/2008	15:04	-----	0.0	0.1
246	01/15/2008	15:05	-----	0.0	0.1
247	01/15/2008	15:06	-----	0.0	0.1
248	01/15/2008	15:07	-----	0.0	0.1
249	01/15/2008	15:08	-----	0.0	0.1
250	01/15/2008	15:09	-----	0.0	0.1
251	01/15/2008	15:10	-----	0.0	0.1
252	01/15/2008	15:11	-----	0.0	0.1
253	01/15/2008	15:12	-----	0.0	0.1
254	01/15/2008	15:13	-----	0.0	0.1
255	01/15/2008	15:14	-----	0.0	0.1
256	01/15/2008	15:15	-----	0.0	0.1
257	01/15/2008	15:16	-----	0.0	0.1
258	01/15/2008	15:17	-----	0.0	0.1
259	01/15/2008	15:18	-----	0.0	0.1
260	01/15/2008	15:19	-----	0.0	0.1
261	01/15/2008	15:20	-----	0.0	0.1
262	01/15/2008	15:21	-----	0.0	0.1
263	01/15/2008	15:22	-----	0.0	0.5
264	01/15/2008	15:23	-----	0.0	0.3
265	01/15/2008	15:24	-----	0.0	0.1

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: WZ2NEAST  
 Data Points: 14 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:           Min(ppm)           Avg(ppm)           Max(ppm)
High Alarm Levels:         100.0           100.0           100.0
Low Alarm Levels:          50.0            50.0            50.0
=====
```

```
=====
Line#      Date   Time           Min(ppm)           Avg(ppm)           Max(ppm)
=====
  1  01/16/2008 13:00           -----           0.0              0.0
  2  01/16/2008 13:01           -----           0.0              0.0
  3  01/16/2008 13:02           -----           0.0              0.0
  4  01/16/2008 13:03           -----           0.0              0.0
  5  01/16/2008 13:04           -----           0.0              0.0
  6  01/16/2008 13:05           -----           0.0              0.0
  7  01/16/2008 13:06           -----           0.0              0.0
  8  01/16/2008 13:07           -----           0.0              0.0
  9  01/16/2008 13:08           -----           0.0              0.0
 10  01/16/2008 13:09           -----           0.0              0.0
 11  01/16/2008 13:10           -----           0.0              0.0
 12  01/16/2008 13:11           -----           0.0              0.0
 13  01/16/2008 13:12           -----           0.0              0.0
 14  01/16/2008 13:13           -----           0.0              0.0
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: WZ2NEAST  
 Data Points: 43 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:           Min(ppm)           Avg(ppm)           Max(ppm)
High Alarm Levels:         100.0           100.0           100.0
Low Alarm Levels:          50.0            50.0            50.0
=====
```

```
=====
Line#      Date   Time           Min(ppm)           Avg(ppm)           Max(ppm)
=====
  1  01/16/2008 13:17           -----           0.0              0.0
  2  01/16/2008 13:18           -----           0.0              0.0
  3  01/16/2008 13:19           -----           0.0              0.0
  4  01/16/2008 13:20           -----           0.0              0.0
  5  01/16/2008 13:21           -----           0.0              0.0
  6  01/16/2008 13:22           -----           0.0              0.0
  7  01/16/2008 13:23           -----           0.0              0.0
  8  01/16/2008 13:24           -----           0.0              0.0
  9  01/16/2008 13:25           -----           0.0              0.0
 10  01/16/2008 13:26           -----           0.0              0.0
 11  01/16/2008 13:27           -----           0.0              0.0
 12  01/16/2008 13:28           -----           0.0              0.0
 13  01/16/2008 13:29           -----           0.0              0.0
 14  01/16/2008 13:30           -----           0.0              0.0
 15  01/16/2008 13:31           -----           0.0              0.0
 16  01/16/2008 13:32           -----           0.0              0.0
 17  01/16/2008 13:33           -----           0.0              0.0
 18  01/16/2008 13:34           -----           0.0              0.0
 19  01/16/2008 13:35           -----           0.0              0.0
 20  01/16/2008 13:36           -----           0.0              0.0
 21  01/16/2008 13:37           -----           0.0              0.0
=====
```

22	01/16/2008	13:38	-----	0.0	0.0
23	01/16/2008	13:39	-----	0.0	0.0
24	01/16/2008	13:40	-----	0.0	0.0
25	01/16/2008	13:41	-----	0.0	0.0
26	01/16/2008	13:42	-----	0.0	0.0
27	01/16/2008	13:43	-----	0.0	0.0
28	01/16/2008	13:44	-----	0.0	0.0
29	01/16/2008	13:45	-----	0.0	0.0
30	01/16/2008	13:46	-----	0.0	0.0
31	01/16/2008	13:47	-----	0.0	0.0
32	01/16/2008	13:48	-----	0.0	0.0
33	01/16/2008	13:49	-----	0.0	0.0
34	01/16/2008	13:50	-----	0.0	0.0
35	01/16/2008	13:51	-----	0.0	0.0
36	01/16/2008	13:52	-----	0.0	0.0
37	01/16/2008	13:53	-----	0.0	0.0

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: WZ1 EAST  
 Data Points: 43 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:          Min(ppm)          Avg(ppm)          Max(ppm)
High Alarm Levels:        100.0          100.0          100.0
Low Alarm Levels:         50.0           50.0           50.0
=====
```

```
=====
Line#      Date   Time           Min(ppm)          Avg(ppm)          Max(ppm)
=====
  1  02/04/2008 07:49          -----          0.0             0.0
  2  02/04/2008 07:50          -----          0.0             0.0
  3  02/04/2008 07:51          -----          0.0             0.0
  4  02/04/2008 07:52          -----          0.0             0.0
  5  02/04/2008 07:53          -----          0.0             0.0
  6  02/04/2008 07:54          -----          0.0             0.0
  7  02/04/2008 07:55          -----          0.0             0.0
  8  02/04/2008 07:56          -----          0.0             0.0
  9  02/04/2008 07:57          -----          0.0             0.0
 10  02/04/2008 07:58          -----          0.0             0.0
 11  02/04/2008 07:59          -----          0.0             0.0
 12  02/04/2008 08:00          -----          0.0             0.0
 13  02/04/2008 08:01          -----          0.0             0.0
 14  02/04/2008 08:02          -----          0.0             0.0
 15  02/04/2008 08:03          -----          0.0             0.0
 16  02/04/2008 08:04          -----          0.0             0.0
 17  02/04/2008 08:05          -----          0.0             0.0
 18  02/04/2008 08:06          -----          0.0             0.0
 19  02/04/2008 08:07          -----          0.0             0.0
 20  02/04/2008 08:08          -----          0.0             0.0
 21  02/04/2008 08:09          -----          0.0             0.0
 22  02/04/2008 08:10          -----          0.0             0.0
 23  02/04/2008 08:11          -----          0.0             0.0
 24  02/04/2008 08:12          -----          0.0             0.0
 25  02/04/2008 08:13          -----          0.0             0.0
 26  02/04/2008 08:14          -----          0.0             0.0
 27  02/04/2008 08:15          -----          0.0             0.0
 28  02/04/2008 08:16          -----          0.0             0.0
 29  02/04/2008 08:17          -----          0.0             0.0
 30  02/04/2008 08:18          -----          0.0             0.0
 31  02/04/2008 08:19          -----          0.0             0.0
 32  02/04/2008 08:20          -----          0.0             0.0
 33  02/04/2008 08:21          -----          0.0             0.0
 34  02/04/2008 08:22          -----          0.0             0.0
 35  02/04/2008 08:23          -----          0.0             0.0
 36  02/04/2008 08:24          -----          0.0             0.0
 37  02/04/2008 08:25          -----          0.0             0.2
 38  02/04/2008 08:26          -----          0.0             0.0
 39  02/04/2008 08:27          -----          0.0             0.0
 40  02/04/2008 08:28          -----          0.0             0.0
 41  02/04/2008 08:29          -----          0.0             0.0
 42  02/04/2008 08:30          -----          0.0             0.0
 43  02/04/2008 08:31          -----          0.0             0.0
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: WZ5 CNTR  
 Data Points: 73 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
=====
```

```
=====
Line#    Date   Time      Min(ppm)      Avg(ppm)      Max(ppm)
=====
  1  02/04/2008 09:22      -----      0.0          0.0
  2  02/04/2008 09:23      -----      0.0          0.0
  3  02/04/2008 09:24      -----      0.0          0.0
  4  02/04/2008 09:25      -----      0.0          0.0
  5  02/04/2008 09:26      -----      0.0          0.0
  6  02/04/2008 09:27      -----      0.0          0.0
  7  02/04/2008 09:28      -----      0.0          0.0
  8  02/04/2008 09:29      -----      0.0          0.0
  9  02/04/2008 09:30      -----      0.0          0.0
 10  02/04/2008 09:31      -----      0.0          0.0
 11  02/04/2008 09:32      -----      0.0          0.0
 12  02/04/2008 09:33      -----      0.0          0.0
 13  02/04/2008 09:34      -----      0.0          0.0
 14  02/04/2008 09:35      -----      0.0          0.0
 15  02/04/2008 09:36      -----      0.0          0.0
 16  02/04/2008 09:37      -----      0.0          0.0
 17  02/04/2008 09:38      -----      0.0          0.0
 18  02/04/2008 09:39      -----      0.0          0.0
 19  02/04/2008 09:40      -----      0.0          0.0
 20  02/04/2008 09:41      -----      0.0          0.0
 21  02/04/2008 09:42      -----      0.0          0.0
 22  02/04/2008 09:43      -----      0.0          0.0
 23  02/04/2008 09:44      -----      0.0          0.0
 24  02/04/2008 09:45      -----      0.0          0.0
 25  02/04/2008 09:46      -----      0.0          0.0
 26  02/04/2008 09:47      -----      0.0          0.1
 27  02/04/2008 09:48      -----      0.0          0.0
 28  02/04/2008 09:49      -----      0.0          0.1
 29  02/04/2008 09:50      -----      0.0          0.0
 30  02/04/2008 09:51      -----      0.0          0.0
 31  02/04/2008 09:52      -----      0.0          0.0
 32  02/04/2008 09:53      -----      0.0          0.1
 33  02/04/2008 09:54      -----      0.0          0.1
 34  02/04/2008 09:55      -----      0.0          0.2
=====
```

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: WZ5 CNTR  
 Data Points: 73 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35  
 Start At: 02/04/2008 09:22 End At: 02/04/2008 10:34

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
STEL Alarm Levels:    25.0         25.0         25.0
TWA Alarm Levels:     10.0         10.0         10.0
=====
```

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.1	0.6
Min Data Value:	-----	0.0	0.0
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.0	0.0

```

=====
Instrument: MiniRAE 2000 (PGM7600)          Serial Number: 014875
User ID: 00000001          Site ID: WZ5 CNTR
Data Points: 6          Gas Name: Isobutylene          Sample Period: 60 sec
Last Calibration Time: 10/09/2007 08:35
=====

```

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0

Line#	Date	Time	Min(ppm)	Avg(ppm)	Max(ppm)
1	02/04/2008	10:45	-----	0.0	0.2
2	02/04/2008	10:46	-----	0.0	0.1
3	02/04/2008	10:47	-----	0.0	0.8
4	02/04/2008	10:48	-----	0.0	0.2
5	02/04/2008	10:49	-----	0.0	0.7
6	02/04/2008	10:50	-----	0.0	0.1

```

=====
Instrument: MiniRAE 2000 (PGM7600)          Serial Number: 014875
User ID: 00000001          Site ID: WZ5 CNTR
Data Points: 6          Gas Name: Isobutylene          Sample Period: 60 sec
Last Calibration Time: 10/09/2007 08:35
Start At: 02/04/2008 10:45  End At: 02/04/2008 10:50
=====

```

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100.0	100.0	100.0
Low Alarm Levels:	50.0	50.0	50.0
STEL Alarm Levels:	25.0	25.0	25.0
TWA Alarm Levels:	10.0	10.0	10.0

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
Peak Data Value:	-----	0.0	0.8
Min Data Value:	-----	0.0	0.1
TWA Data Value:	-----	0.0	0.0
AVG Data Value:	-----	0.0	0.4

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014875  
 User ID: 00000001 Site ID: WZ4 PAVE  
 Data Points: 46 Gas Name: Isobutylene Sample Period: 60 sec  
 Last Calibration Time: 10/09/2007 08:35

```
=====
Measurement Type:      Min(ppm)      Avg(ppm)      Max(ppm)
High Alarm Levels:    100.0        100.0        100.0
Low Alarm Levels:     50.0         50.0         50.0
=====
```

```
=====
Line#    Date   Time      Min(ppm)      Avg(ppm)      Max(ppm)
=====
  1  02/05/2008 09:51      -----      0.0          0.0
  2  02/05/2008 09:52      -----      0.0          0.0
  3  02/05/2008 09:53      -----      0.0          0.0
  4  02/05/2008 09:54      -----      0.0          0.0
  5  02/05/2008 09:55      -----      0.0          0.0
  6  02/05/2008 09:56      -----      0.0          0.0
  7  02/05/2008 09:57      -----      0.0          0.0
  8  02/05/2008 09:58      -----      0.0          0.0
  9  02/05/2008 09:59      -----      0.0          0.0
 10  02/05/2008 10:00      -----      0.0          0.0
 11  02/05/2008 10:01      -----      0.0          0.0
 12  02/05/2008 10:02      -----      0.0          0.0
 13  02/05/2008 10:03      -----      0.0          0.0
 14  02/05/2008 10:04      -----      0.0          0.0
 15  02/05/2008 10:05      -----      0.0          0.0
 16  02/05/2008 10:06      -----      0.0          0.0
 17  02/05/2008 10:07      -----      0.0          0.0
 18  02/05/2008 10:08      -----      0.0          0.0
 19  02/05/2008 10:09      -----      0.0          0.0
 20  02/05/2008 10:10      -----      0.0          0.0
 21  02/05/2008 10:11      -----      0.0          0.0
 22  02/05/2008 10:12      -----      0.0          0.0
 23  02/05/2008 10:13      -----      0.0          0.0
 24  02/05/2008 10:14      -----      0.0          0.0
 25  02/05/2008 10:15      -----      0.0          0.0
 26  02/05/2008 10:16      -----      0.0          0.0
 27  02/05/2008 10:17      -----      0.0          0.0
 28  02/05/2008 10:18      -----      0.0          0.0
 29  02/05/2008 10:19      -----      0.0          0.0
 30  02/05/2008 10:20      -----      0.0          0.0
 31  02/05/2008 10:21      -----      0.0          0.0
 32  02/05/2008 10:22      -----      0.0          0.0
 33  02/05/2008 10:23      -----      0.0          0.0
 34  02/05/2008 10:24      -----      0.0          0.0
 35  02/05/2008 10:25      -----      0.0          0.0
 36  02/05/2008 10:26      -----      0.0          0.0
 37  02/05/2008 10:27      -----      0.0          0.0
 38  02/05/2008 10:28      -----      0.0          0.0
 39  02/05/2008 10:29      -----      0.0          0.0
 40  02/05/2008 10:30      -----      0.0          0.0
 41  02/05/2008 10:31      -----      0.0          0.0
 42  02/05/2008 10:32      -----      0.0          0.0
 43  02/05/2008 10:33      -----      0.0          0.0
 44  02/05/2008 10:34      -----      0.0          0.0
 45  02/05/2008 10:35      -----      0.0          0.0
 46  02/05/2008 10:36      -----      0.0          0.0
=====
```

BLANK

**APPENDIX "D"**

**SITE PHOTOGRAPHS**



11/15/07 - Eastern Property Line



11/15/07 - 57th Street



11/15/07 - Erosion Control



11/16/07 - Existing Building



01/14/08 - Western Property Line



01/16/08 - Composite Sample Collection



02/04/08 - Catch Basin #8 Installation



02/05/08 - Soil Barrier Placing



10/03/08 - 57th Street Entrance



10/03/08 - Existing Building



10/03/08 - Park Landscape (looking North)



10/03/08 - Park Landscape (looking South)

**APPENDIX "E"**

**DEED RESTRICTION**

## APPENDIX B

### DEED RESTRICTION

#### DECLARATION of COVENANTS and RESTRICTIONS

THIS COVENANT, made the 15<sup>th</sup> day of August, 2007, by and through the City of New York, by and through its Department of Parks and Recreation, a duly authorized department of a municipal corporation organized and existing under the laws of the State of New York and having an office for the transaction of business at 123d Fifth Avenue, New York, NY 10029 in favor of the New York State Department of Conservation ("the Department"), an agency of the State of New York, with offices at 625 Broadway, Albany, New York 12233:

WHEREAS, The City of New York is the owner of real property located at 78-01 57<sup>th</sup> Avenue in Queens County, State of New York, which is part of lands conveyed by the Brooklyn Union Gas Company to the City of New York by deed dated November 1, 2005 and recorded in the Office of the New York City Register on March 30, 2007, CRFN No. 2007006166275, and hereinafter referred to as "the Controlled Property"; and

WHEREAS, the Controlled Property is the subject of a Voluntary Cleanup Agreement entitled "In the Matter of the Implementation of an Investigation and, if needed, remediation of 78-01 57<sup>th</sup> Avenue, Elmhurst, Queens, by The Brooklyn Union Gas Company, d/b/a Brooklyn Union, Index No.: D2-0002-99-10, effective October 24, 2000 ("Agreement"); and

WHEREAS, the New York State Department of Environmental Conservation approved the Remedial Action Work Plan ("RAWP") for the Controlled Property which set forth the selected remedy for the Controlled Property, and such RAWP required submission of a Site Management Plan and that the Controlled Property be subject to restrictive covenants.

NOW, THEREFORE, New York City Department of Parks and Recreation, for itself and its successors and/or assigns, covenants that:

First, the Controlled Property subject to this Declaration of Covenants and Restrictions is as shown on the map attached to this declaration as Schedule "A" and made a part hereof, and consists of the parcel of land, in the Borough of Queens, County of Queens, State of New York, identified as Tax Map Block No. 2805, Lot No.31 and Block No. 2806, Lot No.1, and more particularly bounded and described in Schedule "B."

Second, unless prior written approval by the New York State Department of Environmental Conservation or, if the Department shall no longer exist, any New York State agency or agencies subsequently created to protect the environment of the State and the health of the State's citizens, hereinafter referred to as "the Relevant Agency," is first obtained:

- The Controlled Property shall not be used for a less restrictive use than restricted-residential. Restricted-residential includes active recreational uses, in parkland.
- Vegetable gardens and farming are prohibited.

2007-024713

The owner must operate and maintain all engineering controls as specified in the Site Management Plan.

The owner must cause all engineering controls on the Controlled Property to be inspected and certified at a frequency and in a manner as specified in the Site Management Plan.

The owner must cause all data and information pertinent to management of the Controlled Property to be reported at the frequency and in the manner defined in the Site Management Plan.

All future activities on the Controlled Property that will disturb residual contaminated material remaining under the soil cover system (consisting of at least two feet of clean imported soils and concrete building slabs) are prohibited unless such activities are conducted in accordance with the soil and piping management provisions in the Site Management Plan.

The use of the groundwater underlying the Controlled Property is prohibited without treatment rendering it safe for the intended purpose.

Third, this Declaration is and shall be deemed a covenant that shall run with the land and shall be binding upon the owner and all future owners of the Controlled Property and shall provide that the owner, and its successors and assigns, consent to the enforcement by the Relevant Agency of the prohibitions and restrictions contained herein, and hereby covenants not to contest the authority of the Department to seek enforcement.

Fourth, any deed of conveyance of the Controlled Property, or any portion thereof, shall recite, unless the Relevant Agency has consented to the termination of such covenants and restrictions, that said conveyance is subject to this Declaration of Covenants and Restrictions and the Site Management Plan.

IN WITNESS WHEREOF, the undersigned has executed this instrument the day written below.

CITY OF NEW YORK  
Department of Parks and Recreation

By: [Signature]

Sworn to before me this 22 day of August, 2007.

[Signature]  
Notary Public

APPROVED AS TO FORM  
[Signature]  
8/13/07

NOTARY PUBLIC  
STATE OF NEW YORK  
No. 026180006007  
EXPIRES IN NEW YORK COUNTY  
1/26/2010