November 20, 2008

Mr. Vimal Minocha
New York State Department of Environmental Conservation
Hazardous Waste & Radiation Management
625 Broadway 9th Floor
Albany, NY 12233-7258

RE: Groundwater/Soil Gas Monitoring Report, Remedial System Operation and Maintenance Summary Report, and Work Plan
42-14 19th Avenue
Astoria, Queens, New York
EPA ID# NYD077444263

Dear Mr. Minocha,

Triumvirate Environmental, Inc. is pleased to provide the enclosed report for the noted property. The report summarizes groundwater monitoring activities, soil gas monitoring, soil vapor extraction and air sparge remedial systems operation maintenance and monitoring during the period from June 2008 to November 2008. Additionally, a Work Plans are included for the continued groundwater monitoring, soil gas sampling, operation and maintenance and monitoring of the remedial systems, and stormwater monitoring.

If you have any questions, comments, or require additional information please contact the undersigned at our Somerville, Massachusetts office at (800) 966-9282.

Sincerely,
TRIUMVIRATE ENVIRONMENTAL, INC.

Craig Sasse
Project Manager

Michael Bricher, PG
Senior Engineer

Enclosure

cc: Keith Gronwald, NYSDEC (w/ attachment)
Robert J. Phaneu, NYSDEC
Jim Reidy (w/ attachment)
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Dawn Hattrick, PE, NYSDOH
Tim Mooney, Triumvirate Environmental, Inc.
John McQuillan, Jr., Triumvirate Environmental, Inc.
Don Gallone, Triumvirate Environmental, Inc.

GROUNDWATER/SOIL GAS MONITORING, REMEDIAL SYSTEM OPERATION AND MAINTENANCE SUMMARY REPORT AND WORK PLAN

For The Property Identified As:

TRIUMVIRATE ENVIRONMENTAL (NYC), LLC
42-14 19th AVENUE
ASTORIA, QUEENS, NEW YORK 11105-1082
EPA ID# NYD077444263

Prepared on Behalf of:

TRIUMVIRATE ENVIRONMENTAL (NYC), LLC
42-14 19th AVENUE
ASTORIA, QUEENS, NEW YORK 11105-1082
EPA ID# NYD077444263

For Submission To:

MR. VIMAL MINOCHA, P.E.
ENVIRONMENTAL ENGINEER
BUREAU OF SOLID WASTE & CORRECTIVE ACTION
DIVISION OF SOLID & HAZARDOUS WASTE
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Prepared By:

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JOB NUMBER: 750

NOVEMBER 2008

CERTIFICATION

I certify that I have reviewed the submitted documentation "*Groundwater/Soil Gas Monitoring Report, Remedial System Operation and Maintenance Summary Report, and Work Plan*". This document and all attachments were reviewed in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Martha Monserrate, PE

Prepared and reviewed by:

11/20/08

Craig Sasse
Project Manager

Michael Bricher, PG
Senior Engineer

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1.0 INTRODUCTION

This Groundwater/Soil Gas Monitoring, Remedial System Operation and Maintenance Summary Report, and Work Plan (the Report) has been prepared to summarize activities performed as part of a Resource Conservation and Recovery Act (RCRA) Corrective Action of the property located at 42-14 19th Avenue in Astoria, New York (Site) (See Figure 1). Corrective Measures were implemented based on the results of a RCRA Facility Investigation performed at the Site. Interim Corrective Measures (ICM) implemented include a combination of soil vapor extraction (SVE) systems and an air sparge system intended to remove the subsurface impact identified at the Site.

This Report summarizes groundwater monitoring results for samples collected on September 29, 2008. As outlined in a May 3, 2006 letter submitted by SAGE Environmental, Inc. (SAGE) to the NYSDEC, a reduction in the frequency of groundwater monitoring to three events per year was proposed. On June 13, 2006, the New York State Department of Environmental Conservation (NYSDEC) approved the tri-annual groundwater monitoring schedule and sampling regime. Data obtained during groundwater monitoring were compared to NYSDEC Standards (6 NYCRR Part 703) and previous results to evaluate the effectiveness of NYSDEC approved Corrective Measures implemented at the Site.

The Report summarizes soil vapor analysis performed in accordance with the August 2006 Supplemental Work Plan for Soil Vapor Survey, which was conditionally approved by the NYSDEC on September 22, 2006. Soil vapor samples were collected to evaluate concentrations of VOCs and to evaluation the effectiveness of the expanded ICM at mitigating migration of soil gas to off-site locations.

This Report also summarizes operation and maintenance activities associated with the SVE system and the AS system operating at the Site during the period of June 2008 to November 2008. This is the twelfth status report summarizing operation, maintenance and performance of the remedial system. The SVE and AS system were installed as part of an Interim Corrective Measure (ICM) to remediate subsurface volatile organic compounds (VOCs) in soil and groundwater at the Site. The SVE and AS systems continue to operate as components of the NYSDEC approved Final Corrective Measure for the Site. Included is a Work Plan for monitoring and corrective action activities.

1.1 BACKGROUND

In June 1985, during construction of a major sewer line beneath 19th Avenue, strong solvent vapors were detected within an open street excavation in front of the Chemical Waste Disposal Corporation (CWDC) facility. Preliminary testing indicated that the vapors consisted of VOCs. A subsurface investigation report prepared for the New York City Department of Environmental Protection in late 1985 served to characterize the contaminants and hydrogeology of the Site and offered the opinion that the CWDC facility was the most likely source of VOCs encountered under 19th Avenue.

As a permitted hazardous waste storage facility under the NYSDEC regulations pertaining to Hazardous Waste Management Facilities (NYCRR Part 373), the property and its hazardous

waste operations are regulated under RCRA. Since New York state is a RCRA delegated state, releases requiring assessment and cleanup at the Site are performed as part of a corrective action under NYSDEC regulations with oversight by the United States Environmental Protection Agency (EPA).

In 1993, a Consent Order between CWDC (the previous property owner), and the NYSDEC and EPA was entered into requiring, among other things, the assessment and eventual remediation of on-Site release areas and downgradient impacted environmental media. Since 1993, a number of environmental assessments have occurred both on and off-Site, approximating the nature and extent of impacts. Phase I and Phase II RFI reports for the Site dated January 1995 and February 1996, respectively, served to further characterize Site soils and the Site hydrogeology.

In 2003, Triumvirate Environmental (NYC), LLC (hereinafter, TEI) purchased the facility and engaged SAGE to provide environmental services on its behalf. Following TEI's purchase of the facility, the installation of SVE and AS systems beneath the Outer Warehouse (see Figure 2) was completed as part of a NYSDEC and EPA approved ICM. Operation of the SVE and AS systems was initiated in November 2003 and May 2004, respectively. In May 2006, a Work Plan to expand the ICM through the installation of an additional SVE system was submitted to NYSDEC. The Work Plan for ICM expansion proposed the installation of horizontal vent wells beneath 19th Avenue to the north of the Site and the installation of an SVE system to extract vapors from these wells in an effort to control off-Site vapor migration and remediate subsurface soil, and to a lesser extent, groundwater migrating off-Site. In addition to the installation of the SVE system, the Work Plan included the completion of a limited remedial excavation during the installation of the horizontal vent wells in an effort to remove impacted subsurface soil. In September 2006, NYSDEC conditionally approved the Work Plan for ICM Expansion. In July and August 2007, the limited remedial excavation was completed, and the horizontal vent wells and SVE system were installed in accordance with the Work Plan for ICM Expansion. In September 2007, operation of the SVE system was initiated in accord with the Work Plan for ICM Expansion.

In June 2004, a report entitled Phase III RCRA Facility Investigation was submitted to NYSDEC which recommended additional investigation to further delineate the nature and extent of impact at the Site. Following the completion of additional investigation activities, a report entitled Phase III RCRA Facility Investigation, dated August 2007 was submitted to NYSDEC to supplement the information provided in the June 2004 Phase III Report and to further define the vertical and horizontal extent of impact at the Site. Based on data collected in support of the Phase III RFI, a report entitled RCRA Focused Corrective Measure Study was submitted to NYSDEC in May 2007. The Focused Corrective Measure Study (CMS) evaluated various remedial alternatives for the Site and recommended a remedial strategy consisting of continued operation and maintenance of SVE and AS systems at the Site with periodic groundwater monitoring to evaluate the performance of the recommended corrective measure. On October 26, 2007, NYSDEC approved the CMS.

2.0 GROUNDWATER MONITORING ACTIVITIES

As part of previously approved Work Plan activities, groundwater monitoring activities were performed during this period. A summary of activities performed during this reporting period are presented below.

2.1 GROUNDWATER GAUGING

On September 29, 2008, groundwater gauging was performed at all accessible site-related monitoring wells. Please refer to Figure 2 for the location of the site-related monitoring wells. Please note monitoring well MW-7 was not located and is assumed to be destroyed. During gauging activities, depth to groundwater below the established measuring point was measured for each monitor well with an electronic oil/water interface probe, and each well was evaluated for the presence (or absence) of light non-aqueous phase liquid (LNAPL). Depth to groundwater ranged from 3.69 to 8.65 feet below top of well casings during this groundwater gauging event.

During this monitoring period, monitoring well MW-28, downgradient of the Site, was identified with approximately 0.01 feet of LNAPL. The apparent source of this LNAPL is associated with the overland migration of oily liquids from the operation/maintenance of mobile food service trucks at the property located at 42-7 19th Avenue. Road box repair of monitoring well MW-28 is currently scheduled to occur in November, 2008. No other monitoring well was observed to have LNAPL with the electronic oil/water interface probe. The depth to bottom was measured in each monitor well being sampled to calculate purge volumes for subsequent groundwater sample collection. These wells were also evaluated for the presence of dense, non-aqueous phase liquid (DNAPL) using the electronic oil/water interface probe. No DNAPL was detected with the electronic oil/water interface probe in the monitor wells evaluated. Gauging data generated during the September 29, 2008 groundwater monitoring event are summarized in Table 1.

Groundwater elevations from the September 29, 2008 monitoring well gauging event were used to calculate the groundwater contours presented on Figure 3. As noted on Figure 3, a consistent north-northeasterly groundwater flow direction was calculated for the Site.

2.2 MONITOR WELL SAMPLING

On September 29 and 30, 2008, groundwater samples were collected from all accessible site-related monitoring wells via a peristaltic pump with dedicated polyethylene tubing. These samples were submitted to Alpha Analytical Laboratory (Alpha) of Westborough, MA for analysis of VOCs via EPA Method 8260B. A duplicate sample identified as MW-X was collected from monitor well MW-12I. Refer to Table 2 for a summary of the groundwater laboratory analytical results. Analytical results are compared to 6 NYCRR Part 703 Groundwater Quality Standards. A copy of the laboratory analytical report is included in Appendix A.

3.0 SOIL GAS MONITORING ACTIVITIES

3.1 SOIL GAS SCREENING

In conjunction with groundwater monitoring activities on September 30, 2008, TEI personnel performed soil gas monitoring at all accessible site-related soil gas vapor points and manholes along 19th Avenue. The locations of the soil gas vapor points and manholes along 19th Avenue may be found on Figure 2. The purpose of the vapor points is to screen soil gas in the vadose zone at and in the immediate vicinity of the Site. Based on a recent site reconnaissance, buildings in the immediate site vicinity were observed be to constructed with a concrete slab on grade. No basements were observed in the immediate Site vicinity.

Soil gas screening was performed with a flame ionization detector (FID) calibrated to read as benzene. A total of 18 soil gas points were field screened with the FID. Each of the soil gas vapor points was purged with a vacuum pump for approximately five minutes prior to field screening with a FID. FID screening results revealed concentrations above 20 part per million by volume (ppmv) in soil gas points SGP-11 through SGP-15 and SGP-17 through SGP-19, located in the historic areas of soil and groundwater contamination. Soil gas monitoring points along the northwest and southeast margins of the Site have concentrations below 8.5 ppmv. The soil gas screening results are presented in Table 3. No detectable VOC readings were identified within the manholes located on 19th Avenue.

3.2 SOIL GAS SAMPLING

A total of eight soil gas samples were collected from the site-related soil gas points with a mini-can (400 cc) equipped with a vacuum gauge and flow regulator. The vacuum gauge recorded at least 25" of mercury within each mini-can prior to soil gas sample collection. Each mini-can was filled with soil gas in approximately two to three minutes. The soil gas samples were submitted to Alpha Analytical for analysis of VOCs via EPA Method TO-15. A summary of the soil gas sample analytical results is presented on Table 4. A copy of the soil gas laboratory analytical report is included in Appendix B.

As noted on Table 4, none of the target VOC analytes in soil gas exceeded the available OSHA Permissible Exposure Limits established by the Environmental Protection Agency. As the results of soil gas analysis are compared to OSHA Permissible Exposure Limits, the standards represent a conservative screening of potential occupational exposures in occupied interior work spaces. Going forward, soil gas sampling results will be compared to the EPA Office of Solid Waste and Emergency Response (OSWER) soil gas screening criteria for commercial facilities.

4.0 SUMMARY OF REMEDIATION SYSTEM OPERATIONS

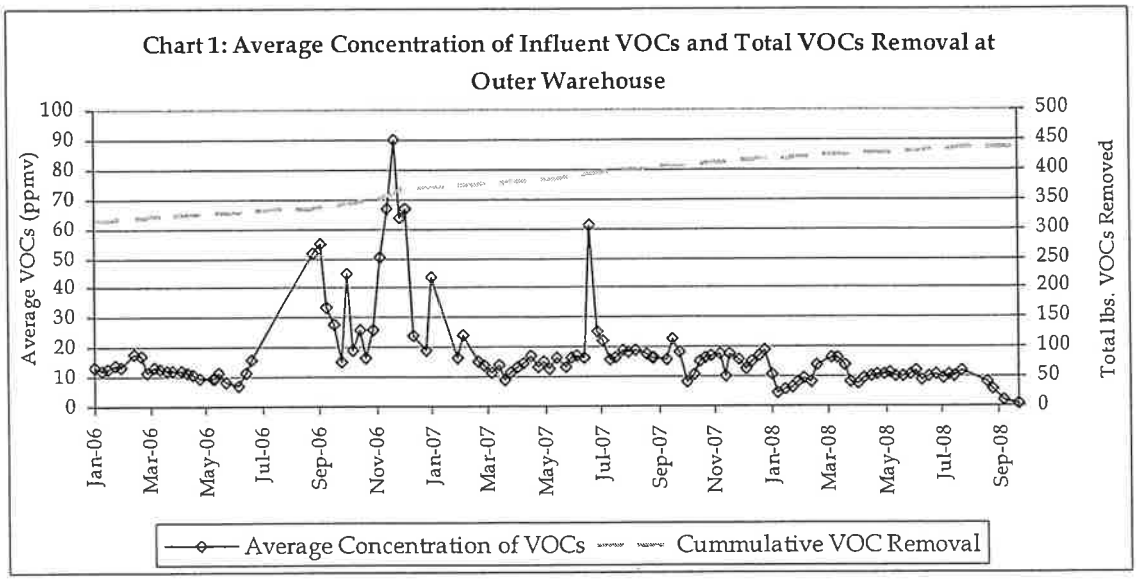
Two remedial systems were installed and are operating at the Site. Both remedial systems are SVE systems with carbon treatment of soil gas prior to discharge. The systems are referred to as the Outer Warehouse system and the 19th Avenue system. The Outer Warehouse system also has an air sparge system. A discussion of the operation and maintenance activities conducted on each remedial system is discussed below.

4.1 SVE SYSTEM OPERATIONS AND MAINTENANCE - OUTER WAREHOUSE

The Outer Warehouse SVE system was activated in November 2003. A complete summary of the installation and activation of the SVE/AS system was included in the As-Built Schematic, SVE/AS System Beneath Outer Warehouse letter dated September 2007. During the period of June 27, 2008 through October, 2008, the SVE system operated approximately 100% of the time (excluding intentional deactivations). TEI personnel intentionally deactivated the SVE/AS system on September 29, 2008 to allow the conditions on Site to return to static conditions for monitoring purposes and then re-activated on September 30, 2008. The SVE system operated at a flow rate of approximately 120 standard cubic feet per minute (scfm). VOC concentrations have ranged in the individual SVE legs from non-detect (less than 1 ppmv) to 22.4 ppmv, with a total VOC concentration ranging from non-detect (less than 1 ppmv) to 21 ppmv. Based on VOC concentration, system flow rate, and hours of operation, the SVE/AS system has removed approximately 2.4 pounds of VOCs in the reporting period and a total of approximately 436 pounds of VOCs as of October 31, 2008. Copies of each inspection report are included in Appendix C.

Vacuum influence data has been collected at soil gas monitoring points SGP-8 through SGP-13 on a monthly basis to ensure that all soil vapors in the unsaturated soils and the soil vapors created by sparging are captured and treated prior to discharge to the atmosphere. To date, the SVE system has maintained either a measurable vacuum or no vacuum in the soil gas monitoring points. This indicates that air being injected into the subsurface is not creating pressure and the soil vapor from the unsaturated soil and the soil vapors created by sparging (at a minimum) are being captured and treated prior to discharge. The estimated area of influence of the SVE vacuum is shown on Figure 5.

Each SVE system soil vapor off gas stream is treated using one 1,000-pound granular activated carbon (GAC) canister and one 200-pound GAC canister plumbed in series. Chart 1 shows the average photoionization detector (PID) concentration of soil gas into the treatment system and cumulative VOC removal. Refer to Table 5 for a tabulated summary of the SVE system performance monitoring information from January 2006 through November 4, 2008.



As shown on Chart 1, influent PID concentrations have been less than approximately 20 ppmv for more than a year. Overall VOC removal rates have reduced since January 2007. As part of ongoing performance monitoring, continuous system optimization shall be conducted to maximize VOC removal rates. As such, based upon analysis of historic soil vapor PID concentrations at each extraction point and flow rates, throttling of flow shall be adjusted to maximize VOC removal. Subsurface vacuum throughout the vicinity shall be monitored to assure a maximum area of vapor extraction is maintained and to mitigate potential migration of soil vapors off-site.

4.2 AS SYSTEM OPERATIONS AND MAINTENANCE-OUTER WAREHOUSE

The AS system was activated in May 2004. The AS system has two zones of three wells each. Each zone is controlled by timer-operated solenoid valves that switch zones every four hours. During the period of June 27, 2008, through October 31, 2008, the AS system operated approximately 100% of the time (excluding the intentional deactivations and timed operation). The AS system injection rate at each injection point operated at flow rates ranging from approximately 1 to 7 scfm. Injection pressures during operation ranged from approximately 7 to 13 psi per leg.

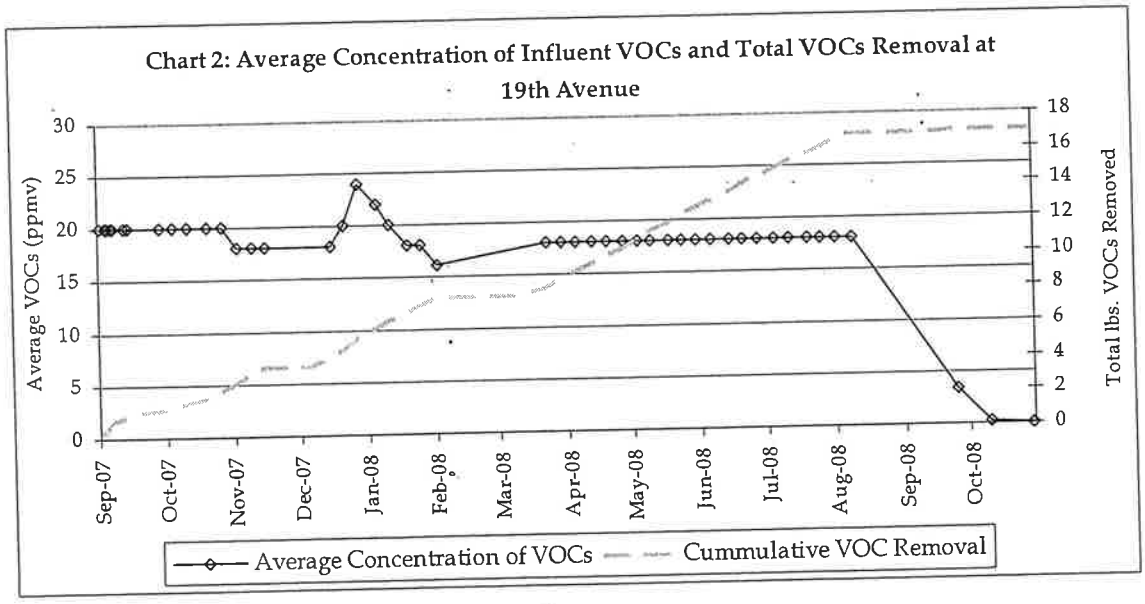
4.3 SVE SYSTEM OPERATIONS AND MAINTENANCE-19TH AVENUE

The 19th Avenue SVE system was activated in September 2007. On September 11, 2008, the remedial system malfunctioned and a fail-safe alarm was triggered on the control panel deactivating the system. On September 29, 2008, the vacuum sensor tubes were replaced and the system was returned to normal operation on September 30, 2008. During the period of June 27, 2008 through September, 2008, the SVE system operated approximately 98% of the time (excluding intentional deactivations). The SVE system operated at a flow rate ranging from approximately 120 scfm. Refer to Table 5 for well specific flow readings. VOC concentrations have ranged in the individual SVE legs from non-detect (less than 1 ppmv) to 7.2 ppmv, with a total VOC concentration ranging from 1.0 to 23.9 ppmv. Based on VOC concentration, system

flow rate, and hours of operation, the SVE system has removed approximately 3.0 pounds of VOCs in the reporting period and a total of approximately 16.9 pounds of VOCs as of October 31, 2008. Copies of each inspection report are included in Appendix C.

Vacuum influence data has been collected at soil gas monitoring points SGP-2 thorough SGP-7 and SGP-14 through SGP-19 on a monthly basis to ensure that all soil vapors in the unsaturated soils and the soil vapors created by sparging are captured and treated prior to discharge to the atmosphere. To date, the SVE system has maintained either a measurable vacuum or no vacuum in the wells monitored. This indicates that soil vapor from the unsaturated soil in the vicinity of 19th Avenue is being captured and treated prior to discharge. The estimated area of influence of the SVE vacuum is shown on Figure 5.

Each SVE system soil vapor off gas stream is treated using one 1,000-pound GAC canister and one 200-pound GAC canister plumbed in series. Chart 2 shows the average PID concentration of soil gas into the treatment system and cumulative VOC removal. Refer to Table 5 for a tabulated summary of the SVE system performance monitoring information from January 2006 through November 4, 2008.



As shown on Chart 2, influent PID concentrations have decreased after initiating soil vapor extraction from all extraction legs in September 2008. Inspection of the 19th Avenue remedial system has identified significant water within the SVE lines. Additionally, a low point with cleanouts in the SVE lines at the 19th Avenue curb accumulates water reducing air flow and diminishing soil vapor extraction and area of soil gas collection influence. As part of ongoing performance monitoring, continuous system optimization shall be conducted to maximize VOC removal rates. As such, based upon analysis of historic soil vapor PID concentrations at each extraction point and flow rates, throttling of flow shall be adjusted to maximize VOC removal. Subsurface vacuum throughout the vicinity shall be monitored to assure a maximum area of vapor extraction is maintained and to mitigate potential migration of soil vapors off-site.

4.4 MANAGEMENT OF REMEDIATION SYSTEM WASTE

During this reporting period, two drums of water were generated from the moisture separators on the treatment system. The water was disposed of as a hazardous waste. The uniform hazardous waste manifest numbers for disposal are 003748740 JJK and 003748207 JJK). Copies of the uniform hazardous waste manifests are included in Appendix D.

4.5 EXTENDED SVE/AS SYSTEM OPERATIONS AND MAINTENANCE PLAN

Extended operations and maintenance (O&M) visits for the on-site SVE and AS system(s) will continue to be performed at a frequency of two visits per month when the system is active. The frequencies for both remediation systems may be modified in the future, based on performance and operating history. The following activities will be completed during routine O&M visits (once every two weeks) and documented in the on-site log book:

- Monitoring of the vacuum applied to each active SVE wellhead at the manifold;
- Monitoring of the pressure applied to each sparge well;
- Monitoring of flow rates (or air velocity) of each SVE and sparge well;
- Monitoring of vacuums and pressures at the SVE and AS equipment; and
- Monitoring of VOC concentrations with a PID of the SVE influent air stream prior to treatment and the effluent air stream.

The following activities will be completed once per month during the routine O&M visits:

- Monitoring of vacuum readings at selected monitoring wells and soil gas points in order to estimate effective vacuum radial influence of the SVE system; and
- Monitoring of groundwater levels and DO and ORP readings in selected monitoring wells in order to evaluate the effects of sparging on groundwater.

Based on the vacuum, flow rates, and VOC concentrations coming from each SVE leg, valves will be adjusted to maximize efficiency of the SVE system. Based on groundwater analytical data the injection and extraction rates of the SVE/AS system will be adjusted to maximize remedial efforts.

The remedial system will continue to be operated, maintained, and evaluated at the Site until system performance parameters demonstrate asymptotic decline or otherwise indicate that costs associated with continued system operation outweighs the incremental benefits. As part of the continued O&M of the remediation system, system "cycling" or temporary de-activation will continue to be implemented to periodically evaluate static site conditions and to maximize the effectiveness of the system. Currently, air sparge wells AS-3, AS-4, AS-5, AS-6, and AS-8 are activated and will be adjusted semi-monthly to maximize VOC removal.

Based upon observed dissolved phase contamination concentration trends in the vicinity of the Outer Warehouse SVE/AS system, it is noted that more effective monitoring and evaluation of the remediation system could be achieved with supplemental monitoring well installations within the footprint of the outer warehouse portion of the subject building. Continued

evaluation of site conditions, including contaminant trends, dissolved phase areas of contamination, treatment system performance, etc. shall be conducted to determine the need for additional monitoring efforts, including but not limited to installation of additional monitoring wells, changes in monitoring frequency, etc. As part of the NYCRR Part 373 Corrective Action Permit Requirements for this Solid Waste Management facility, the integrity of the outer warehouse floor must be maintained and no preferential pathways to the subsurface can exist. TEI personnel will discuss any modifications of the monitoring system with the NYSDEC to address any data gaps.

4.6 EVALUATION CRITERIA FOR DEMONSTRATING EFFECTIVENESS OF REMEDIAL SYSTEMS

The anticipated effectiveness of the remedial system and monitored natural attenuation will be evaluated using the following criteria:

- Contaminant concentrations reducing to below the groundwater quality standards;
- Asymptotic decline of influent VOC concentrations throughout seasonal remedial system operations;
- Evaluation of the contaminant plume status indicates that it is shrinking vertically and horizontally via Mann-Kendall analysis; and
- No change in local land or groundwater use.

In an effort to further evaluate the effectiveness of the SVE/AS system, soil vapor samples will be periodically collected from the SVE system influent for laboratory analysis of VOC concentrations.

5.0 NATURE AND EXTENT OF CONTAMINATION

Based on investigations performed on the property, including data collected from environmental sampling of soil, soil gas, and groundwater, contaminants of concern (COC) for the property include chlorinated volatile organic compounds. Given the historic source removal via soil excavation and the solubility characteristics of the COCs, it is the opinion of TEI that soil is no longer a significant medium of concern at this Site; and thus, a detailed assessment of soil conditions was not included in this section.

5.1 SOURCE IDENTIFICATION

Based on a review of the historical data and regulatory submittals, the source of the chlorinated VOCs identified in soil and groundwater samples collected from the Site is associated with former operations at the Site as a hazardous waste management facility by Chemical Waste Disposal Corporation and Chemical & Solvent Distillers Co. Inc

5.2 IDENTIFICATION OF BACKGROUND CONDITIONS

As previously noted in section 2.1, oily liquids were observed within the road box of monitoring well MW-28 during the September 29, 2008 groundwater gauging event. The source of these oily liquids appears to be from off-site and associated with overland migration of washing fluids generated during the cleaning of mobile food service trucks at 42-7 19th Avenue property.

Secondly, a bus terminal is located at 19-41 42nd Street, immediately southwest of the Site. Motor vehicle service and repairs are performed at this property and there were formerly bulk underground storage tanks for fuel and may be serving as a contributing source of VOC impact to groundwater in the Site area.

5.3 EXTENT OF DISSOLVED-PHASE IMPACT IN GROUNDWATER

Historical groundwater sample analytical results are summarized in Table 2. As noted on Table 2, groundwater samples collected from site-related monitoring wells were analyzed for VOCs. Groundwater samples collected over the last year from site-related monitoring wells exhibited concentrations of tetrachloroethene, trichloroethylene, cis-1-2-dichloroethene, 1,1-dichloroethane, 1,1,1-trichloroethane, vinyl chloride, chloroethane, chloroform, benzene, toluene, ethylbenzene, total xylenes, naphthalene, and other alkylbenzenes/chlorobenzenes above their respective 6 NYCRR Part 703 NYSDEC Groundwater Quality Standards. While the detections of the chlorinated compounds have been identified in the samples collected from the site-related wells, with the exception of primarily vinyl chloride, the horizontal extent of groundwater impacted with these analytes appears to be adequately defined by monitoring wells MW-5, MW-7, MW -16, MW22S, MW-23R, MW-29S and MW-30. Currently, the existing monitoring well network has not provided a down-gradient point of compliance for dissolved-phase vinyl chloride.

To delineate the vertical extent of dissolved-phase impact at this Site, groundwater samples have been collected from monitoring wells MW-20D, MW-28D, and MW-29D to characterize the deeper portion of the aquifer. Groundwater samples collected from MW-20D, located in the source area, have historically exhibited concentrations of chlorinated VOCs in excess of the applicable 6 NYCRR Part 703 NYSDEC Groundwater Quality Standards. None of the target analytes were detected at concentrations in excess of the 6 NYCRR Part 703 NYSDEC Groundwater Quality Standards in the most recent sample collected from downgradient monitoring well MW-28D. With the exception of cis-1,2-dichlorethene and vinyl chloride, none of the target analytes were detected in the sample collected at monitoring well MW-29D were in excess of the applicable 6 NYCRR Part 703 NYSDEC Groundwater Quality Standards.

As part of the evaluation of concentration trends, a Mann-Kendall statistical trend analysis was performed for constituents that have been most consistently present in groundwater samples and exceed the applicable 6 NYCRR Part 703 NYSDEC Groundwater Quality Standards. The selected constituents include tri-chlorothene, tetrachloroethene, 1,1,1-trichloroethane, 1-1-dichloroethane, cis-1-2-dichloroethene, vinyl chloride, benzene, toluene, ethylbenzene, and total xylenes. Please note that a Mann-Kendall statistical trend analysis was not performed on monitoring wells that had 3 or less sampling events. In addition, select monitoring wells were

sampled in excess of 10 times since the well installation date; and thus, only the most recent ten sampling events were incorporated into the Mann-Kendall statistical trend analysis.

The Mann-Kendall test is conducted by evaluating each COC concentration against historical data to obtain negative and positive values indicative of the changes in geometry of the dissolved impact observed. In this test, results can vary from 0, indicative of stable/unchanging dissolved analyte concentrations or an insufficient data set to complete the test, to negative or positive values indicative of diminishing or increasing trends in dissolved analyte concentrations at that well, respectively. The greater the negative or positive value generated through this evaluation, the more statistically significant the results are viewed to be. The Mann-Kendall test results are then summarized in a format against a pre-determined chart to determine if values generated during this evaluation exceeded the pre-determined 90th percentile confidence level. Please refer to Table 6 for a summary of the results of the Mann-Kendall test.

As illustrated in Table 6, a negative trend (decreasing levels) was observed for one or more target constituents in 26 of the 30 monitoring well exposure point areas. A positive trend (increasing levels) was observed for vinyl chloride in monitoring wells MW-22S and MW-31; tetrachloroethene in monitoring wells MW-31 and MW-35; and trichlorethene, 1,1,1 trichloroethane, and 1,1-dichloroethane in monitoring well MW-35. There is no indication of any trend at or above the 90% confidence level for monitoring wells MW-27, MW-30, and MW-37.

Review of monitoring wells MW-20S and MW-20D finds unusual large increases and decreases in concentrations of benzene, 1,1-dichloroethane, cis-1,2-dichloroethene, and vinyl chloride. The compounds noted have been previously detected at each location. Monitoring well MW-20D was identified with increases and monitoring well MW-20S with decreases. The data from the event at each noted well was anomalous. Further monitoring of each location shall be conducted an each location shall be sampled during the upcoming monitoring event.

5.4 EXTENT OF SOIL GAS IMPACT

As previously noted, on September 30, 2008, a soil vapor screening was conducted with field screening of samples collected from vapor monitoring points SGP-2 through SGP-19 using a 11.7 electron volt FID. Concentrations detected ranged between non-detect to 81.2 ppmv. Please refer to Table 3 for a summary of soil vapor screening results.

Soil gas samples were collected from select soil gas points on September 30, 2008. As noted on Table 4, none of the target VOC analytes in soil gas exceeded the available permissible exposure limits established by the Environmental Protection Agency. Based on the most recent soil vapor screening and sampling results, indoor air impacts at the subject building, adjacent and off-site commercial buildings are unlikely to occur due to current VOC concentrations detected in groundwater. Continued soil vapor monitoring and indoor air monitoring, if appropriate, will continue at this Site as part of the operation, maintenance, and monitoring of the active remedial and monitored natural attenuation system programs. Vacuum influence gauging will be performed on each soil vapor sampling point. If vacuum is detected at equal or greater than one inch of water at a soil vapor sampling point, no sample will be collected from that location.

6.0 SITE CONCEPTUAL MODEL UPDATE

Based upon the historic investigations and remedial response actions conducted at this Site combined with recent response actions undertaken by TEI's environmental engineering division, a complete conceptual model for the Site has been developed and is summarized below:

- This Site is located in a commercial and industrial portion of Astoria, New York. The Site is owned and utilized TEI as a transfer station (temporary storage) handling wastes generally consisting of solvents, lab reagents, off-specification products, paint sludges, and pharmaceuticals. Prior to TEI owning the Site, Chemical Waste Disposal Corporation owned the property since at least the 1980's as a chemical transfer station. Properties within 1,000 feet of the Site consist primarily of commercial and industrial use;
- The Site and surrounding area is serviced with municipal water and sewer. No private or public drinking water supply wells are located within one mile of the site;
- For the purpose of this report, the Site is delineated on the Figure 2 as the Site Boundary and consists of the TEI offices and warehouse area;
- The site-related groundwater monitoring well network consists of twenty-seven shallow/intermediate overburden monitoring wells, three deep overburden monitoring wells, and twenty-two soil gas monitoring points;
- Depth to groundwater in the site-related monitoring wells has ranged from approximately three to five feet below grade. Historical groundwater gauging events conducted at this site indicate groundwater flow to be in a northeasterly direction toward the Bowery Bay;
- Sand, gravel, and cobbles have been identified as the primary migration pathway in the overburden for potential subsurface contamination at the Site. Previous investigations indicate subsurface fill material to approximately 20 to 22 feet below grade. Railroad ties, brick, ash, and cinder were documented to exist in the fill material within this area. Soil lithology below 22 feet consist of unconsolidated, moderately well-sorted medium to coarse sand;
- The source of chlorinated impact identified at this Site is associated with former operations at the Site as a hazardous waste management facility by Chemical Waste Disposal Corporation and Chemical & Solvent Distillers Co. Inc.;
- LNAPL was recently observed in groundwater monitoring well MW-28S at a thickness of approximately 0.01 feet. The apparent source of this LNAPL is associated with overland migration of washing fluids generated during the cleaning of mobile food service trucks at 42-7 19th Avenue. No LNAPL has been detected in monitoring well MW-28S since November 30, 2006. No DNAPL has been detected in the site-related monitoring wells since May 2003. Elevated concentrations of chlorinated compounds

indicate there is the potential for the presence of DNAPL, particularly in the vicinity of monitoring well MW-31;

- With the exception of vinyl chloride, the horizontal extent of dissolved phase volatile organic compounds is viewed to be adequately defined by the current monitoring well network. In regard to the vertical extent of groundwater impact at this Site, MW-20D represents the magnitude of the dissolved-phase chlorinated hydrocarbons within the deeper portion of the aquifer. With the exception of cis-1,2-dichlorethene and vinyl chloride, downgradient vertical extent of dissolved phase impact is defined by monitoring wells MW-28D and MW-29D;

- Based on Mann-Kendall statistical trend analysis, a decreasing and/or stable trend was observed in 27 of 30 Site-related monitoring wells for the predominant dissolved-phase VOC contaminants. Increasing trends were observed for select dissolved-phase contaminants in monitoring wells MW-22S, MW-31, and MW-35;

- Commercial and industrial buildings at Site and in the immediate vicinity are constructed with a concrete slab on grade. No basements were observed in the Site vicinity. Based on the most recent soil vapor screening and sampling results, indoor air impacts at the Site buildings and adjacent and off-site commercial buildings are unlikely to occur due to current VOC concentrations detected in groundwater;

- An SVE/AS system is currently operating inside the Outer Warehouse on the TEI facility. An SVE only system is operating in front of the TEI facility along 19th Avenue. Approximately 452.9 pounds of total VOC mass has been recovered to date by both remediation systems;

- Evaluation on the effectiveness of the ICM and associated remediation systems will be conducted on an ongoing basis. If performance criteria or site conditions warrant additional work, notification and submission of corrective measures and/or appropriate activities shall be made to the NYSDEC. These activities may include, but are not limited to installation of groundwater monitoring wells within the footprint of the outer warehouse concrete floor,. modification of environmental monitoring schedules, modification to the SVE/AS system(s), etc.;

- Due to the shallow groundwater table observed in the vicinity of the 19th Avenue SVE remediation system, overall system performance is limited due to water buildup in the vapor extraction lines. Secondly, the 19th Avenue SVE system is not currently designed to remediate the dissolved-phase impact in the deeper portion of the aquifer.

7.0 UPDATED COMMUNICATION PLAN

Communication throughout the process is extremely important to successfully execute the work safely and effectively. A summary of key personnel and agencies involved with the implementation activities at the Site is referenced below. In the event that important issues develop at the Site, including but not limited to a health and safety incident, unauthorized visitor, or significant change in scope, the key personnel/agencies will be notified within that

same day and made aware of the issue, its consequences, and resolution. All contact information will be verified and updated as necessary during the implementation activities.

Mr. Thomas Goss: Facility Manager: 42-14 19th Avenue Astoria, Queens, New York 11105-1082 (800) 427-3320	Mr. Vimal Minocha, P.E.: Environmental Engineer Bureau of Solid Waste & Corrective Action Division of Solid & Hazardous Waste NYSDEC: 625 Broadway Albany, New York 12233-7258
Mr. Craig Sasse: Project Manager Triumvirate Environmental Incorporated 61 Inner Belt Road Somerville, Massachusetts 02143 (800) 966-9282	Dawn Hettrick, P.E. Senior Sanitary Engineer State of New York Department of Health Flanigan Square, 547 River Street Troy, New York 12180-2216 (518) 402-7880
Mr. James Reidy, Chief US EPA, RCRA Program Branch – NY Section, USEPA Region 2 US EPA Region 2 290 Broadway New York, New York 10007-1866	

8.0 CONCLUSIONS

In accordance with the August 2006 *Supplemental Work Plan for ICM Expansion* the SVE remedial system at 19th Avenue has been operated, inspected, and maintained. The existing Outer Warehouse SVE/AS remedial system has been operated, inspected, and maintained. Performance information for the remedial systems shows 5.4 pounds of total VOC mass were removed this reporting period and a total of approximately 452.9 pounds of total VOC mass has been recovered to-date. The operation of each system maintains negative pressure and mitigates significant vapor migration from the areas of contamination.

On September 30, 2008, soil vapor sampling was conducted in accordance with the August 2006 *Supplemental Work Plan for Soil Vapor Sampling*. Laboratory analysis results for the soil vapor sampling identified none of the VOC concentrations above the available permissible exposure limits established by the Environmental Protection Agency. Based on the most recent soil vapor screening and sampling results, indoor air impacts to buildings on the Site or in the vicinity are unlikely to occur. Continued soil gas analysis shall continue to evaluate the effectiveness of the 19th Avenue SVE system in controlling off-Site migration.

Groundwater monitoring wells were sampled on September 29 and 30, 2008 for the third sampling event in 2008. Groundwater monitoring was performed in accordance with the NYSDEC scope approved on June 13, 2006. Groundwater sampling was conducted on each accessible groundwater monitoring well. The results of the sampling event were compared to

data from the last year from site-related monitoring wells. Chlorinated petroleum hydrocarbons remain above their respective 6 NYCRR Part 703 NYSDEC Groundwater Quality Standards on the Site and off-site.

Section 9.0 is a Work Plan which includes activities to be conducted, timeline to complete activities, and report submittal dates.

9.0 WORK PLAN

The schedule for remedial system operations, monitoring, and reporting at this Site is as follows:

- SVE/AS Operations and Maintenance Visits – Semi-Monthly;
- Monitoring Well Repair - November, 2008;
- Groundwater Monitoring and Sampling Events – February (limited), June (comprehensive), and October (limited) as stated in Table 5: Groundwater Monitoring Schedule of the *RCRA Focused Corrective Measures Study*, dated May 2007, revised July 23, 2007;
- Soil Gas Monitoring and Sampling Events - February, June , October;
- Stormwater Discharge Sampling - February, June, and October;
- System O&M, Groundwater and Soil Gas Monitoring Reports – 30th of March, July, and November;
- Update and Submit Financial Assurance Report – March; and
- Develop and Submit Soil Management Plan – July.

Reports shall be prepared in accordance with the above schedule and shall include the following information:

1.0 Introduction
  1.1 Background Information
  1.2 Scope of Work
2.0 Site and Location Description
  2.1 Release Site Description
  2.2 Sensitive Receptors
3.0 Groundwater Monitoring Activities
  3.1 Monitoring Well Gauging
  3.2 Groundwater Sample Collection
  3.3 Site Hydrogeological Characteristics
4.0 Soil Vapor Monitoring Activities
  4.1 Soil Gas Screening
  4.2 Soil Gas Sample Collection and Analysis

5.0 Stormwater/Utility Manhole Assessment Activities
6.0 Summary of Remedial System Activities
    6.1 SVE System Operations and Maintenance - Outer Warehouse
    6.2 AS System Operations and Maintenance-Outer Warehouse
    6.3 SVE System Operations and Maintenance-19th Avenue
    6.4 Management of Remediation System Waste
7.0 Site Conceptual Model Update
8.0 Conclusions
9.0 Schedule of Upcoming Response Actions

Updated tables with appended information including groundwater analytical results, soil gas screening and analytical results, remedial system operation and maintenance information, etc. Copies of all laboratory analytical reports and waste disposal/recycling information shall be appended to the submittal.

10.0 LIMITATIONS AND CONDITIONS

This Summary Report is based on the conditions existing at the Site on the dates of site visits and field investigation activities. Past conditions are considered on the basis of readily available records, interviews, and recollections. Site conditions are subject to variations and changes over time. This report was based on the current fully implemented environmental regulations. Future regulatory modifications, agency interpretations and/or changes may affect the environmental status of the Site. This report was prepared for the sole use of the Triumvirate Environmental, Inc. This report and findings contained herein shall not, in whole or in part, be disseminated or conveyed to any other party, nor used by any other party in whole or in part, without the prior written consent of Triumvirate Environmental, Inc.

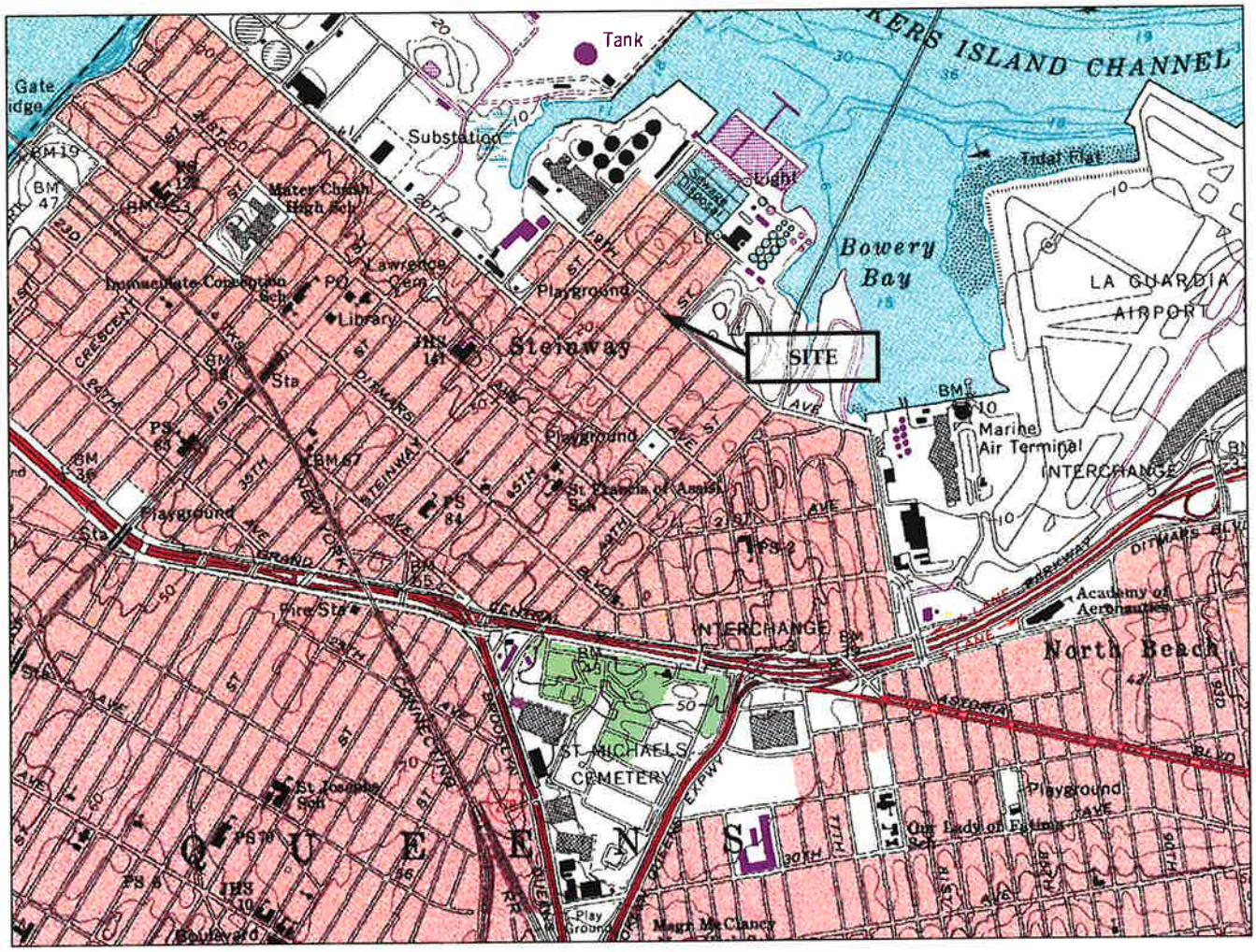


FIGURE 1: USGS LOCUS MAP

42-14 19th Avenue
Astoria, NY

Excerpt from the USGS Topographic Map
Central Part, NY-NJ Quadrangle, 1966, rev. 1979

No Scale

TRIUMVIRATE ENVIRONMENTAL

TRIUMVIRATE ENVIRONMENTAL, INC.
61 Inner Belt Road
Somerville, MA 02143
(800) 966-9282, Fax: (617) 628-8099

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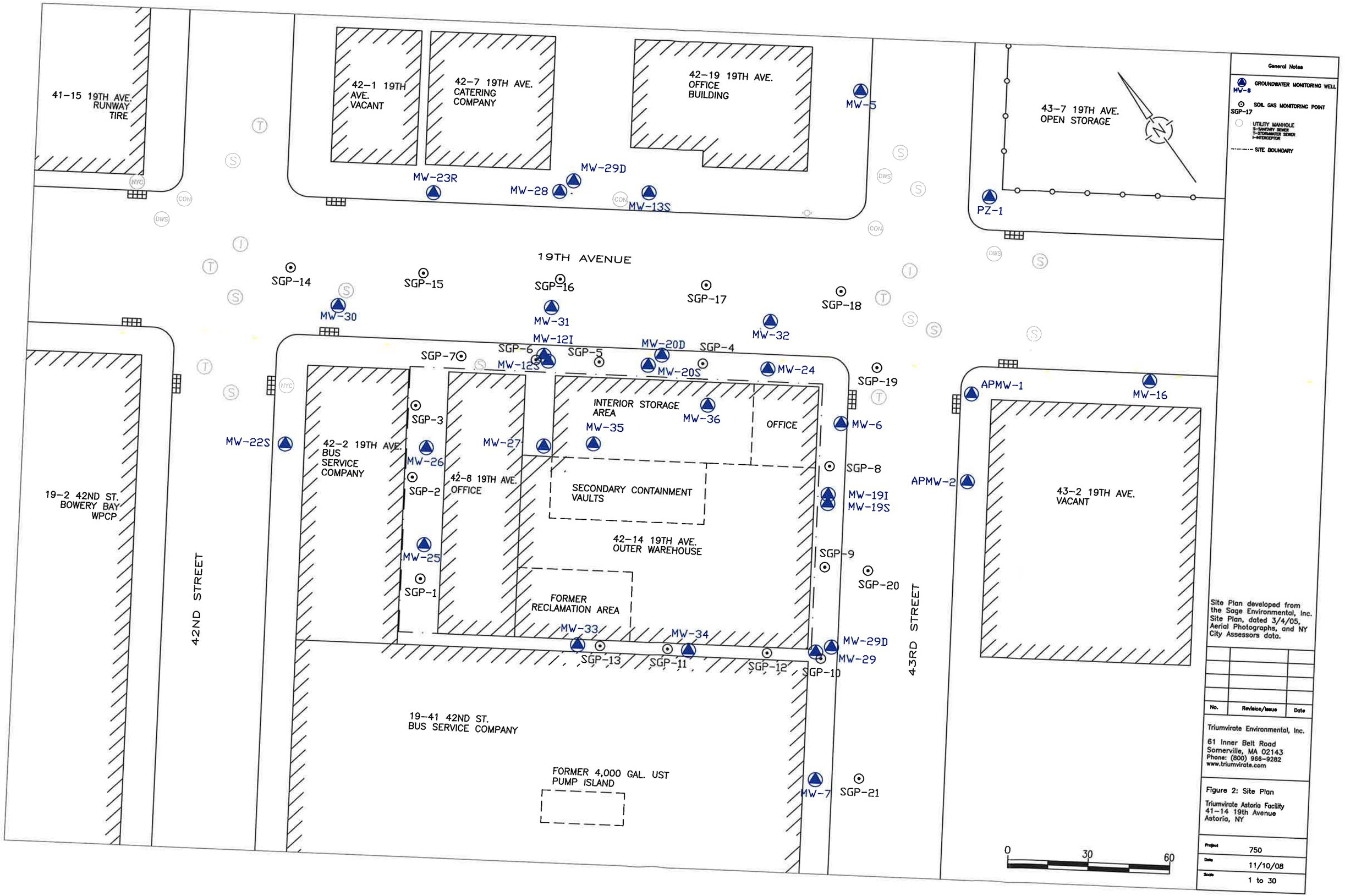

41–15 19TH AVE.
RUNWAY
TIRE
42–1 19TH
AVE.
VACANT
42–7 19TH AVE.
CATERING
COMPANY
42–19 19TH AVE.
OFFICE
BUILDING
MW-5
43–7 19TH AVE.
OPEN STORAGE
PZ-1
MW-23R
MW-28
MW-29D
MW-13S
19TH AVENUE
SGP-14
SGP-15
SGP-16
SGP-17
SGP-18
MW-30
MW-31
MW-12I
MW-12S
MW-32
SGP-7
SGP-6
SGP-5
MW-20D
MW-20S
SGP-4
MW-24
SGP-19
APMW-1
MW-16
INTERIOR STORAGE
AREA
MW-35
MW-36
OFFICE
MW-6
SGP-3
MW-22S
42–2 19TH AVE.
BUS
SERVICE
COMPANY
MW-27
MW-26
SGP-2
42–8 19TH AVE.
OFFICE
SGP-8
APMW-2
43–2 19TH AVE.
VACANT
SECONDARY CONTAINMENT
VAULTS
MW-19I
MW-19S
19–2 42ND ST.
BOWERY BAY
WPCP
42–14 19TH AVE.
OUTER WAREHOUSE
MW-25
SGP-1
SGP-9
SGP-20
42ND STREET
FORMER
RECLAMATION AREA
MW-33
MW-34
MW-29D
MW-29
SGP-13
SGP-11
SGP-12
SGP-10
43RD STREET
19–41 42ND ST.
BUS SERVICE COMPANY
FORMER 4,000 GAL. UST
PUMP ISLAND
MW-7
SGP-21
0
30
60
General Notes
GROUNDWATER MONITORING WELL
MW-#
SOIL GAS MONITORING POINT
SGP-17
UTILITY MANHOLE
S-SANITARY SEWER
T-STORMWATER SEWER
I-INTERCEPTOR
SITE BOUNDARY
Site Plan developed from the Sage Environmental, Inc. Site Plan, dated 3/4/05, Aerial Photographs, and NY City Assessors data.
No.
Revision/Issue
Date
Triumvirate Environmental, Inc.
61 Inner Belt Road
Somerville, MA 02143
Phone: (800) 966-9282
www.triumvirate.com
Figure 2: Site Plan
Triumvirate Astoria Facility
41–14 19th Avenue
Astoria, NY
Project
750
Date
11/10/08
Scale
1 to 30

41–15 19TH AVE.
RUNWAY
TIRE

42–1 19TH
AVE.
VACANT

42–7 19TH AVE.
CATERING
COMPANY

42–19 19TH AVE.
OFFICE
BUILDING

MW-5

43–7 19TH AVE.
OPEN STORAGE

PZ-1

MW-29D
MW-23R
MW-28
MW-13S

90.00

19TH AVENUE

88.00

MW-30

MW-31
MW-12I

MW-32 90.00

MW-20D
MW-20S
MW-12S

MW-24

92.00

INTERIOR STORAGE
AREA

MW-36

OFFICE

MW-6

APMW-1

MW-16

MW-35

MW-27

92.00

MW-22S

42–2 19TH AVE.
BUS
SERVICE
COMPANY

MW-26

42–8 19TH AVE.
OFFICE

SECONDARY CONTAINMENT
VAULTS

MW-19I
MW-19S

APMW-2

43–2 19TH AVE.
VACANT

19–2 42ND ST.
BOWERY BAY
WPCP

42ND STREET

42–14 19TH AVE.
OUTER WAREHOUSE

MW-25

FORMER
RECLAMATION AREA

MW-33
MW-34

MW-29D
MW-29

43RD STREET

19–41 42ND ST.
BUS SERVICE COMPANY

FORMER 4,000 GAL. UST
PUMP ISLAND

MW-7

0 30 60

General Notes

MW-# GROUNDWATER MONITORING WELL

UTILITY MANHOLE
S–SANITARY SEWER
T–STORMWATER SEWER
I–INTERCEPTOR

90.00 GROUNDWATER ISOCONTOUR FROM 9/29/2008

Site Plan developed from the Sage Environmental, Inc. Site Plan, dated 3/4/05, Aerial Photographs, and NY City Assessors data.

No.	Revision/Issue	Date

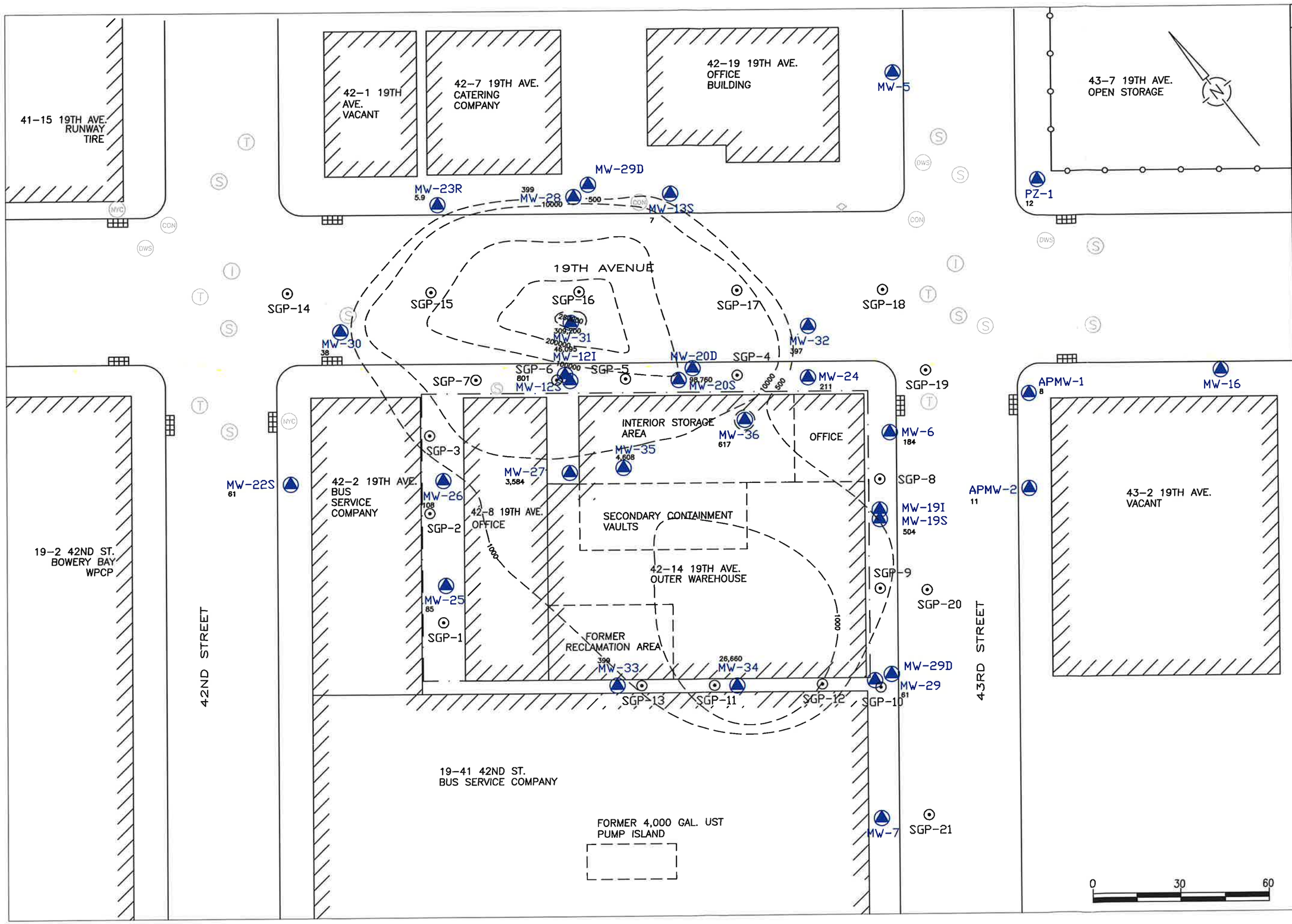
Triumvirate Environmental, Inc.

61 Inner Belt Road
Somerville, MA 02143
Phone: (800) 966–9282
www.triumvirate.com

Figure 3: Groundwater Contours

Triumvirate Astoria Facility
41–14 19th Avenue
Astoria, NY

Project	750
Date	11/10/08
Scale	1 to 30



General Notes

GROUNDWATER MONITORING WELL
TOTAL VOCs CONCENTRATIONS IN ug/L SHOWN

SOIL GAS MONITORING POINT

UTILITY MANHOLE
S–SANITARY SEWER
T–STORMWATER SEWER
I–INTERCEPTOR

TOTAL VOCs CONCENTRATION ISOCONTOUR

Site Plan developed from the Sage Environmental, Inc. Site Plan, dated 3/4/05, Aerial Photographs, and NY City Assessors data.

No.	Revision/Issue	Date

Triumvirate Environmental, Inc.

61 Inner Belt Road
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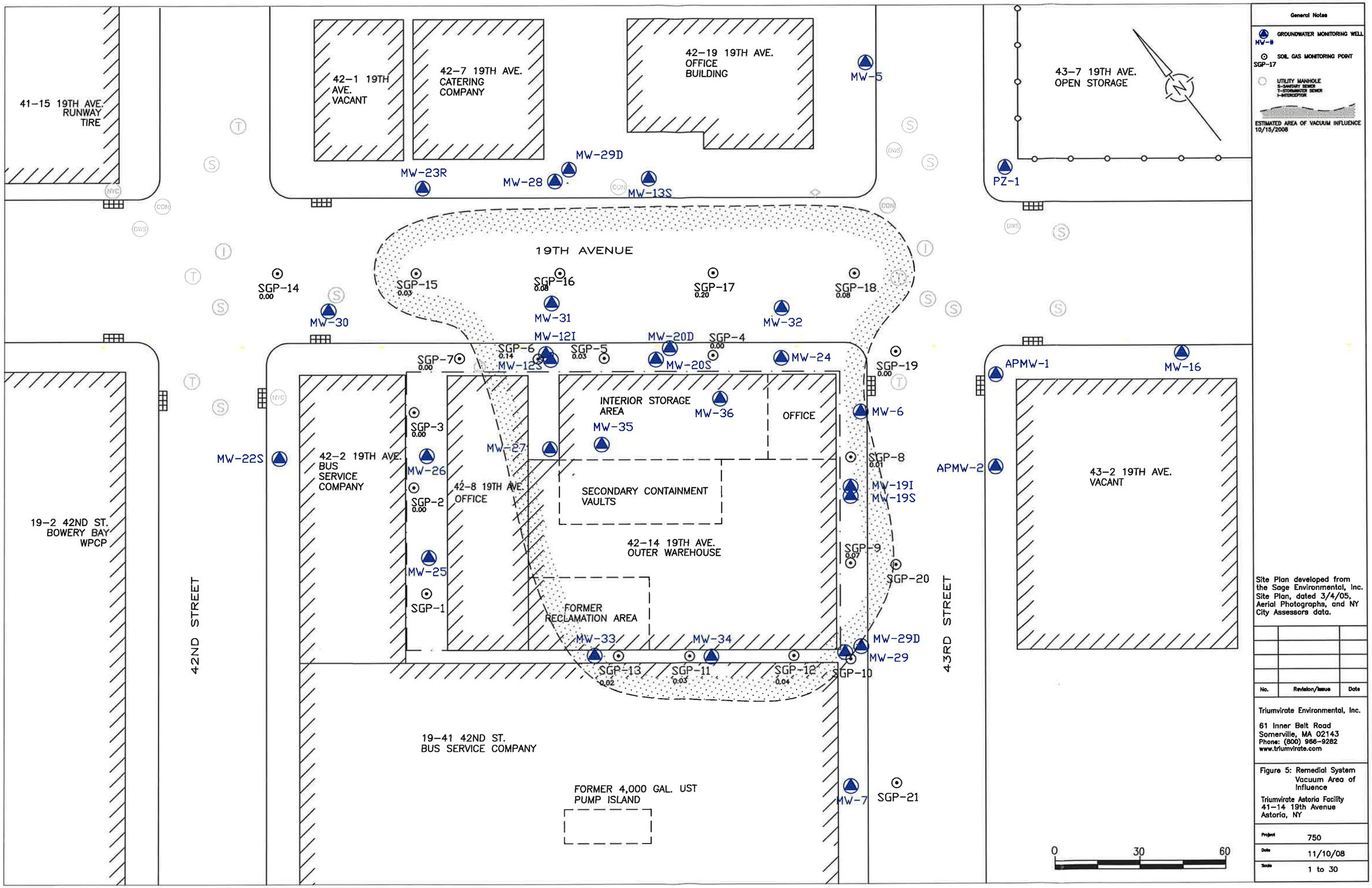
www.triumvirate.com

Figure 4: Total VOCs in Groundwater Isocontours

Triumvirate Astoria Facility
41–14 19th Avenue
Astoria, NY

Project	750
Date	11/10/08
Scale	1 to 30



General Notes

MW-# GROUNDWATER MONITORING WELL

SGP-17 SOIL GAS MONITORING POINT

UTILITY MANHOLE
S-SANITARY SEWER
T-STORMWATER SEWER
I-INTERCEPTOR

ESTIMATED AREA OF VACUUM INFLUENCE 10/15/2008

Site Plan developed from the Sage Environmental, Inc. Site Plan, dated 3/4/05, Aerial Photographs, and NY City Assessors data.

No.	Revision/Issue	Date

Triumvirate Environmental, Inc.

61 Inner Belt Road
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www.triumvirate.com

Figure 5: Remedial System Vacuum Area of Influence

Triumvirate Astoria Facility
41–14 19th Avenue
Astoria, NY

Project	750
Date	11/10/08
Scale	1 to 30

Table 1
Summary of Monitoring Well Gauging Data
Triumvirate Enviornmental, Inc.
42-14 19th Avenue
Astoria, New York

Monitoring Well Identification	Gauging Date	Well Elevation (feet)	Depth to NAPL (feet)	Depth to Water (feet)	Thickness of NAPL (feet)	Groundwater Elevation (feet)	Top of Screen Elevation (feet)	Comments
MW-5	9/29/2008	96.51		6.62		89.89		
MW-6	9/29/2008	96.63		4.04		92.59		
MW-12S	9/29/2008	86.38		3.79		82.59		
MW-12I	9/29/2008	96.24		3.90		92.34		
MW-13S	9/29/2008	96.46		6.89		89.57		
MW-16	9/29/2008	96.53		3.84		92.69		
MW-19S	9/29/2008	97.14		4.51		92.63		
MW-20S	9/29/2008	96.42		4.97		91.45		
MW-20D	9/29/2008	96.62		6.90		89.72		
MW-22S	9/29/2008	96.21		3.69		92.52		
MW-23R	9/29/2008	95.85		6.38		89.47		
MW-24	9/29/2008	96.86		4.89		91.97		
MW-25	9/29/2008	97.62		4.91		92.71		
MW-26	9/29/2008	97.17		4.46		92.71		
MW-27	9/29/2008	99.44		7.76		91.68		
MW-28S	9/29/2008	96.07	Trace	6.77	0.01	89.30		Oil noted.
MW-28D	9/29/2008	96.08		6.57		89.51		
MW-29S	9/29/2008	97.89		5.15		92.74		
MW-29D	9/29/2008	97.80		7.26		90.54		
MW-30	9/29/2008	95.90		8.65		87.25		
MW-31	9/29/2008	95.90		4.42		91.48		
MW-32	9/29/2008	96.62		8.47		88.15		
MW-33	9/29/2008	97.52		4.80		92.72		
MW-34	9/29/2008	97.32		4.85		92.47		
MW-35	9/29/2008	99.28		6.64		92.64		
MW-36	9/29/2008	99.34		6.80		92.54		Chemical odor.
PZ-1	9/29/2008	96.45		6.19		90.26		
APMW-1	9/29/2008	96.38		3.74		92.64		
APMW-2	9/29/2008	97.13		4.21		92.92		

Notes:
ND= Not Detected
NAPL= Non-Aqueous Phase Liquid
NA- Not Applicable

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date / Analyte	Concentration MW-5											NYSDEC Groundwater Standard
	9/16/04	1/19/05	4/27/05	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	9/29/08	6 NYCRR Part 703
Volatiles by 8260B (ug/L):													
Acetone	<60	<40	<40	Not Sampled	Not Sampled	Not Sampled	<15	*Not Sampled	Not Sampled	<5	Not Sampled	<5.0	NE
Acrylonitrile	<75[c]	<50[c]	<50[c]				<3			<5		<5.0	5
Benzene	<15[c]	<10[c]	<10[c]				<2[c]			<1		<0.50	1
Bromobenzene	<15[c]	<10[c]	<10[c]				<3			<1		<2.5	5
Bromochloromethane	<15[c]	<10[c]	<10[c]				<3			<1		<2.5	5
Bromodichloromethane	<15	<10	<10				<3			<1		<0.50	NE
Bromoform	<15[c]	<10[c]	<10[c]				<3			<1		<2.0	5
Bromomethane	<15[c]	<10[c]	<10[c]				<3			<1		<1.0	5
2-Butanone (MEK)	<30	<20	<20				<15			<5		<5.0	NE
n-Butylbenzene	<15[c]	<10[c]	<10[c]				<3			<1		<0.50	5
sec-Butylbenzene	<15[c]	<10[c]	<10[c]				<3			<1		<0.50	5
tert-Butylbenzene	<15[c]	<10[c]	<10[c]				<3			<1		<2.5	5
Carbon disulfide	<15	<10	<10				<3			<5		<5.0	NE
Carbon tetrachloride	<15[c]	<10[c]	<10[c]				<3			<1		<0.50	5
Chlorobenzene	<15[c]	<10[c]	<10[c]				<3			<1		<0.50	5
Chloroethane	<15[c]	<10[c]	<10[c]				<3			<1		<1.0	5
Chloroform	<15[c]	<10[c]	<10[c]				<3			<1		<0.75	7
Chloromethane	<15[c]	<10[c]	<10[c]				<3			<1		<2.5	5
2-Chlorotoluene	<15[c]	<10[c]	<10[c]				<3			<1		<2.5	5
4-Chlorotoluene	<15[c]	<10[c]	<10[c]				<3			<1		<2.5	5
1,2-Dibromo-3-chloropropane (DBCP)	<15[c]	<4[c]	<10[c]				<3[c]			<1[c]		<2.5[c]	0.04
Dibromochloromethane	<15[c]	<10[c]	<10[c]				<3			<1		<0.50	5
1,2-Dibromoethane (EDB)	<15[c]	<10[c]	<10[c]				<3[c]			<1[c]		<2.0[c]	0.0006
Dibromomethane	<15[c]	<10[c]	<10[c]				<3			<1		<5.0	5
1,2-Dichlorobenzene	<15[c]	<10[c]	<10[c]				<3			<1		<2.5	5
1,3-Dichlorobenzene	<15[c]	<10[c]	<10[c]				<3			<1		<2.5	5
1,4-Dichlorobenzene	<15[c]	<10[c]	<10[c]				<3			<1		<2.5	5
Dichlorodifluoromethane	<15[c]	<10[c]	<10[c]				<3			<1		<5.0	5
1,1-Dichloroethane	17[c]	11[c]	15[c]				17[c]			5.3[c]		8.1[c]	5
1,2-Dichloroethane	<15[c]	<10[c]	<10[c]				<3[c]			<1[c]		<0.50	0.6
1,1-Dichloroethene	<15[c]	<10[c]	<10[c]				<3			<1		<0.50	5
cis-1,2-Dichloroethene	280[c]	220[c]	270[c]				318[c]			93[c]		44[c]	5
trans-1,2-Dichloroethene	<15[c]	<10[c]	<10[c]				<3			2.2		1.4	5
1,2-Dichloropropane	<15[c]	<10[c]	<10[c]				<3[c]			<1		<1.0[c]	1
1,3-Dichloropropane	<15[c]	<10[c]	<10[c]				<3			<1		<2.5	5
2,2-Dichloropropane	<15[c]	<10[c]	<10[c]				<3			<1		<2.5	5
1,1-Dichloropropene	<15[c]	<10[c]	<10[c]				<3			<1		<2.5	5
cis-1,3-Dichloropropene	<15[c]	<10[c]	<10[c]				<3[c]			<1[c]		<0.50[c]	0.4
trans-1,3-Dichloropropene	<15[c]	<10[c]	<10[c]				<3[c]			<1[c]		<0.50[c]	0.4
1,4-Diethylbenzene	NA	NA	NA				NA			NA		<2.0	NE
Ethylbenzene	<15[c]	<10[c]	<10[c]				<3			<1		<0.50	5
4-Ethyltoluene	NA	NA	NA				NA			NA		<2.0	NE
Hexachlorobutadiene	<15[c]	<10[c]	<10[c]				<3[c]			<1[c]		<0.60[c]	0.5
2-Hexanone	<30	<20	<20				<15			<5		<5.0	NE
Isopropylbenzene	<15[c]	<10[c]	<10[c]				<3			<1		<0.50	5
4-Isopropyltoluene	<15[c]	<10[c]	<10[c]				<3			<1		<0.50	5
Methyl tert-butyl ether (MTBE)	<15	<10	<10				<3			4.8		1.3	NE
4-Methyl-2-pentanone (MIBK)	<30	<20	<20				<15			<5		<5.0	NE
Methylene chloride	<15[c]	<10[c]	<10[c]				<3			<1		<5.0	5
Naphthalene	<15[c]	<10	<10				9.5			<1		<2.5	10
n-Propylbenzene	<15[c]	<10[c]	<10[c]				<3			<1		<0.50	5
Styrene	<15[c]	<10[c]	<10[c]				<3			<1		<1.0	5
1,2,3-Trichloropropane	<15[c]	<10[c]	<10[c]				<3			<1		<5.0	5
1,1,1,2-Tetrachloroethane	<15[c]	<10[c]	<10[c]				<3			<1		<0.50	5
1,1,2,2-Tetrachloroethane	<15[c]	<10[c]	<10[c]				<3			<1		<0.50	5
Tetrachloroethene (PCE)	<20[c]	<10[c]	16[c]				8.5[c]			4.2		0.91	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA				NA			NA		<2.0	NE
Toluene	<15[c]	<10[c]	<10[c]				<3			<1		<0.75	5
1,2,3-Trichlorobenzene	<15[c]	<10[c]	<10[c]				<3			<1		<2.5	5
1,2,4-Trichlorobenzene	<15[c]	<10[c]	<10[c]				<3			<1		<2.5	5
1,1,1-Trichloroethane	<15[c]	<10[c]	<10[c]				<3			<1		<0.50	5
1,1,2-Trichloroethane	<15[c]	<10[c]	<10[c]				<3[c]			<1		<0.75	1
Trichloroethene (TCE)	57[c]	36[c]	51[c]				47[c]			19[c]		10[c]	5
Trichlorofluoromethane	<15[c]	<10[c]	<10[c]				<3			<1		<2.5	5
1,2,4-Trimethylbenzene	<15[c]	<10[c]	<10[c]				<15[c]			<3		<2.5	5
1,3,5-Trimethylbenzene	<15[c]	<10[c]	<10[c]				<3			<1		<2.5	5
Vinyl acetate	NA	NA	NA				NA			NA		<5.0	NE
Vinyl chloride	71[c]	50[c]	62[c]				140[c]			55[c]		24[c]	2
Total Xylenes	<15[c]	<10[c]	<10[c]				<3			<1		<1.0	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NA: Not analyzed
NE: No allowable limit is established for the substance
<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)

Sample Results:
c: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date / Analyte	MW-4																						NYSDEC Groundwater Standard 6 NYCRR Part 703
	9/16/04	1/19/05	1/19/05 (Dup)	4/27/05	8/17/05	8/17/05 (Dup)	11/30/05	11/30/05 (Dup)	2/7/06	2/7/06 (Dup)	5/24/06	5/24/06 (Dup)	11/30/06	11/30/06 (Dup)	2/8/07	2/8/07 (Dup)	6/14/07	6/14/07 (Dup)	10/18/07	10/18/07 (Dup)	6/18/08	9/29/08	
Volatiles by 8260B (ug/L):																							
Acetone	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<5	<5	<20	<20	<5	<5	<5	<5	<10	<10	<10	<25	NE
Acrylonitrile	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<1	<1	<25[c]	<25[c]	<5	<5	<5	<5	<0.5	<0.5	<0.5	<25[c]	5
Benzene	9.3[a]	15[a]	16[a]	7.4[a]	18[a]	19[a]	13[a]	15[a]	14[a]	14[a]	13[a]	12[a]	11[a]	10[a]	9.4[a]	9.4[a]	9.9[a]	10[a]	5.3[a]	8[a]	<1.0	8.8[a]	1
Bromobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<12[c]	5
Bromochloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<2.5	5
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<12	NE
Bromoform	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<10[c]	5
Bromomethane	<5	<5	<5	<5	<5	<5	<10[c]	<10[c]	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<5	5
2-Butanone (MEK)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5	<5	<5.0	<25	NE
n-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1.5	1.2	<5	<5	3.2	3.2	2	2.4	<1	<1	2.4	<2.5	5
sec-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	5.1[a]	5.6[a]	2.5	<1	3.4	3.6	5
tert-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	2.2	<1	<5	<5	2.9	2.8	2.3	2.7	<1	1.8	1.8	<12[c]	5
Carbon disulfide	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<5	<5	<5	<5	<1	<1	<1.0	<25	NE
Carbon tetrachloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<2.5	5
Chlorobenzene	60[a]	96[a]	90[a]	59[a]	77[a]	73[a]	71[a]	85[a]	100[a]	97[a]	130[a]	130[a]	150[a]	140[a]	150[a]	150[a]	150[a]	150[a]	76[a]	130[a]	97[a]	150[a]	5
Chloroethane	<5	<5	<5	<5	5.6[a]	7.4[a]	<10[c]	<10[c]	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<5	5
Chloroform	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<3.8	7
Chloromethane	<5	<5	<5	<5	<5	<5	<10[c]	<10[c]	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<12[c]	5
2-Chlorotoluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<12[c]	5
4-Chlorotoluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<12[c]	5
1,2-Dibromo-3-chloropropane (DBCP)	<3[c]	<2[c]	<2[c]	<5[c]	<2[c]	<2[c]	<5[c]	<3[c]	<5[c]	<5[c]	<1[c]	<1[c]	<5[c]	<5[c]	<1[c]	<1[c]	<1[c]	<1[c]	<0.5[c]	<0.5[c]	<0.5	<12[c]	0.04
Dibromochloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<0.5	<0.5	<0.5	<25[c]	5
1,2-Dibromoethane (EDB)	<3[c]	<3[c]	<3[c]	<5[c]	<3[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1[c]	<1[c]	<5[c]	<5[c]	<1[c]	<1[c]	<1[c]	<1[c]	<0.5[c]	<0.5[c]	<0.5	<10[c]	0.0006
Dibromomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<12[c]	5
1,2-Dichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	3.9	3.7	<5	<5	2.2	2.4	2.2	2.4	<1	2.3	1.8	<2.5	5
1,3-Dichlorobenzene	5.9[a]	8.9[a]	7.9[a]	5.1[a]	7.8[a]	7.4[a]	8.2[a]	10[a]	11[a]	11[a]	20[a]	18[a]	15[a]	14[a]	16[a]	15[a]	15[a]	17[a]	2	8.2[a]	5	<12[c]	5
1,4-Dichlorobenzene	6.2[a]	8.9[a]	8.4[a]	5.6[a]	8.2[a]	7.9[a]	7.7[a]	9.6[a]	10[a]	10[a]	16[a]	15[a]	21[a]	19[a]	20[a]	20[a]	17[a]	19[a]	4	14[a]	13[a]	13[a]	5
Dichlorodifluoromethane	<5	<5	<5	<5	<5	<5	<10[c]	<10[c]	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<25[c]	5
1,1-Dichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<3.8	5
1,2-Dichloroethane	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1[c]	<1[c]	<5[c]	<5[c]	<1[c]	<1[c]	<1[c]	<1[c]	<1[c]	<1[c]	<1.0[c]	<2.5[c]	0.6
1,1-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<2.5	5
cis-1,2-Dichloroethene	28[a]	<5	<5	5.5[a]	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<2.5	5
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<3.8	5
1,2-Dichloropropane	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1	<1	<5[c]	<5[c]	<1	<1	<1	<1	<1	<1	<1.0	<12[c]	1
1,3-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<12[c]	5
2,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<12[c]	5
1,1-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<0.5	<12[c]	5
cis-1,3-Dichloropropene	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1[c]	<1[c]	<5[c]	<5[c]	<1[c]	<1[c]	<1[c]	<1[c]	<0.5[c]	<0.5[c]	<0.5[c]	<2.5[c]	0.4
trans-1,3-Dichloropropene	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1[c]	<1[c]	<5[c]	<5[c]	<1[c]	<1[c]	<1[c]	<1[c]	<0.5[c]	<0.5[c]	<0.5[c]	<2.5[c]	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	NE
Diethyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20	NA	
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	76	NA	
Ethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<2.5	5
4-Ethyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	NE
Hexachlorobutadiene	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1[c]	<1[c]	<5[c]	<5[c]	<1[c]	<1[c]	<1[c]	<1[c]	<0.5	<0.5	<0.5	<3[c]	0.5
2-Hexanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5	<5	<5.0	<25	NE
Isopropylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	4.6	4.5	5.4[a]	<5	6.2[a]	6[a]	5	5.6[a]	2.7	3.8	4.1	3.4	5
4-Isopropyltoluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<2.5	5
Methyl tert-butyl ether (MTBE)	5.1	7	7.3	<5	9.1	9.2	<5	<5	5.8	5.8	6.7	5.6	6.3	7.1	8.7	10	10	10	9.1	9.1	5.7	<5	NE
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<5	<5	<10	<10	<5	<5	<5	<5	<5	<5	<5.0	<25	NE
Methylene chloride	<5	<5	<5	84[a]	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<5	<5	<5.0	<25[c]	5
Naphthalene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<12[c]	10
n-Propylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	5.6[a]	5.2[a]	9.1[a]	7.4[a]	11[a]	11[a]	9[a]	9.3[a]	<1	6.4[a]	6[a]	5.6[a]	5
Styrene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<5	5
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NE
1,2,3-Trichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<25[c]	5
1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<2.5	5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<0.5	<0.5	<0.5	<2.5	5
Tetrachloroethene (PCE)	<5	<5	<5	<5	<5	<5	<5	<5	<0.5	<0.5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<2.5	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	NE
Toluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<3.8	5
1,2,3-Trichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<12[c]	5
1,2,4-Trichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	1.2	<1	<1	<1	<1	<1.0	<12[c]	5
1,1,1-Trichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<2.5	5
1,1,2-Trichloroethane	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1	<1	<5[c]	<5[c]	<1	<1	<1	<1	<1	<1	<1.0	<3.8[c]	1
Trichloroethene (TCE)	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	1.4	<2.5	5
Trichlorofluoromethane	<5	<5	<5	<5	<5	<5	<10[c]	<10[c]	<5	<5	<1	<1	<5	<5	<1	<1	<1	<1	<1	<1	<1.0	<12[c]	5
1,2,4-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	2	2.1	<1	1	<1	2.2	1.3	<12[c]	5
1,3,5-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	2.2	2.3	1.4	1.6	<1	<1	<1.0	<12[c]	5
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<25	NE
Vinyl chloride	13[a]	<5[a]	<5[a]	5.1[a]	<5[c]	<5[c]	<10[c]	<10[c]	1.3	1.4	<0.5	0.59	<2	<2	<1	<1	<1	<1	<1	<1	<1.0	<5[c]	2
Total Xylenes	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	1.1	1.1	<5	<5	3.7	4.1	2.5	2.7	1.8	3.1	<1.0	<5	5

When necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NA: Not analyzed
NE: No allowable limit is established for the substance
<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
Sample Results:
a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date / Analyte	MW-7															NYSDEC Groundwater Standard 6 NYCRR Part 703
	8/28/95	8/20/03	2/5/04	5/17/04	7/29/04	1/19/05	4/27/05	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	
Volatiles by 8260B (ug/L):																
Acetone	ND	<20	<20	<20	<20	<20	<20	Not Sampled	Not Sampled	Not Sampled	<5	Not Sampled	Not Sampled	<5	Not Sampled	NE
Acrylonitrile	NA	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]				<1			<5		5
Benzene	39[a]	12[a]	12[a]	7[a]	12[a]	<5[c]	<5[c]				2.1[a]			<1		1
Bromobenzene	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
Bromochloromethane	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
Bromodichloromethane	NA	<5	<5	<5	<5	<5	<5				<1			<1		NE
Bromoform	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
Bromomethane	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
2-Butanone (MEK)	NA	<10	<10	<10	<10	<10	<10				<5			<5		NE
n-Butylbenzene	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
sec-Butylbenzene	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
tert-Butylbenzene	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
Carbon disulfide	NA	<5	<5	<5	<5	<5	<5				<1			<5		NE
Carbon tetrachloride	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
Chlorobenzene	ND	<5	<5	<5	<5	<5	<5				<1			<1		5
Chloroethane	120[a]	77[a]	86[a]	58[a]	120[a]	41[a]	130[a]				<1			63[a]		5
Chloroform	ND	<5	0.5	<5	<5	<5	<5				<1			<1		7
Chloromethane	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
2-Chlorotoluene	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
4-Chlorotoluene	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
1,2-Dibromo-3-chloropropane (DBCP)	NA	<5[c]	<5[c]	<5[a]	<5[c]	<2[c]	<5[c]				<1[c]			<1[a]		0.04
Dibromochloromethane	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
1,2-Dibromoethane (EDB)	NA	<5[c]	<5[c]	<5[a]	<5[c]	<5[c]	<5[c]				<1[c]			<1[a]		0.0006
Dibromomethane	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
1,2-Dichlorobenzene	ND	<5	<5	<5	<5	<5	<5				<1			<1		5
1,3-Dichlorobenzene	ND	<5	<5	<5	<5	<5	<5				<1			<1		5
1,4-Dichlorobenzene	ND	<5	<5	<5	<5	<5	<5				<1			<1		5
Dichlorodifluoromethane	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
1,1-Dichloroethane	1	<5	<5	<5	<5	<5	<5				<1			<1		5
1,2-Dichloroethane	ND	<5[c]	0.53	0.32	<5[c]	<5[c]	<5[c]				<1[a]			<1[a]		0.6
1,1-Dichloroethene	ND	<5	<5	<5	<5	<5	<5				<1			<1		5
cis-1,2-Dichloroethene	2	<5	0.68	0.75	<5	<5	<5				<1			<1		5
trans-1,2-Dichloroethene	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
1,2-Dichloropropane	ND	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1			<1		1
1,3-Dichloropropane	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
2,2-Dichloropropane	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
1,1-Dichloropropene	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
cis-1,3-Dichloropropene	NA	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1[a]			<1[a]		0.4
trans-1,3-Dichloropropene	NA	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1[a]			<1[a]		0.4
Ethylbenzene	ND	<5	0.25	<5	<5	<5	<5				<1			<1		5
Hexachlorobutadiene	NA	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1[a]			<1[a]		0.5
2-Hexanone	ND	<10	<10	<10	<10	<10	<10				<5			<5		NE
Isopropylbenzene	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
4-Isopropyltoluene	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
Methyl tert-butyl ether (MTBE	NA	6.6	6	7.2	<5	5.2	<5				3.8			4.5		NE
4-Methyl-2-pentanone (MIBK	ND	<10	<10	<10	<10	<10	<10				<5			<5		NE
Methylene chloride	2	<10	<5	<5	<5	<5	<5				<1			<1		5
Naphthalene	ND	<5	0.28	<5	<5	<5	<5				<1			<1		10
n-Propylbenzene	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
Styrene	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
1,2,3-Trichloropropane	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
1,1,1,2-Tetrachloroethane	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
1,1,2,2-Tetrachloroethane	ND	<5	<5	<5	<5	<5	<5				<1			<1		5
Tetrachloroethene (PCE)	ND	<5	<5	<5	<5	<5	<5				<1			<1		5
Toluene	ND	<5	<5	<5	<5	<5	<5				<1			<1		5
1,2,3-Trichlorobenzene	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
1,2,4-Trichlorobenzene	ND	<5	<5	<5	<5	<5	<5				<1			<1		5
1,1,1-Trichloroethane	ND	<5	<5	<5	<5	<5	<5				<1			<1		5
1,1,2-Trichloroethane	NA	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1			<1		1
Trichloroethene (TCE)	ND	<5	<5	0.27	<5	<5	<5				<1			<1		5
Trichlorofluoromethane	NA	<5	0.23	<5	<5	<5	<5				<1			<1		5
1,2,4-Trimethylbenzene	NA	<5	0.35	<5	<5	<5	<5				<1			<1		5
1,3,5-Trimethylbenzene	NA	<5	<5	<5	<5	<5	<5				<1			<1		5
Vinyl chloride	4[a]	<5[c]	0.92	<5[c]	<2	<5[c]	<5[c]				<0.5			<1		2
Total Xylenes	ND	<5	1.07	<5	<5	<5	<5				<1			<1		5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NA: Not analyzed
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<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)

Sample Results:
a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date / Analyte	MW-12S																		NYSDEC Groundwater Standard 6 NYCRR Part 703
	8/24/95	8/20/03	2/5/04	5/17/04	7/29/04	9/16/04	1/19/05	4/27/05	4/27/05 (Dup)	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	6/18/08	9/29/08	
Volatiles by 8260B (ug/L):c																				
Acetone	ND	<20	<20	49	<20	<20	<20	<20	<20	<20	<20	<20	<5	<20	<5	<5	<10	<10	<10	NE
Acrylonitrile	120[a]	<25[a]	<25[a]	<25[a]	<25[a]	<25[a]	<25[a]	<25[a]	<25[a]	<25[a]	<25[a]	<25[a]	<1	<25[a]	<5	<5	<0.5	<0.5	<20[a]	5
Benzene		37[a]	44[a]	30[a]	49[a]	41[a]	36[a]	40[a]	40[a]	46[a]	45[a]	44[a]	40[a]	42[a]	42[a]	40[a]	45[a]	47[a]	54[a]	1
Bromobenzene		<5	1.2	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<5	5
Bromochloromethane		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<5	5
Bromodichloromethane		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<5	NE
Bromoform		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<4	5
Bromomethane		<5	<5	<5	<5	<5	<5	<5	<5	<5	<10[a]	<5	<1	<5	<1	<1	<1	<1.0	<2	5
2-Butanone (MEK)		<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<5	<10	<5	<5	<5	<5.0	13	NE
n-Butylbenzene		<5	5.5	5.9	<5	5.5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	4.3	5
sec-Butylbenzene	NA	6.1[a]	<5	<5	<5	5	<5	<5	<5	<5	<5	<5	<1	<5	<1	1.8	<1	2.6	2.5	5
tert-Butylbenzene		<5	2.4	1.4	<5	<5	<5	<5	<5	<5	<5	<5	2.2	<5	2.1	1.7	1.3	<1.0	<5	5
Carbon disulfide		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<5	<5	<1	<1.0	<10	NE
Carbon tetrachloride		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<1	5
Chlorobenzene	ND	38[a]	61[a]	61[a]	73[a]	68[a]	58[a]	65[a]	68[a]	70[a]	66[a]	63[a]	53[a]	51[a]	58[a]	61[a]	74[a]	73[a]	110[a]	5
Chloroethane	ND	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10[a]	<5	<5	<5	<1	<1	<1	<1.0	<2	5
Chloroform	20[a]	<5	0.48	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<1.5	7
Chloromethane		<5	<5	<5	<5	<5	<5	<5	<5	<5	<10[a]	<5	<1	<5	<1	<1	<1	<1.0	<5	5
2-Chlorotoluene		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	5.3[a]	<5	5
4-Chlorotoluene		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<5	5
1,2-Dibromo-3-chloropropane (DBCP)		<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<2[a]	<5[a]	<5[a]	<2[a]	<5[a]	<5[a]	<1[a]	<5[a]	<1[a]	1.9[a]	<0.5[a]	<0.5[a]	<5[a]	0.04
Dibromochloromethane		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<0.5	<0.5	<1	5
1,2-Dibromoethane (EDB)		<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<1[a]	<5[a]	<1[a]	<1[a]	<0.5[a]	<0.5[a]	<4[a]	0.0006
Dibromomethane		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<10[a]	5
1,2-Dichlorobenzene	ND	69[a]	72[a]	38[a]	70[a]	62[a]	66[a]	53[a]	51[a]	52[a]	68[a]	59[a]	59[a]	51[a]	62[a]	45[a]	44[a]	47[a]	60[a]	5
1,3-Dichlorobenzene	ND	8.5[a]	12[a]	8.1[a]	14[a]	12[a]	12[a]	11[a]	11[a]	11[a]	15[a]	14[a]	14[a]	12[a]	16[a]	14[a]	18[a]	15[a]	18[a]	5
1,4-Dichlorobenzene	ND	89[a]	110[a]	70[a]	140[a]	120[a]	130[a]	110[a]	110[a]	120[a]	140[a]	120[a]	110[a]	100[a]	120[a]	93[a]	90[a]	92[a]	83[a]	5
Dichlorodifluoromethane		<5	<5	<5	<5	<5	<5	<5	<5	<5	<10[a]	<5	<1	<5	<1	<1	<1	<1.0	<10[a]	5
1,1-Dichloroethane	47[a]	17[a]	11[a]	7.9[a]	6.6[a]	<5	<5	5.8[a]	5.8[a]	<5	5.4[a]	9.2[a]	5.6[a]	<5	3.5	2.6	2.9	2.6	2.8	5
1,2-Dichloroethane	ND	<5[a]	2.1[a]	1.7[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	1.3[a]	<5[a]	1.3[a]	1.2[a]	<1[a]	<1.0[a]	2.4[a]	0.6
1,1-Dichloroethene	ND	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<1	5
cis-1,2-Dichloroethene	4200[a]	7.8[a]	5.2[a]	1.4	7[a]	<5	<5	<5	<5	<5	<5	<5	3.1	<5	<1	<1	<1	<1.0	3	5
trans-1,2-Dichloroethene		<5	2.8	1.7	<5	<5	<5	<5	<5	<5	<5	<5	2.5	<5	2.3	1.4	<1	1.7	1.6	5
1,2-Dichloropropane	ND	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<1	<5[a]	<1	<1	<1	<1.0	3.5[a]	1
1,3-Dichloropropane		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<5	5
2,2-Dichloropropane		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<5	5
1,1-Dichloropropene		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<0.5	<5	5
cis-1,3-Dichloropropene		<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<1[a]	<5[a]	<1[a]	<1[a]	<0.5[a]	<0.5[a]	<1[a]	0.4
trans-1,3-Dichloropropene		<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<1[a]	<5[a]	<1[a]	<1[a]	<0.5[a]	<0.5[a]	<1[a]	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18	NE
Diethyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	45	NA	NE
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	69	NA	NE
Ethylbenzene	1700[a]	62[a]	69[a]	35[a]	59[a]	52[a]	61[a]	44[a]	44[a]	48[a]	58[a]	45[a]	42[a]	50[a]	60[a]	38[a]	40[a]	51[a]	41[a]	5
4-Ethyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	38	NE
Hexachlorobutadiene		<5[a]	0.65[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<1[a]	<5[a]	<1[a]	<1[a]	<0.5	<0.5	<1.5[a]	0.5
2-Hexanone	ND	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<5	<10	<5	<5	<5	<5.0	<10	NE
Isopropylbenzene	NA	6.8[a]	8[a]	4.3	7.9[a]	7.2[a]	6.4[a]	5.3[a]	5.3[a]	<5	8.2[a]	6.2[a]	4.6[a]	5.8[a]	7.3[a]	5.1[a]	4.4	5.8[a]	4.4	5
4-Isopropyltoluene	NA	2.4[a]	3.5[a]	1.0[a]	1.6[a]	1.5[a]	1.3[a]	1.0[a]	0.9[a]	7.2[a]	1.2[a]	1.3[a]	1.2[a]	1.0[a]	1.4[a]	2.8[a]	5.6[a]	2.6[a]	4	5
Methyl tert-butyl ether (MTBE)	NA	60	40	42	30	29	30	36	37	20	10	38	15	23	29	23	23	22	23	NE
4-Methyl-2-pentanone (MIBK)	22	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<5	<10	<5	<5	<5	<5.0	<10	NE
Methylene chloride	81[a]	<10[a]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<5	<5.0	<10[a]	5
Naphthalene	ND	36[a]	28[a]	21[a]	37[a]	36[a]	30[a]	22[a]	22[a]	25[a]	38[a]	32[a]	29[a]	29[a]	34[a]	28[a]	26[a]	29[a]	27[a]	10
n-Propylbenzene	NA	15[a]	16[a]	9.6[a]	17[a]	15[a]	12[a]	12[a]	11[a]	10[a]	17[a]	12[a]	13[a]	12[a]	15[a]	10[a]	8.3[a]	11[a]	8[a]	5
Styrene		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	1.8	<1	<1.0	<2	5
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NE
1,2,3-Trichloropropane		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	20[a]	<10	5
1,1,1,2-Tetrachloroethane		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<1	5
1,1,2,2-Tetrachloroethane	ND	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<0.5	<0.5	<1	5
Tetrachloroethene (PCE)	39[a]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.5	<5	<1	<1	<1	<1.0	<1	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.1	NE
Toluene	6700[a]	63[a]	70[a]	35[a]	62[a]	56[a]	67[a]	48[a]	48[a]	47[a]	61[a]	46[a]	58[a]	54[a]	63[a]	35[a]	40[a]	41[a]	40[a]	5
1,2,3-Trichlorobenzene		<5	1.6	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<5	5
1,2,4-Trichlorobenzene	ND	26[a]	23[a]	15[a]	10[a]	6.8[a]	9.2[a]	5[a]	5.2[a]	7.5[a]	<5	<5	6.3[a]	<5	2.8	1.7	<1	2.6	<5	5
1,1,1-Trichloroethane	140[a]	<5	0.38	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<1	5
1,1,2-Trichloroethane		<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<1	<5[a]	<1	<1	<1	<1.0	<1.5[a]	1
Trichloroethene (TCE)	79[a]	<5	3	0.7	<5	<5	<5	<5	<5	<5	<5	<5	0.62	2.8	<5	<1	<1	1.4	<1	5
Trichlorofluoromethane		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<10[a]	<5	<1	<5	<1	<1	<1	<1.0	<5	5
1,2,4-Trimethylbenzene	NA	100[a]	120[a]	65[a]	110[a]	100[a]	100[a]	79[a]	77[a]	73[a]	110[a]	83[a]	85[a]	81[a]	100[a]	61[a]	63[a]	62[a]	61[a]	5
1,3,5-Trimethylbenzene	NA	61[a]	67[a]	40[a]	7.9[a]	7.2[a]	56[a]	49[a]	46[a]	39[a]	62[a]	58[a]	43[a]	46[a]	61[a]	34[a]	26[a]	47[a]	21[a]	5
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	NE
Vinyl chloride	5500[a]	5.4[a]	<5[a]	<5[a]	5.2[a]	<2	<5[a]	<5[a]	<5[a]	5.6[a]	<10[a]	3.6[a]	3.2[a]	<2	<1	2	1.9	2.4[a]	2.2[a]	2
Total Xylenes	8400[a]	250[a]	320[a]	152[a]	259[a]	228[a]	260[a]	199[a]	199[a]	217[a]	248[a]	187[a]	186[a]	225[a]	248[a]	139[a]	159[a]	204[a]	169[a]	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ug/L to match the laboratory reporting method.

NA: Not analyzed

NE: No allowable limit is established for the substance

<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)

Sample Results:

a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date / Analyte	MW-12I																		NYSDEC Groundwater Standard 6 NYCRR Part 703
	8/24/95	8/20/03	2/3/04	5/17/04	7/21/04	9/16/04	1/19/05	4/27/05	8/17/05	11/30/05	3/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/19/07	6/18/08	9/29/08	9/29/08 (DUP)	
Volatiles by 8260B (ug/L):																				
Acetone	ND	<40000	<40000	<40000	<30000	<30000	<40000	<20000	<20000	<40000	<20000	<2500	<5000	<5	<4000	<10000	<20000	<5000	<5000	NE
Acrylonitrile	NA	<50000[c]	<50000[c]	<50000[c]	<38000[c]	<38000[c]	<50000[c]	<25000[c]	<25000[c]	<50000[c]	<25000[c]	<500[c]	<1000[c]	9	<5	<4000[c]	<500[c]	<1000[c]	<5000[c]	5
Benzene	20000[a]	12000[a]	9300[a]	8100[a]	<7500[c]	<7500[c]	13000[a]	<5000[c]	11000[a]	14000[a]	<5000[c]	2400[a]	2400[a]	5100[a]	5900[a]	9600[a]	6700[a]	1100[a]	1500[a]	1
Bromobenzene	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	29[a]	<800[c]	<1000[c]	<2000[c]	<2500[c]	<2500[c]	5
Bromochloromethane	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1	<800[c]	<1000[c]	<2000[c]	<500[c]	<500[c]	5
Bromodichloromethane	NA	<10000	<10000	<10000	<7500	<7500	<10000	<5000	<5000	<10000	<5000	<500	<1000	<1	<800	<1000	<2000	<2500	<2500	NE
Bromoform	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000	<500	<1000	<1	<800	<1000	<2000[c]	<2000[c]	<2000[c]	5
Bromomethane	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<20000[c]	<5000[c]	<500[c]	<1000[c]	<1	<800[c]	<1000[c]	<2000[c]	<1000[c]	<1000[c]	5
2-Butanone (MEK)	NA	<20000	<20000	<20000	<15000	<15000	<20000	<10000	<10000	<20000	<10000	<2500	<5000	230	<4000	<5000	<10000	<5000	<5000	NE
n-Butylbenzene	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1	<800[c]	<1000[c]	<2000[c]	<500[c]	<500[c]	5
sec-Butylbenzene	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1	<800[c]	<1000[c]	<2000[c]	<500[c]	<500[c]	5
tert-Butylbenzene	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	4	<800[c]	<1000[c]	<2000[c]	<2500[c]	<2500[c]	5
Carbon disulfide	NA	<10000	<10000	<10000	<7500	<7500	<10000	<5000	<5000	<10000	<5000	<500	<1000	<5	<4000	<1000	<2000	<5000	<5000	NE
Carbon tetrachloride	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1	<800[c]	<1000[c]	<2000[c]	<500[c]	<500[c]	5
Chlorobenzene	ND	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	120[a]	<800[c]	2500[a]	<2000[c]	<500[c]	<500[c]	5
Chloroethane	ND	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<20000[c]	<5000[c]	<500[c]	<1000[c]	200[a]	<800[c]	<1000[c]	<2000[c]	<1000[c]	<1000[c]	5
Chloroform	41000[a]	16000[a]	12000[a]	9000[a]	8500[a]	7600[a]	13000[a]	5000[a]	11000[a]	17000[a]	<5000[c]	2600[a]	7700[a]	6400[a]	7000[a]	12000[a]	7000[a]	<750[c]	<750[c]	7
Chloromethane	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1	<800[c]	<1000[c]	<2000[c]	<2500[c]	<2500[c]	5
2-Chlorotoluene	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1	<800[c]	<1000[c]	<2000[c]	<2500[c]	<2500[c]	5
4-Chlorotoluene	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1	<800[c]	<1000[c]	<2000[c]	<2500[c]	<2500[c]	5
1,2-Dibromo-3-chloropropane (DBCP)	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<4000[c]	<5000[c]	<2000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1[c]	<800[c]	<500[c]	<1000[c]	<2500[c]	<2500[c]	0.04
Dibromochloromethane	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1	<800[c]	<500[c]	<1000[c]	<500[c]	<500[c]	5
1,2-Dibromoethane (EDB)	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1[c]	<800[c]	<500[c]	<1000[c]	<2000[c]	<2000[c]	0.0006
Dibromomethane	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1	<800[c]	<1000[c]	<2000[c]	<5000[c]	<5000[c]	5
1,2-Dichlorobenzene	ND	<10000[c]	1100[a]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	2000[a]	270[a]	<800[c]	4000[a]	<2000[c]	<2500[c]	<2500[c]	3
1,3-Dichlorobenzene	ND	<10000[c]	610[a]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	53[a]	<800[c]	1700[a]	<2000[c]	<2500[c]	<2500[c]	3
1,4-Dichlorobenzene	ND	<10000[c]	1600[a]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	140[a]	<800[c]	6100[a]	<2000[c]	<2500[c]	<2500[c]	3
Dichlorodifluoromethane	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1	<800[c]	<1000[c]	<2000[c]	<5000[c]	<5000[c]	5
1,1-Dichloroethane	4800[a]	3000[a]	10000[a]	2200[a]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	920[a]	4200[a]	3000[a]	4300[a]	5900[a]	6300[a]	1700[a]	1900[a]	5
1,2-Dichloroethane	ND	<10000[c]	2700[a]	2300[a]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	660[a]	2100[a]	1800[a]	1700[a]	2600[a]	2300[a]	<500[c]	<500[c]	0.6
1,1-Dichloroethene	3000[a]	<10000[c]	1200[a]	890[a]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	580[a]	1500[a]	930[a]	1400[a]	<1000[c]	<2000[c]	<500[c]	<500[c]	5
cis-1,2-Dichloroethene	140000[a]	210000[a]	230000[a]	160000[a]	180000[a]	200000[a]	230000[a]	130000[a]	150000[a]	250000[a]	100000[a]	50000[a]	200000[a]	150000[a]	200000[a]	260000[a]	220000[a]	37000[a]	43000[a]	5
trans-1,2-Dichloroethene	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	3200[a]	<800[c]	<1000[c]	<2000[c]	<750[c]	<750[c]	5
1,2-Dichloropropane	290[a]	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	45[a]	<800[c]	<1000[c]	<2000[c]	<1800[c]	<1800[c]	1
1,3-Dichloropropane	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1	<800[c]	<1000[c]	<2000[c]	<2500[c]	<2500[c]	5
2,2-Dichloropropane	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1	<800[c]	<1000[c]	<2000[c]	<2500[c]	<2500[c]	5
1,1-Dichloropropene	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1	<800[c]	<1000[c]	<2000[c]	<2500[c]	<2500[c]	5
cis-1,3-Dichloropropene	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1[c]	<800[c]	<500[c]	<1000[c]	<500[c]	<500[c]	0.4
trans-1,3-Dichloropropene	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1[c]	<800[c]	<500[c]	<1000[c]	<500[c]	<500[c]	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2000	<2000	NE
Diethyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2300	NA	NA	NA
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<40000	<2000	<2000	NA
Ethylbenzene	1200[a]	<10000[c]	1900[a]	1300[a]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<2500[c]	3680[a]	2000[a]	930[a]	3200[a]	<2000[c]	<500[c]	<500[c]	5
4-Ethyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1000	<2000	<2000	NE
Hexachlorobutadiene	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1[c]	<800[c]	<500[c]	<10000[c]	<600[c]	<600[c]	0.5
2-Hexanone	ND	<20000	<20000	<20000	<15000	<15000	<20000	<10000	<10000	<20000	<10000	<2500	<5000	<5	<4000	<5000	<2000	<5000	<5000	NE
Isopropylbenzene	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	37[a]	<800[c]	<1000[c]	<2000[c]	<500[c]	<500[c]	5
4-Isopropyltoluene	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	26[a]	<800[c]	<1000[c]	<2000[c]	<500[c]	<500[c]	5
Methyl tert-butyl ether (MTBE)	NA	<10000	<10000	<10000	<7500	<7500	<10000	<5000	<5000	<10000	<5000	<500	<1000	<1	<800	<1000	<2000	<1000	<1000	NE
4-Methyl-2-pentanone (MIBK)	990	<20000	<20000	<20000	<15000	<15000	<20000	<10000	<10000	<20000	<10000	<2500	<5000	<5	<4000	<5000	<10000	<5000	<5000	NE
Methylene chloride	15000[a]	<20000[c]	<20000[c]	1200[a]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	2900[a]	<800[c]	<5000[c]	<10000[c]	<5000[c]	<5000[c]	5
Naphthalene	ND	<10000[c]	9000[a]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	1700[a]	<1000[c]	200[a]	<800[c]	16000[a]	<2000[c]	<2500[c]	<2500[c]	10
n-Propylbenzene	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	60[a]	<800[c]	<1000[c]	<2000[c]	<500[c]	<500[c]	5
Styrene	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1	<800[c]	<1000[c]	<2000[c]	<1000[c]	<1000[c]	5
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NA	NE
1,2,3-Trichloropropane	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1	<800[c]	<1000[c]	<10000[c]	<5000[c]	<5000[c]	5
1,1,1,2-Tetrachloroethane	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1	<800[c]	<1000[c]	<10000[c]	<500[c]	<500[c]	5
1,1,2,2-Tetrachloroethane	38[a]	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	<1	<800[c]	<500[c]	<2000[c]	<500[c]	<500[c]	5
Tetrachloroethene (PCE)	27000[a]	42000[a]	28000[a]	26000[a]	9400[a]	<7500[c]	27000[a]	12000[a]	42000[a]	100000[a]	25000[a]	9000[a]	80000[a]	36000[a]	7400[a]	29000[a]	<2000[c]	<500[c]	5900[a]	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2000	<2000	NE
Toluene	8300[a]	<10000[c]	750[a]	6100[a]	<7500[c]	<7500[c]	19000[a]	<5000[c]	9100[a]	14000[a]	<5000[c]	2000[a]	9300[a]	5700[a]	3600[a]	10000[a]	4100[a]	890[a]	1700[a]	5
1,2,3-Trichlorobenzene	NA	<10000[c]	2100[a]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	7800[a]	200[a]	<800[c]	<1000[c]	<2000[c]	<2500[c]	<2500[c]	5
1,2,4-Trichlorobenzene	ND	<10000[c]	7900[a]	<10000[c]	7800[a]	<7500[c]	44000[a]	17000[a]	8900[a]	45000[a]	12000[a]	2000[a]	13000[a]	10000[a]	<800[c]	<1000[c]	4700[a]	<2500[c]	<2500[c]	5
1,1,1-Trichloroethane	13000[a]	12000[a]	12000[a]	10000[a]	<7500[c]	9200[a]	21000[a]	<5000[c]	12000[a]	16000[a]	6700[a]	3300[a]	12000[a]	7000[a]	7400[a]	9800[a]	8190[a]	<500[c]	620[a]	5
1,1,2-Trichloroethane	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	<1000[c]	87[a]	<800[c]	<1000[c]	<2000[c]	<750[c]	<750[c]	1
Trichloroethene (TCE)	110000[a]	49000[a]	27000[a]	40000[a]	12000[a]	7700[a]	100000[a]	18000[a]	66000[a]	57000[a]	17000[a]	3700[a]	21000[a]	14000[a]	3600[a]	17000[a]	2500[c]	<500[c]	1200[a]	5
Trichlorofluoromethane	NA	<10000[c]	<10000[c]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<20000[c]	<5000[c]	<500[c]	<1000[c]	83[a]	<800[c]	<1000[c]	<2000[c]	<2500[c]	<2500[c]	5
1,2,4-Trimethylbenzene	NA	<10000[c]	1200[a]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<250[c]	4300[a]	280[a]	<800[c]	3700[a]	<2000[c]	<2500[c]	<2500[c]	5
1,3,5-Trimethylbenzene	NA	<10000[c]	630[a]	<10000[c]	<7500[c]	<7500[c]	<10000[c]	<5000[c]	<5000[c]	<10000[c]	<5000[c]	<500[c]	2200[a]	150[a]	<800[c]	1500[a]	<2000[c]	<2500[c]	<2500[c]	5
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5000[c]	<5000[c]	NE
Vinyl chloride	8000[a]	<10000[c]	<10000[c]	2100[a]	<3000[c]	4500[a]	<10000[c]	<5000[c]	<5000[c]	<20000[c]	3300[a]	1600[a]	5900[a]	3200[a]	7200[a]	8200[a]	13000[a]	4200[a]	4800[a]	2
Total Xylenes	3800[a]	<10000[c]	7500[a]	4900[a]	<7500[c]	<7500[c]	27000[a]	<5000[c]	<5000[c]	15000[a]	5700[a]	3660[a]	17200[a]	9500[a]	1000[a]	13800[a]	<2000[c]	1100[a]	2000[a]	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NA: Not analyzed
NE: No allowable limit is established for the substance
<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
Sample Results:
a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date / Analyte	MW-13S																NYSDEC Groundwater Standard 6 NYCRR Part 703
	8/25/03	8/20/03	2/6/04	5/17/04	7/29/04	1/19/05	4/27/05	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/6/07	6/14/07	10/18/07	9/29/08	
Volatiles by 8260B (ug/L):																	
Acetone	4	<20	<20	<20	<20	<20	<20	Not Sampled	Not Sampled	Not Sampled	<5	Not Sampled	Not Sampled	<10	Not Sampled	<5	NE
Acrylonitrile	NA	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]				<1			<10[c]		<5	5
Benzene	130[a]	14[a]	<5[c]	27[a]	42[a]	13[a]	30[a]				27[a]			9[a]		2[a]	1
Bromobenzene	NA	<5	<5	<5	<5	<5	<5				<1			<2		<2.5	5
Bromochloromethane	NA	<5	<5	<5	<5	<5	<5				<1			<2		<0.5	5
Bromodichloromethane	NA	<5	<5	<5	<5	<5	<5				<1			<2		<2.5	NE
Bromoform	NA	<5	<5	<5	<5	<5	<5				<1			<2		<2	5
Bromomethane	NA	<5	<5	<5	<5	<5	<5				<1			<2		<1	5
2-Butanone (MEK)	NA	<10	<10	<10	<10	<10	<10				<5			<10		<5	NE
n-Butylbenzene	NA	<5	0.47	<5	<5	<5	<5				<1			<2		<0.5	5
sec-Butylbenzene	NA	<5	0.26	<5	<5	<5	<5				<1			<2		<0.5	5
tert-Butylbenzene	NA	<5	<5	<5	<5	<5	<5				<1			<2		<2.5	5
Carbon disulfide	NA	<5	<5	<5	<5	<5	<5				<1			<10		<5	NE
Carbon tetrachloride	NA	<5	<5	<5	<5	<5	<5				<1			<2		<0.5	5
Chlorobenzene	ND	5.5[a]	<5	0.86	<5	<5	<5				<1			<2		<0.5	5
Chloroethane	16[a]	<5	<5	<5	<5	<5	<5				<1			<2		1.2	5
Chloroform	ND	<5	0.36	<5	<5	<5	<5				<1			<2		<0.75	7
Chloromethane	NA	<5	<5	<5	<5	<5	<5				<1			<2		<2.5	5
2-Chlorotoluene	NA	<5	0.47	<5	<5	<5	<5				<1			<2		<2.5	5
4-Chlorotoluene	NA	<5	0.32	<5	<5	<5	<5				<1			<2		<2.5	5
1,2-Dibromo-3-chloropropane (DBCP)	NA	<5[c]	<5[c]	<5[c]	<5[c]	<2[c]	<5[c]				<1[c]			<2[c]		<2.5[c]	0.04
Dibromochloromethane	NA	<5	<5	<5	<5	<5	<5				<1			<2		<0.5	5
1,2-Dibromoethane (EDB)	NA	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1[c]			<2[c]		<2[c]	0.0006
Dibromomethane	NA	<5	<5	<5	<5	<5	<5				<1			<2		<5	5
1,2-Dichlorobenzene	ND	<5	0.37	<5	<5	<5	<5				<1			<2		<2.5	5
1,3-Dichlorobenzene	ND	<5	0.43	<5	<5	<5	<5				<1			<2		<2.5	5
1,4-Dichlorobenzene	ND	<5	0.49	<5	<5	<5	<5				<5			<2		<2.5	5
Dichlorodifluoromethane	NA	<5	<5	<5	<5	<5	<5				<1			<2		<5	5
1,1-Dichloroethane	3	<5	<5	<5	<5	<5	<5				<1			<2		<0.75	5
1,2-Dichloroethane	ND	<5[c]	<5[c]	0.44	<5[c]	<5[c]	<5[c]				<1[c]			<2[c]		<0.5	0.6
1,1-Dichloroethene	ND	<5	<5	<5	<5	<5	<5				<1			<2		<0.5	5
cis-1,2-Dichloroethene*	11[a]	<5	<5	<5	<5	<5	<5				<1			<2		<0.5	5
trans-1,2-Dichloroethene	NA	<5	<5	<5	<5	<5	<5				<1			<2		<0.75	5
1,2-Dichloropropane	ND	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1			<2[c]		<1.8[c]	1
1,3-Dichloropropane	NA	<5	<5	<5	<5	<5	<5				<1			<2		<2.5	5
2,2-Dichloropropane	NA	<5	<5	<5	<5	<5	<5				<1			<2		<2.5	5
1,1-Dichloropropene	NA	<5	<5	<5	<5	<5	<5				<1			<2		<2.5	5
cis-1,3-Dichloropropene	NA	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1[c]			<2[c]		<0.5[c]	0.4
trans-1,3-Dichloropropene	NA	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1[c]			<2[c]		<0.5[c]	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA	NA	NA				NA			NA		<2	NE
Ethylbenzene	ND	<5	4.1	<5	<5	<5	<5				<1			<2		<0.5	5
4-Ethyltoluene	NA	NA	NA	NA	NA	NA	NA				NA			NA		<2	NE
Hexachlorobutadiene	NA	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1[c]			<2[c]		<0.6[c]	0.5
2-Hexanone	ND	<10	<10	<10	<10	<10	<10				<5			<10		<5	NE
Isopropylbenzene	NA	<5	0.8	<5	<5	<5	<5				<1			<2		<0.5	5
4-Isopropyltoluene	NA	<5	<5	<5	<5	<5	<5				<1			<2		<0.5	5
Methyl tert-butyl ether (MTBE)	NA	<5	<5	<5	<5	<5	3.8				6.5			6		3.2	NE
4-Methyl-2-pentanone (MIBK)	ND	<10	<10	<10	<10	<10	<10				<5			<10		<5	NE
Methylene chloride	4	<10[c]	<5	<5	<5	<5	<5				<1			<2		<5	5
Naphthalene	ND	<5	12[a]	<5	<5	<5	<5				<1			<2		<2.5	10
n-Propylbenzene	NA	<5	0.34	<5	<5	<5	<5				<1			<2		<0.5	5
Styrene	NA	<5	0.42	<5	<5	<5	<5				<1			<2		<1	5
1,2,3-Trichloropropane	NA	<5	<5	<5	<5	<5	<5				<1			<2		<5	5
1,1,1,2-Tetrachloroethane	NA	<5	<5	<5	<5	<5	<5				<1			<2		<0.5	5
1,1,2,2-Tetrachloroethane	ND	<5	<5	<5	<5	<5	<5				<1			<2		<0.5	5
Tetrachloroethene (PCE)	1	<5	<5	<5	<5	<5	<5				<1			<2		<0.5	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA	NA				NA			NA		<2	NE
Toluene	2	<5	<5	<5	<5	<5	<5				<1			<2		<0.75	5
1,2,3-Trichlorobenzene	NA	<5	0.58	<5	<5	<5	<5				<1			<2		<2.5	5
1,2,4-Trichlorobenzene	ND	<5	0.62	<5	<5	<5	<5				<1			<2		<2.5	5
1,1,1-Trichloroethane	ND	<5	<5	<5	<5	<5	<5				<1			<2		<0.5	5
1,1,2-Trichloroethane	NA	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1			<2[c]		<0.75	1
Trichloroethene (TCE)	1	<5	<5	<5	<5	<5	<5				<1			<2		0.86	5
Trichlorofluoromethane	NA	<5	0.23	<5	<5	<5	<5				<1			<2		<2.5	5
1,2,4-Trimethylbenzene	NA	<5	0.58	<5	<5	<5	<5				<1			<2		<2.5	5
1,3,5-Trimethylbenzene	NA	<5	<5	<5	<5	<5	<5				<1			<2		<2.5	5
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA				NA			NA		<5	NE
Vinyl chloride	9[a]	<5[c]	<5[c]	<5[c]	<2	<5[c]	<5[c]				0.54			<2		<1	2
Total Xylenes	3	<5	1.05	<5	<5	<5	<5				<1			<2		<1	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NA: Not analyzed

NE: No allowable limit is established for the substance

<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)

Sample Results:

a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date / Analyte	MW-16															NYSDEC Groundwater Standard
	8/24/95	8/20/03	2/6/04	5/17/04	7/29/04	1/19/05	4/27/2005	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	9/29/08	6 NYCRR Part 703
Volatiles by 8260B (ug/L)																	
Acetone	ND	<20	<20	<20	<20	<20	<20	Not Sampled	Not Sampled	Not Sampled	<5	Not Sampled	Not Sampled	<5	Not Sampled	<5.0	NE
Acrylonitrile		<25[e]	<25[e]	<25[e]	<25[e]	<25[e]	<25[e]				<1			<5		<5.0	5
Benzene	11[a]	<5[e]	<5[e]	<5[e]	<5[e]	<5[e]	<5[e]				<1			<1		<0.5	1
Bromobenzene		<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
Bromochloromethane		<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
Bromodichloromethane		<5	<5	<5	<5	<5	<5				<1			<1		<0.50	NE
Bromoform		<5	<5	<5	<5	<5	<5				<1			<1		<2.0	5
Bromomethane		<5	<5	<5	<5	<5	<5				<1			<1		<1.0	5
2-Butanone (MEK)		<10	<10	<10	<10	<10	<10				<5			<5		<5.0	NE
n-Butylbenzene		<5	0.54	<5	<5	<5	<5				<1			<1		<0.50	5
sec-Butylbenzene	NA	<5	<5	<5	<5	<5	<5				<1			<1		<0.50	5
tert-Butylbenzene		<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
Carbon disulfide		<5	<5	<5	<5	<5	<5				<1			<5		<5.0	NE
Carbon tetrachloride		<5	<5	<5	<5	<5	<5				<1			<1		<0.50	5
Chlorobenzene	ND	<5	<5	<5	<5	<5	<5				<1			<1		<0.50	5
Chloroethane	ND	<5	<5	<5	<5	<5	<5				<1			<1		<1.0	5
Chloroform	ND	<5	<5	<5	<5	<5	<5				<1			<1		<0.75	7
Chloromethane		<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
2-Chlorotoluene		<5	0.44	<5	<5	<5	<5				<1			<1		<2.5	5
4-Chlorotoluene		<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
1,2-Dibromo-3-chloropropane (DBCP)		<5[e]	<5[e]	<5[e]	<5[e]	<2[e]	<5[e]				<1[e]			<1[e]		<2.5[e]	0.04
Dibromochloromethane		<5	<5	<5	<5	<5	<5				<1			<1		<0.50	5
1,2-Dibromoethane (EDB)		<5[e]	<5[e]	<5[e]	<5[e]	<5[e]	<5[e]				<1[e]			<1[e]		<2.0[e]	0.0006
Dibromomethane		<5	<5	<5	<5	<5	<5				<1			<1		<5.0	5
1,2-Dichlorobenzene	ND	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
1,3-Dichlorobenzene	ND	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
1,4-Dichlorobenzene	ND	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
Dichlorodifluoromethane		<5	<5	<5	<5	<5	<5				<1			<1		<5.0	5
1,1-Dichloroethane	1	<5	<5	<5	<5	<5	<5				<1			<1		<5.0	5
1,2-Dichloroethane	ND	<5[e]	<5[e]	<5[e]	<5[e]	<5[e]	<5[e]				<1[e]			<1[e]		<0.50[e]	0.6
1,1-Dichloroethene	ND	<5	<5	<5	<5	<5	<5				<1			<1		<0.50	5
cis-1,2-Dichloroethene*	ND	<5	<5	<5	<5	<5	<5				<1			<1		<5.0	5
trans-1,2-Dichloroethene		<5	<5	<5	<5	<5	<5				<1			<1		<0.5	5
1,2-Dichloropropane	ND	<5[e]	<5[e]	<5[e]	<5[e]	<5[e]	<5[e]				<1			<1		<1.8[e]	1
1,3-Dichloropropane		<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
2,2-Dichloropropane		<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
1,1-Dichloropropene		<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
cis-1,3-Dichloropropene		<5[e]	<5[e]	<5[e]	<5[e]	<5[e]	<5[e]				<1[e]			<1[e]		<0.50[e]	0.4
trans-1,3-Dichloropropene		<5[e]	<5[e]	<5[e]	<5[e]	<5[e]	<5[e]				<1[e]			<1[e]		<0.50[e]	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA	NA	NA				NA			NA		<2.0	NE
Ethylbenzene	12[a]	<5	3.6	0.59	<5	11[a]	6.1[a]				7.9[a]			<1		1.6	5
4-Ethyltoluene	NA	NA	NA	NA	NA	NA	NA				NA			NA		2	NE
Hexachlorobutadiene		<5[e]	<5[e]	<5[e]	<5[e]	<5[e]	<5[e]				<1[e]			<1[e]		<0.60[e]	0.5
2-Hexanone	ND	<10	<10	<10	<10	<10	<10				<5			<5		<5.0	NE
Isopropylbenzene	NA	<5	0.7	<5	<5	<5	<5				1.4			1.1		0.59	5
4-Isopropyltoluene	NA	<5	<5	<5	<5	<5	<5				<1			<1		<0.50	5
Methyl tert-butyl ether (MTBE)	NA	<5	<5	<5	<5	<5	<5				<1			<1		<1.0	NE
4-Methyl-2-pentanone (MIBK)	ND	<10	<10	<10	<10	<10	<10				<5			<5		<5.0	NE
Methylene chloride	2	<10[e]	<5	<5	<5	<5	<5				<1			<1		<5.0	5
Naphthalene	ND	14[a]	11[a]	8.2	<5	13[a]	6.2				<1			2.6		<2.5	10
n-Propylbenzene	NA	<5	0.27	<5	<5	<5	<5				<1			<1		<0.50	5
Styrene		<5	0.39	<5	<5	<5	<5				<1			<1		<1.0	5
1,2,3-Trichloropropane		<5	<5	<5	<5	<5	<5				<1			<1		<5.0	5
1,1,1,2-Tetrachloroethane		<5	<5	<5	<5	<5	<5				<1			<1		<0.50	5
1,1,2,2-Tetrachloroethane	ND	<5	<5	<5	<5	<5	<5				<1			<1		<0.50	5
Tetrachloroethene (PCE)	ND	7.2[a]	<5	<5	<5	<5	<5				<1			<1		<0.50	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA	NA				NA			NA		<2.0	NE
Toluene	ND	<5	0.33	<5	<5	<5	<5				<1			<1		<0.75	5
1,2,3-Trichlorobenzene		<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
1,2,4-Trichlorobenzene	ND	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
1,1,1-Trichloroethane	ND	<5	<5	<5	<5	<5	<5				<1			<1		<0.50	5
1,1,2-Trichloroethane		<5[e]	<5[e]	<5[e]	<5[e]	<5[e]	<5[e]				<1			<1		<0.75	1
Trichloroethene (TCE)	ND	<5	<5	<5	<5	<5	<5				<1			<1		<0.50	5
Trichlorofluoromethane		<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
1,2,4-Trimethylbenzene	NA	<5	0.7	<5	<5	<5	<5				<1			<1		<2.5	5
1,3,5-Trimethylbenzene	NA	<5	<5	<5	<5	<5	<5				<1			2		<2.5	5
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA				NA			NA		<5.0	NE
Vinyl chloride	ND	<5[e]	<5[e]	<5[e]	<2	<5[e]	<5[e]				<0.5			<1		<1.0	2
Total Xylenes	2	<5	1.01	<5	<5	<5	<5				<1			<1		<1.0	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NA: Not analyzed

NE: No allowable limit is established for the substance

<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)

Sample Results:

a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

e: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date	Concentration																	NYSDEC Groundwater Standard
	MW-19B																	6 NYCRR Part 703
Analyte	8/23/03	8/20/03	2/5/04	5/17/04	7/29/04	1/19/05	4/27/05	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	6/18/08	9/29/08	
Volatiles by 8260B (ug/L):																		
Acetone	ND	<140	<20	<40	<40	<40	<40	<20	<100	<100	<10	<20	<5	<25	<10	<10	<10	NE
Acrylonitrile		<180[c]	<25[c]	<50[c]	<50[c]	<50[c]	<50[c]	<25[c]	<120[c]	<120[c]	<2	<25[c]	<5	<25[c]	<0.5	<0.5	<50[c]	5
Benzene	100[a]	<35[c]	28[a]	2.2[a]	<10[c]	<10[c]	<10[c]	<5[c]	<25[c]	<25[c]	<2[c]	<5[c]	2[a]	<5[c]	1.9[a]	1.4[a]	<5.0[c]	1
Bromobenzene		<35[c]	0.92	<10[c]	<10[c]	<10[c]	<10[c]	<5[c]	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<25[c]	5
Bromochloromethane		<35[c]	<5[c]	<10[c]	<10[c]	<10[c]	<10[c]	<5[c]	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<25[c]	5
Bromodichloromethane		<35	<5	<10	<10	<10	<10	<5	<25	<25	<2	<5	<1	<5	<1	<1.0	<5.0	NE
Bromoform		<35[c]	<5	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25	<2	<5	<1	<5	<1	<1.0	<20[c]	5
Bromomethane		<35[c]	0.85	<10[c]	<10[c]	<10[c]	<10[c]	<5	<50[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<10[c]	5
2-Butanone (MEK)		<70	<10	<20	<20	<20	<20	<10	<50	<50	<10	<10	<5	<25	<5	<5.0	<50	NE
n-Butylbenzene		<35[c]	<5	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<5.0[c]	5
sec-Butylbenzene	NA	<35[c]	<5	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<5.0[c]	5
tert-Butylbenzene		<35[c]	<5	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<25[c]	5
Carbon disulfide		<35	<5	<10	<10	<10	<10	<5	<25	<25	<2	<5	<5	<25	<1	<1.0	<50	NE
Carbon tetrachloride		<35[c]	0.24	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<5.0[c]	5
Chlorobenzene	ND	<35[c]	21[a]	2.4	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	1.8	<5	<1	<1.0	<5.0[c]	5
Chloroethane	110[a]	<35[c]	<5	12[a]	<10[c]	<10[c]	57[a]	33[a]	<50[c]	<25[c]	17[a]	<5	50[a]	<5	40[a]	37[a]	<10[c]	5
Chloroform	ND	<35[c]	1.3	0.63	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<7.5[c]	7
Chloromethane		<35[c]	<5	<10[c]	<10[c]	<10[c]	<10[c]	<5	<50[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<25[c]	5
2-Chlorotoluene		<35[c]	<5	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<25[c]	5
4-Chlorotoluene		<35[c]	<5	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<25[c]	5
1,2-Dibromo-3-chloropropane (DBCP)		<35[c]	<5[c]	0.37	<10[c]	<4[c]	<10[c]	<2[c]	<25[c]	<25[c]	<2[c]	<5[c]	<1[c]	<5[c]	<0.5[c]	<0.5	<25[c]	0.04
Dibromochloromethane		<35[c]	0.4	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<0.5	<0.5	<5.0[c]	5
1,2-Dibromoethane (EDB)		<35[c]	<5[c]	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2[c]	<5[c]	<1[c]	<5[c]	<0.5[c]	<0.5	<20[c]	0.0006
Dibromomethane		<35[c]	<5	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<50[c]	5
1,2-Dichlorobenzene	ND	<35[c]	40[a]	0.82	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<25[c]	3
1,3-Dichlorobenzene	ND	<35[c]	9.2[a]	1.7	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<25[c]	3
1,4-Dichlorobenzene	2	<35[c]	55[a]	3.9	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	2.4	<5	<1	1.6	<25[c]	3
Dichlorodifluoromethane		<35[c]	0.86	<10[c]	<10[c]	<10[c]	<10[c]	<5	<50[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<50[c]	5
1,1-Dichloroethane	29[a]	<35[c]	<5	5.2[a]	11[a]	<10[c]	<10[c]	<5	<25[c]	<25[c]	82[a]	5.5[a]	13[a]	18[a]	23	4.8	18[a]	5
1,2-Dichloroethane	ND	<35[c]	4.1[a]	0.72[a]	<10[c]	<10[c]	<10[c]	<5[c]	<25[c]	<25[c]	<2[c]	<5[c]	<1[c]	<5[c]	<1[c]	<1.0[c]	<5.0[c]	0.6
1,1-Dichloroethene	ND	<35[c]	1	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<5.0[c]	3
cis-1,2-Dichloroethene	8[a]	500[a]	110[a]	140[a]	300[a]	190[a]	200[a]	48[a]	580[a]	890[a]	290[a]	130[a]	410[a]	500[a]	33[a]	84[a]	390[a]	5
trans-1,2-Dichloroethene		<35[c]	0.59	0.93	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	5	<5	<1	1.3	<7.5[c]	5
1,2-Dichloropropane	ND	<35[c]	<5[c]	<10[c]	<10[c]	<10[c]	<10[c]	<5[c]	<25[c]	<25[c]	<2[c]	<5[c]	<1[c]	<5[c]	<1	<1.0	<10[c]	1
1,3-Dichloropropane		<35[c]	<5	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<25[c]	5
2,2-Dichloropropane		<35[c]	<5	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<25[c]	5
1,1-Dichloropropene		<35[c]	<5	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<0.5	<25[c]	5
cis-1,3-Dichloropropene		<35[c]	<5[c]	<10[c]	<10[c]	<10[c]	<10[c]	<5[c]	<25[c]	<25[c]	<2[c]	<5[c]	<1[c]	<5[c]	<0.5[c]	<0.5[c]	<5.0[c]	0.4
trans-1,3-Dichloropropene		<35[c]	<5[c]	<10[c]	<10[c]	<10[c]	<10[c]	<5[c]	<25[c]	<25[c]	<2[c]	<5[c]	<1[c]	<5[c]	<0.5[c]	<0.5[c]	<5.0[c]	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<20	NE
Diethyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	46	NA	NE
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	64	NA	NE
Ethylbenzene	ND	<35[c]	55[a]	<10[c]	<10[c]	<10[a]	<10[c]	<5[c]	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<5.0[c]	5
4-Ethyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<20	NE
Hexachlorobutadiene		<35[c]	<5[c]	<10[c]	<10[c]	<10[c]	<10[c]	<5[c]	<25[c]	<25[c]	<2[c]	<5[c]	<1[c]	<5[c]	<0.5	<0.5	<6.0[c]	0.5
2-Hexanone	ND	<70	<10	<20	<20	<20	<20	<10	<50	<50	<10	<10	<5	<25	<5	<5.0	<50	NE
Isopropylbenzene	NA	<35[c]	3.1	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<5.0[c]	5
4-Isopropyltoluene	NA	<35[c]	6.6[a]	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<5.0[c]	5
Methyl tert-butyl ether (MTBE)	NA	<35	9.2	7.9	<10	<10	<10	9.1	<25	<25	6.4	6	11	9.8	9.4	6.7	<10	NE
4-Methyl-2-pentanone (MIBK)	ND	<70	<10	<20	<20	<20	<20	<10	<50	<50	<10	<10	<5	<25	<5	<5.0	<50	NE
Methylene chloride	6[a]	<35[c]	<5	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1[g]	<5	<5	<5.0	<50[c]	5
Naphthalene	ND	<35[c]	16[a]	<10[c]	11[a]	<10[c]	<10[c]	<5	<25[c]	<25[c]	4.9	<5	<1	<5	<1	<1.0	<25[c]	10
n-Propylbenzene	NA	<35[c]	8.2[a]	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<5.0[c]	5
Styrene		<35[c]	<5	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<10[c]	5
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<3.0	NA	NE
1,2,3-Trichloropropane		<35[c]	<5	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<50[c]	5
1,1,1,2-Tetrachloroethane		<35[c]	<5	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<5.0[c]	5
1,1,2,2-Tetrachloroethane	ND	<35[c]	<5	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<0.5	<0.5	<5.0[c]	5
Tetrachloroethene (PCE)	2	860[a]	0.49	250[a]	160[a]	85[a]	62[a]	18[a]	72[a]	83[a]	61[a]	70[a]	42[a]	84[a]	46	13[a]	22[a]	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<20	NE
Toluene	4	<35[c]	110[a]	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<7.5[c]	5
1,2,3-Trichlorobenzene		<35[c]	5.3[a]	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<25[c]	5
1,2,4-Trichlorobenzene	ND	<35[c]	25[a]	8.1[a]	<10[c]	<10[c]	<10[c]	7.8[a]	<25[c]	<25[c]	<2	<5	2.2	<5	1.9	<1.0	<25[c]	5
1,1,1-Trichloroethane	ND	<35[c]	<5	1.4	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	21	<5	17	<5	<1	<1.0	<5.0[c]	5
1,1,2-Trichloroethane		<35[c]	<5[c]	<10[c]	<10[c]	<10[c]	<10[c]	<5[c]	<25[c]	<25[c]	<2[c]	<5[c]	<1	<5[c]	<1	<1.0	<7.5[c]	1
Trichloroethene (TCE)	2	210[a]	<5	51[a]	57[a]	29[a]	24[a]	13[a]	70[a]	80[a]	42[a]	33[a]	33[a]	97[a]	6.5[a]	15[a]	32[a]	5
Trichlorofluoromethane		<35[c]	0.63	<10[c]	<10[c]	<10[c]	<10[c]	<5	<50[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<25[c]	5
1,2,4-Trimethylbenzene	NA	<35[c]	43[a]	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<25[c]	5
1,3,5-Trimethylbenzene	NA	<35[c]	19[a]	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<25[c]	5
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<50	NE
Vinyl chloride	ND	43[a]	35[a]	16[a]	22[a]	16[a]	30[a]	8.5[a]	84[a]	90[a]	16[a]	11[a]	65[a]	41[a]	13[a]	14[a]	42[a]	2
Total Xylenes	4	<35[c]	262[a]	<10[c]	<10[c]	<10[c]	<10[c]	<5	<25[c]	<25[c]	<2	<5	<1	<5	<1	<1.0	<10[c]	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NA - Not analyzed
NE - No allowable limit is established for the substance
<x - Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
Sample Results
a - Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c - Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date	MW-191																		NYSDEC Groundwater Standard
Analyte	8/23/95	8/28/03	2/5/04	5/17/04	7/29/04	1/19/05	4/27/05	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	6/18/08	9/29/08	6 NYCRR Part 703
Volatiles by 8260B (ug/L):																		
Acetone	ND	<20	<20	<20	<20	<20	<20	Not Sampled	Not Sampled	Not Sampled	<3	<20	<5	5.9	<10	<10	<5.0	NE
Acrylonitrile		<25[c]	<25[c]	<25[c]	<25[c]	<25[a]	<25[a]				<1	<25[a]	<5	<3	<0.5	<0.5	<5.0[c]	5
Benzene	150[a]	<5[a]	<5[a]	10[a]	15[a]	9.6[a]	11[a]				7.9[a]	6.8[a]	4.6[a]	2.5[a]	2.5[a]	6.2[a]	5.7[a]	1
Bromobenzene		<5[a]	<5[c]	<5[a]	<5[a]	<5[c]	<5[a]				<1	<5	<1	<1	<1	<1.0	<2.5	5
Bromochloromethane		<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]				<1	<5	<1	<1	<1	<1.0	<2.5	5
Bromodichloromethane		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<0.50	NE
Bromoform		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<2.0	5
Bromomethane		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<1.0	5
2-Butanone (MEK)		<10	<10	<10	<10	<10	<10				<5	<10	<5	<5	<5	<5.0	<5.0	NE
n-Butylbenzene		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<0.50	5
sec-Butylbenzene	NA	<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<0.50	5
tert-Butylbenzene		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<2.5	5
Carbon disulfide		<5	<5	<5	<5	<5	<5				<1	<5	<5	<5	<1	<1.0	<5.0	NE
Carbon tetrachloride		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<0.50	5
Chlorobenzene	ND	<5	<5	0.6	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<0.50	5
Chloroethane	190[a]	15[a]	<5	73[a]	<5	34[a]	120[a]				<1	90[a]	75[a]	35[a]	44[a]	57[a]	<1.0	5
Chloroform	ND	<5	0.72	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<0.75	7
Chloromethane		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<2.5	5
2-Chlorotoluene		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<2.5	5
4-Chlorotoluene		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<2.5	5
1,2-Dibromo-3-chloropropane (DBCP)		<5[a]	<5[a]	<5[a]	<5[a]	<2[a]	<5[a]				<1[a]	<5[a]	<1[a]	<1[a]	<0.5[a]	<0.5[a]	<2.5[a]	0.04
Dibromochloromethane		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<0.5	<0.5	<0.50	5
1,2-Dibromoethane (EDB)		<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]				<1[a]	<5[a]	<1[a]	<1[a]	<0.5[a]	<0.5[a]	<2.0[a]	0.0006
Dibromomethane		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<5.0	5
1,2-Dichlorobenzene	ND	<5	2.3	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<2.5	5
1,3-Dichlorobenzene	ND	<5	0.79	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<2.5	5
1,4-Dichlorobenzene	ND	<5	0.66	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<2.5	5
Dichlorodifluoromethane		<5	<2	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<5.0	5
1,1-Dichloroethane	67[a]	<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<0.50	5
1,2-Dichloroethane	ND	<5[a]	<5[a]	0.32	<5[a]	<5[a]	<5[a]				<1[a]	<5[a]	<1[a]	<1[a]	<1[a]	<1.0	<0.50	0.6
1,1-Dichloroethene	ND	<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<0.50	5
cis-1,2-Dichloroethene	2	<5	15[a]	0.28	<5	<5	<5				<1	<5	<1	2.5	<1	<1.0	<0.50	5
trans-1,2-Dichloroethene		<5	0.92	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	1.4	5
1,2-Dichloropropane	ND	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]				<1	<5[a]	<1	<1	<1	<1.0	<1.8[c]	1
1,3-Dichloropropane		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<2.5	5
2,2-Dichloropropane		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<2.5	5
1,1-Dichloropropene		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<0.5	<2.5	5
cis-1,3-Dichloropropene		<5[a]	<5[a]	<5[a]	<5[a]	<5[c]	<5[a]				<1[a]	<5[a]	<1[a]	<1[a]	<0.5[a]	<0.5	<0.50[a]	0.4
trans-1,3-Dichloropropene		<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]				<1[a]	<5[a]	<1[a]	<1[a]	<0.5[a]	<0.5	<0.50[a]	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA	NA	<2.0	NE
Diethyl ether	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA	73	NA	NE
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA	100	NA	NE
Ethylbenzene	2	<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<0.50	5
4-Ethyltoluene	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA	NA	<2.0	NE
Hexachlorobutadiene		<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]				<1[a]	<5[a]	<1[a]	<1[a]	<0.5	<0.5	<0.60[a]	0.5
2-Hexanone	ND	<10	<10	<10	<10	<10	<10				<5	<10	<5	<5	<5	<5.0	<5.0	NE
Isopropylbenzene	NA	<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<0.50	5
4-Isopropyltoluene	NA	<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<0.50	5
Methyl tert-butyl ether (MTBE)	NA	6	1.7	6.5	10	9.3	9.3				8.2	9.1	12	10	6.0	6.9	1.3	NE
4-Methyl-2-pentanone (MIBK)	ND	<10	<10	<10	<10	<10	<10				<5	<10	<5	<5	<5	<5.0	<5.0	NE
Methylene chloride	8[a]	<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<5	<5.0	<5.0	5
Naphthalene	ND	<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<2.5	10
n-Propylbenzene	NA	<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<0.50	5
Styrene		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<1.0	5
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA	6.5	NA	NE
1,2,3-Trichloropropane		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<5.0	5
1,1,1,2-Tetrachloroethane		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<0.50	5
1,1,2,2-Tetrachloroethane	ND	<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<0.5	<0.5	<0.50	5
Tetrachloroethene (PCE)	ND	<5	3.3	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	0.91	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA	NA	<2.0	NE
Toluene	8[a]	<5	0.35	0.39	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<0.75	5
1,2,3-Trichlorobenzene		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<2.5	5
1,2,4-Trichlorobenzene	ND	<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<2.5	5
1,1,1-Trichloroethane	ND	<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<0.50	5
1,1,2-Trichloroethane		<5[a]	<5[a]	<5[c]	<5[a]	<5[a]	<5[a]				<1	<5[a]	<1	<1	<1	<1.0	<0.75	1
Trichloroethene (TCE)	ND	<5	6.2[a]	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<0.50	5
Trichlorofluoromethane		<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<2.5	5
1,2,4-Trimethylbenzene	NA	<5	<5	0.52	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<2.5	5
1,3,5-Trimethylbenzene	NA	<5	<5	<5	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<2.5	5
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA				NA	NA	NA	NA	NA	NA	<5.0	NE
Vinyl chloride	77[a]	<5[a]	8.6[a]	<5[a]	<2	<5[c]	<5[a]				0.52	<2	<1	<1	<1	<1.0	<1.0	2
Total Xylenes	9[a]	<5	<5	1.22	<5	<5	<5				<1	<5	<1	<1	<1	<1.0	<1.0	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NA: Not analyzed
NE: No allowable limit is established for the substance
<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
Sample Results:
a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date	MW-208																			NYSDEC Groundwater Standard
Analyte	8/25/95	8/20/03	2/5/04	5/17/04	7/29/04	9/16/04	1/19/05	4/27/05	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	11/30/06 (Dup)	2/8/07	2/8/07 (Dup)	4/14/07	10/18/07	10/18/07 (Dup)	4/18/08	9/29/08	6 NYCRR Part 703
Volatiles by 8260B (ug/L):																						
Acetone	ND	<800	<200	<200	<140	<160	<200	<200	<400	<200	<200	<50	<50	<20	<5	<5	<50	170	<80	<100	<5000	NE
Acrylonitrile		<1000[c]	<250[c]	<250[c]	<180[c]	<200[c]	<250[c]	<250[c]	<500[c]	<250[c]	<250[c]	<10[c]	<10[c]	<25[c]	<5	<5	<5	<50[c]	<2.5	<4	<5.0	<5000[c]	5
Benzene	1000[a]	210[a]	250[a]	230[a]	180[a]	240[a]	250[a]	300[a]	300[a]	280[a]	270[a]	290[a]	160[a]	170[a]	210[a]	250[a]	240[a]	140[a]	200[a]	230[a]	3200[a]	1
Bromobenzene		<200[c]	7.6[a]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	<10[c]	<2500[c]	5
Bromochloromethane		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	<10[c]	<2500[c]	5
Bromodichloromethane		<200	<50	<50	<35	<40	<50	<50	<100	<50	<50	<10	<10	<5	<1	<1	<1	<10	<5	<8	<10	<2500	NE
Bromoform		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50	<10	<10	<5	<1	<1	<1	<10	<5	<8[c]	<10[c]	<2000[c]	5
Bromomethane		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<100[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	89[a]	<8[c]	<10[c]	<1000[c]	5
2-Butanone (MEK)		<400	<100	<100	<70	<80	<100	<100	<200	<100	<100	<50	<50	<10	<5	<5	<5	<50	<25	<40	<50	<5000	NE
n-Butylbenzene		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	<10[c]	<5000[c]	5
sec-Butylbenzene	NA	<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	<10[c]	<5000[c]	5
tert-Butylbenzene		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	3.6	3.8	<1	<10[c]	<5	<8[c]	<10[c]	<2500[c]	5
Carbon disulfide		<200	<50	<50	<35	<40	<50	<50	<100	<50	<50	<10	<10	<5	<5	<5	<5	<50	<5	<8	<10	<5000	NE
Carbon tetrachloride		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	<10[c]	<5000[c]	5
Chlorobenzene	ND	250[a]	180[a]	150[a]	180[a]	230[a]	140[a]	130[a]	140[a]	310[a]	160[a]	180[a]	680[a]	690[a]	370[a]	410[a]	380[a]	380[a]	590[a]	290[a]	<5000[c]	5
Chloroethane	180[a]	<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<100[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	<10[c]	<1000[c]	5
Chloroform	920[a]	<200[c]	12[a]	4.9	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	3	2.8	<1[c]	<10[c]	<5	<8[c]	<10[c]	<750[c]	7
Chloromethane		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<100[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	<10[c]	<2500[c]	5
2-Chlorotoluene		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	16[a]	<2500[c]	5
4-Chlorotoluene		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	<10[c]	<2500[c]	5
1,2-Dibromo-3-chloropropane (DBCP)		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<20[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5[c]	<1[c]	<1[c]	<10[c]	<2.5[c]	<4[c]	<5.0[c]	<2500[c]	0.04
Dibromochloromethane		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<2.5	<4	<5.0[c]	<5000[c]	5
1,2-Dibromoethane (EDB)		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5[c]	<1[c]	<1[c]	<10[c]	<2.5[c]	<4[c]	<5.0[c]	<2000[c]	0.0006
Dibromomethane		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	<10[c]	<2500[c]	5
1,2-Dichlorobenzene	13[a]	430[a]	340[a]	320[a]	300[a]	370[a]	300[a]	290[a]	300[a]	380[a]	310[a]	340[a]	340[a]	350[a]	290[a]	290[a]	290[a]	170[a]	300[a]	260[a]	<5000[c]	3
1,3-Dichlorobenzene	ND	<200[c]	76[a]	70[a]	64[a]	84[a]	71[a]	60[a]	<100[c]	93[a]	68[a]	72[a]	79[a]	98[a]	93[a]	94[a]	84[a]	34[a]	73[a]	69[a]	<2500[c]	3
1,4-Dichlorobenzene	2	420[a]	440[a]	420[a]	370[a]	480[a]	440[a]	390[a]	450[a]	560[a]	430[a]	420[a]	470[a]	460[a]	350[a]	400[a]	340[a]	280[a]	440[a]	520[a]	<2500[c]	3
Dichlorodifluoromethane		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50	<50[c]	<100[c]	<100[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	<10[c]	<5000[c]	5
1,1-Dichloroethane	810[a]	250[a]	<50[c]	200[a]	94[a]	140[a]	190[a]	230[a]	240[a]	160[a]	170[a]	190[a]	40[a]	45[a]	120[a]	130[a]	96[a]	53[a]	76[a]	77[a]	5400[a]	5
1,2-Dichloroethane	ND	<200[c]	37[a]	26[a]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	21[a]	<10[c]	<5[c]	14[a]	13[a]	<10[c]	6.4[a]	<8[c]	<10[c]	<500[c]	0.6
1,1-Dichloroethene	ND	<200[c]	9.1[a]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	<10[c]	<500[c]	5
cis-1,2-Dichloroethene	4200[a]	3800[a]	1000[a]	460[a]	130[a]	1600[a]	530[a]	210[a]	180[a]	560[a]	150[a]	79[a]	21[a]	26[a]	140[a]	130[a]	32[a]	48[a]	120[a]	121[a]	25000[a]	5
trans-1,2-Dichloroethene		<200[c]	9.7[a]	6.1[a]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	7.1[a]	7.5[a]	<10[c]	<5	<8[c]	<10[c]	950[a]	5
1,2-Dichloropropane	ND	<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5[c]	<1	<1	<1	<10[c]	<5[c]	<8[c]	<10[c]	<1800[c]	1
1,3-Dichloropropane		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	<10[c]	<2500[c]	5
2,2-Dichloropropane		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	<10[c]	<2500[c]	5
1,1-Dichloropropene		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	<10[c]	<2500[c]	5
cis-1,3-Dichloropropene		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5[c]	<1[c]	<1[c]	<1[c]	<10[c]	<2.5[c]	<4[c]	<5.0[c]	<500[c]	0.4
trans-1,3-Dichloropropene		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5[c]	<1[c]	<1[c]	<1[c]	<10[c]	<2.5[c]	<4[c]	<5.0[c]	<500[c]	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2000	NE
Diethyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	62	NA	NE
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<200	NA	NE
Ethylbenzene	570[a]	520[a]	460[a]	470[a]	350[a]	460[a]	500[a]	560[a]	600[a]	560[a]	490[a]	570[a]	490[a]	460[a]	300[a]	490[a]	530[a]	280[a]	460[a]	520[a]	610[a]	5
4-Ethyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2000	NE
Hexachlorobutadiene		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5[c]	<1[c]	<1[c]	<1[c]	<10[c]	<2.5[c]	<4[c]	<5.0[c]	<600[c]	0.5
2-Hexanone	ND	<400	<100	<100	<70	<80	<100	<100	<200	<100	<100	<50	<50	<10	<5	<5	<50	<25	<40	<50	<5000	NE
Isopropylbenzene	NA	<200[c]	24[a]	24[a]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	32[a]	23[a]	30[a]	28[a]	28[a]	24[a]	15[a]	23[a]	21[a]	<500[c]	5
4-Isopropyltoluene	NA	<200[c]	<50[c]	23[a]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	28[a]	18[a]	19[a]	21[a]	20[a]	21[a]	<5	18[a]	36[a]	<500[c]	5
Methyl tert-butyl ether (MTBE)	NA	<200	87	59	54	47	52	54	<100	<50	<50	37	24	27	52	62	42	43	40	30	<1000	NE
4-Methyl-2-pentanone (MIBK)	12	<400	<100	<100	<70	<80	<100	<100	<200	<100	<100	<50	<50	<10	<5	<5	<50	<25	<40	<50[c]	<5000	NE
Methylene chloride	150[a]	<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<25[c]	<40[c]	<50[c]	<5000[c]	5
Naphthalene	15[a]	<200[c]	160[a]	170[a]	160[a]	200[a]	130[a]	150[a]	>160[a]	210[a]	200[a]	210[a]	170[a]	150[a]	230[a]	220[a]	230[a]	71[a]	210[a]	130[a]	<2500[c]	10
n-Propylbenzene	NA	<200[c]	49[a]	43[a]	35[a]	51[a]	<50[c]	<50[c]	<100[c]	56[a]	<50[c]	53[a]	39[a]	52[a]	48[a]	48[a]	38[a]	<5	<8[c]	30[a]	<500[c]	5
Styrene		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	<10[c]	<1000[c]	5
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA				NA	<50	NA	NE
1,2,3-Trichloropropane		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	<10[c]	<5000[c]	5
1,1,1,2-Tetrachloroethane		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	<10[c]	<500[c]	5
1,1,2,2-Tetrachloroethane	ND	<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<2.5	<4	<5.0	<500[c]	5
Tetrachloroethene (PCE)	3400[a]	<200[c]	4.1	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<5	<10[c]	<10[c]	<5	7.3[a]	1.2	<10[c]	<5	<8[c]	<10[c]	<500[c]	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2000	NE
Toluene	3900[a]	820[a]	980[a]	1200[a]	840[a]	980[a]	1400[a]	1900[a]	2100[a]	1000[a]	1300[a]	1400[a]	860[a]	830[a]	990[a]	1100[a]	1200[a]	690[a]	1000[a]	1100[a]	1600[a]	5
1,2,3-Trichlorobenzene		<200[c]	39[a]	67[a]	<35[c]	45[a]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	64[a]	20[a]	29[a]	17[a]	17[a]	11[a]	<5	45[a]	18[a]	<2500[c]	5
1,2,4-Trichlorobenzene	34[a]	<200[c]	170[a]	180[a]	110[a]	200[a]	160[a]	120[a]	180[a]	170[a]	130[a]	200[a]	72[a]	100[a]	72[a]	82[a]	32[a]	13[a]	72[a]	24[a]	<2500[c]	5
1,1,1-Trichloroethane	1200[a]	<200[c]	<50[c]	20[a]	<35[c]	62[a]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5	6[a]	5.7[a]	<10[c]	<5	<8[c]	<10[c]	<500[c]	5
1,1,2-Trichloroethane		<200[c]	<50[c]	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<50[c]	<10[c]	<10[c]	<5[c]	<1	<1	<1	<10[c]	<5[c]	<8[c]	<10[c]	<730[c]	1
Trichloroethene (TCE)	3900[a]	<200[c]	3.7	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<50[c]	<5	<10[c]	<10[c]	<5	2.8	1	<10[c]	<5	<8[c]	<10[c]	<500[c]	5
Trichlorofluoromethane		<200[c]	3.8	<50[c]	<35[c]	<40[c]	<50[c]	<50[c]	<100[c]	<100[c]	<50[c]	<10[c]	<10[c]	<5	<1	<1	<1	<10[c]	<5	<8[c]	<10[c]	<2500[c]	5
1,2,4-Trimethylbenzene	NA	360[a]	330[a]	340[a]	290[a]	410[a]	370[a]	340[a]	350[a]	440[a]	380[a]	420[a]	340[a]	340[a]	280[a]	300[a]	200[a]	340[a]	330[a]	<2500[c]	5
1,3,5-Trimethylbenzene	NA	<200[c]	150[a]	140[a]	<35[c]	<40[c]	160[a]	130[a]	140[a]	190[a]	150[a]	180[a]	140[a]	150[a]	150[a]	150[a]	<10[c]	74[a]	130[a]	130[a]	<2500[c]	5
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5000	NE
Vinyl chloride	1500[a]	540[a]	320[a]	180[a]	85[a]	210[a]	240[a]	120[a]	130[a]	200[a]	120[a]	47[a]	<10[c]	31[a]	51[a]	49[a]	18[a]	<5[c]	78[a]	60[a]	9700[a]	2
Total Xylenes	3000[a]	2610[a]	2240[a]	2120[a]	1630[a]	2030[a]	2380[a]	2660[a]	3220[a]	2540[a]	2270[a]	2340[a]	2340[a]	2130[a]	1760[a]	1920[a]	2180[a]	1240[a]	2130[a]	1720[a]	2300[a]	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method

NA: Not analyzed
NE: No allowable limit is established for the substance
<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
Sample Results:
a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Analyte	Concentration MW-20D												NYSDEC Groundwater Standard 6 NYCRR Part 703
	9/16/04	1/19/05	4/27/05	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	6/18/08	9/29/08	
Volatiles by 8260B (ug/L):														
Acetone	<1000	<1000	<10000	<8000	<20000	<6000	<750	<200	<5	<250	<400	<4000	<200	NE
Acrylonitrile	<1200[c]	<1200[c]	<12000[c]	<10000[c]	<25000[c]	<7500[c]	<150[c]	<40[c]	<5	<250[c]	<20[c]	<200[c]	<200[c]	5
Benzene	<250[c]	1300[a]	7700[a]	3000[a]	10000[a]	<1500[a]	660[a]	380[a]	600[a]	2800[a]	620[a]	2500[a]	240[a]	1
Bromobenzene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<100[c]	5
Bromochloromethane	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<20[c]	5
Bromodichloromethane	<250	<250	<2500	<2000	<5000	<1500	<150	<40	<1	<50	<40	<400	<100	NE
Bromoform	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500	<150	<40	<1	<50	<40	<400[c]	<80[c]	5
Bromomethane	<250[c]	<250[c]	<2500[c]	<2000[c]	<10000[a]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<40[c]	5
2-Butanone (MEK)	<500	<500	<5000	<4000	<10000	<3000	<750	<200	<5	<250	<200	<2000	<200	NE
n-Butylbenzene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<20[c]	5
sec-Butylbenzene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<20[c]	5
tert-Butylbenzene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<100[c]	5
Carbon disulfide	<250	<250	<2500	<2000	<5000	<1500	<150	<40	<5	<250	<40	<400	<200	NE
Carbon tetrachloride	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<20[c]	5
Chlorobenzene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	6.4[a]	<50[c]	<40[c]	<400[c]	350[a]	5
Chloroethane	<250[c]	<250[c]	<2500[c]	<2000[c]	<10000[a]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<40[c]	5
Chloroform	2000[a]	2400[a]	14000[a]	3500[a]	12000[a]	<1500[c]	650[a]	340[a]	460[a]	1800[a]	400[a]	<400[c]	<30[c]	7
Chloromethane	<250[c]	<250[c]	<2500[c]	<2000[c]	<10000[a]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<100[c]	5
2-Chlorotoluene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<100[c]	5
4-Chlorotoluene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<100[c]	5
1,2-Dibromo-3-chloropropane (DBCP)	<250[c]	<100[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1[c]	<50[c]	<20[c]	<200[c]	<100[c]	0.04
Dibromochloromethane	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<20[c]	<200[c]	<200[c]	5
1,2-Dibromoethane (EDB)	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1[c]	<50[c]	<20[c]	<200[c]	<80[c]	0.0006
Dibromomethane	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	240[a]	5
1,2-Dichlorobenzene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	300[a]	<40[c]	32[a]	<50[c]	<40[c]	<400[c]	<20[c]	5
1,3-Dichlorobenzene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	5.8[a]	<50[c]	<40[c]	<400[c]	<100[c]	5
1,4-Dichlorobenzene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	13[a]	<50[c]	<40[c]	<400[c]	380[a]	5
Dichlorodifluoromethane	<250[c]	<250[c]	<2500[c]	<2000[c]	<10000[a]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<200[c]	5
1,1-Dichloroethane	2000[a]	1200[a]	2800[a]	<2000[c]	<5000[c]	<1500[a]	560[a]	380[a]	580[a]	2800[a]	670[a]	3500[a]	65[a]	5
1,2-Dichloroethane	9300[a]	6200[a]	8800[a]	4200[a]	<5000[a]	3300[a]	2800[a]	1700[a]	3000[a]	10000[a]	2700[a]	520[a]	<20[c]	0.6
1,1-Dichloroethene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	180[a]	59[a]	<400[c]	<20[c]	5
cis-1,2-Dichloroethene	1400[a]	5300[a]	18000[a]	44000[a]	65000[a]	29000[a]	18000[a]	4500[a]	8400[a]	11000[a]	3900[a]	41000[a]	<20[c]	5
trans-1,2-Dichloroethene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	170[a]	<50[c]	<40[c]	<400[c]	<30[c]	5
1,2-Dichloropropane	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	25[a]	180[a]	<40[c]	<400[c]	<70[c]	1
1,3-Dichloropropane	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<100[c]	5
2,2-Dichloropropane	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<100[c]	5
1,1-Dichloropropene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<100[c]	5
cis-1,3-Dichloropropene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1[c]	<50[c]	<20[c]	<200[c]	<20[c]	0.4
trans-1,3-Dichloropropene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1[c]	<50[c]	<20[c]	<200[c]	<20[c]	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<80	NE
Diethyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<400	NA	NE
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<8000	NA	NE
Ethylbenzene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	480[a]	<40[c]	41[a]	140[a]	<40[c]	460[a]	470[a]	5
4-Ethyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	180	NE
Hexachlorobutadiene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1[c]	<50[c]	<20[c]	<2000[c]	<24[c]	0.5
2-Hexanone	<500	<500	<5000	<4000	<10000	<3000	<750	<200	<5	<250	<200	<400	<200	NE
Isopropylbenzene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	5.5[a]	<50[c]	<40[c]	<400[c]	<20[c]	5
4-Isopropyltoluene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	420[a]	<40[c]	9.7[a]	<50[c]	<40[c]	<400[c]	<20[c]	5
Methyl tert-butyl ether (MTBE)	<250	<250	<2500	<2000	<5000	<1500	<150	<40	<1	<50	<40	<400	<40	NE
4-Methyl-2-pentanone (MIBK)	<500	<500	<5000	<4000	<10000	<3000	<750	<40	<5	<250	<200	<2000	<200	NE
Methylene chloride	1900[a]	1200[a]	<2800[a]	<2000[c]	<5000[c]	<1500[a]	<150[a]	<120[a]	270[a]	1400[a]	<200[a]	<2000[a]	<200[a]	5
Naphthalene	560[a]	270[a]	2900[a]	<2000[c]	<5000[c]	<1500[a]	770[a]	88[a]	140[a]	800[a]	130[a]	<400[c]	150[a]	10
n-Propylbenzene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	230[a]	<40[c]	7.4[a]	<50[c]	<40[c]	<400[c]	31[a]	5
Styrene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<40[c]	5
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2000	NA	NE
trans-1,4-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2000	NA	NE
1,2,3-Trichloropropane	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<200[c]	5
1,1,1,2-Tetrachloroethane	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<20[c]	5
1,1,2,2-Tetrachloroethane	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<20[c]	<200[c]	<20[c]	5
Tetrachloroethene (PCE)	1400[a]	5100[a]	91000[a]	47000[a]	150000[a]	12000[a]	<750[c]	160[a]	230[a]	1800[a]	76[a]	<400[c]	<20[c]	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<80	NE
Toluene	<250[c]	690[a]	12000[a]	5200[a]	16000[a]	<1500[a]	<120[a]	<40[c]	28[a]	170[a]	<40[c]	2000[a]	1300[a]	5
1,2,3-Trichlorobenzene	<250[c]	<250[c]	5600[a]	<2000[c]	<5000[c]	<1500[c]	2600[a]	150[a]	99[a]	<50[c]	<40[c]	<400[c]	<100[c]	5
1,2,4-Trichlorobenzene	<250[c]	260[a]	39000[a]	4200[a]	21000[a]	4500[a]	15000[a]	850[a]	790[a]	220[a]	100[a]	<400[c]	<100[c]	5
1,1,1-Trichloroethane	<250[c]	670[a]	12000[a]	6400[a]	21000[a]	2700[a]	640[a]	250[a]	320[a]	580[a]	200[a]	<400[c]	<20[c]	5
1,1,2-Trichloroethane	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	<150[c]	<40[c]	<1	<50[c]	<40[c]	<400[c]	<30[c]	1
Trichloroethene (TCE)	6800[a]	7500[a]	98000[a]	33000[a]	120000[a]	7100[a]	820[a]	780[a]	1000[a]	7000[a]	870[a]	<400[c]	<20[c]	5
Trichlorofluoromethane	<250[c]	<250[c]	<2500[c]	<2000[c]	<10000[a]	<1500[c]	<150[c]	<40[c]	8.1[a]	<50[c]	<40[c]	<400[c]	<100[c]	5
1,2,4-Trimethylbenzene	<250[c]	<250[c]	4400[a]	<2000[c]	<5000[c]	<1500[a]	1800[a]	<40[c]	76[a]	91[a]	<40[c]	<400[c]	290[a]	5
1,3,5-Trimethylbenzene	<250[c]	<250[c]	<2500[c]	<2000[c]	<5000[c]	<1500[c]	850[a]	<40[c]	33[a]	<50[c]	<40[c]	<400[c]	110[a]	5
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<200	NE
Vinyl chloride	<100[c]	<250[a]	<2500[c]	<2000[c]	<10000[a]	<150[a]	120[a]	130[a]	170[a]	240[a]	390[a]	6900[a]	<40[c]	2
Total Xylenes	<250[c]	570[a]	12700[a]	4600[a]	14000[a]	2100[a]	2750[a]	68[a]	253[a]	600[a]	146[a]	1800[a]	2230[a]	5

Where necessary, the NYSDEC objectives, as ppm, have been converted to ppb to match the laboratory reporting method

NA: Not analyzed
NE: No allowable limit is established for the substance
<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
Sample Results:
a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Analyte	MW-22S																			NYSDEC Groundwater Standard 6 NYCRR Part 703
	8/28/03	8/20/03	2/6/04	5/17/04	7/29/04	1/19/05	1/19/05 (Dup)	4/27/2005	8/17/05	11/30/05	2/7/06	5/24/06	5/24/06 (Dup)	11/30/06	2/8/07	6/14/07	6/14/07 (Dup)	10/18/07	9/29/08	
Volatiles by 8260B (ug/L):																				
Acetone	ND	<20	<20	<20	<20	<20	<20	<20	Not Sampled	Not Sampled	Not Sampled	<5	<5	Not Sampled	Not Sampled	<5	<5	Not Sampled	2	NE
Acrylonitrile		<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]				<1	<1			<5	<5		1	5
Benzene	ND	<5[c]	0.49	0.26	<5[a]	<5[a]	<5[c]	<5[c]				<1	<1			<1	<1		0.92	1
Bromobenzene		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<0.5	5
Bromochloromethane		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<2.5	5
Bromodichloromethane		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<0.50	NE
Bromoform		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<2.0	5
Bromomethane		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<1.0	5
2-Butanone (MEK)		<10	<10	<10	<10	<10	<10	<10				<5	<5			<5	<5		<5.0	NE
n-Butylbenzene		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<0.50	5
sec-Butylbenzene	NA	<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<0.50	5
tert-Butylbenzene		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<2.5	5
Carbon disulfide		<5	<5	<5	<5	<5	<5	<5				<1	<1			<5	<5		<5.0	NE
Carbon tetrachloride		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<0.50	5
Chlorobenzene	4	<5	2.1	1.3	<5	<5	<5	<5				3	3.2			2.3	2.6		3.4	5
Chloroethane	ND	<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<1	5
Chloroform	1	<5	0.64	0.63	<5	<5	<5	<5				<1	<1			<1	<1		<0.75	7
Chloromethane		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<2.5	5
2-Chlorotoluene		<5	0.27	<5	<5	<5	<5	<5				<1	<1			<1	<1		<2.5	5
4-Chlorotoluene		<5	0.26	<5	<5	<5	<5	<5				<1	<1			<1	<1		<2.5	5
1,2-Dibromo-3-chloropropane (DBCP)		<5[c]	<5[c]	<5[a]	<5[c]	<2[c]	<2[a]	<5[c]				<1[a]	<1[a]			<1[a]	<1[a]		<2.5[a]	0.04
Dibromochloromethane		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<0.50	5
1,2-Dibromoethane (EDB)		<5[c]	<5[c]	<5[c]	<5[a]	<5[a]	<5[c]	<5[c]				<1[a]	<1[a]			<1[a]	<1[a]		<2.0[c]	0.0006
Dibromomethane		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		3.6	5
1,2-Dichlorobenzene	2	<5	2.4	1.2	<5	<5	<5	<5				3.2	3.3			2.6	2.8		<0.5	5
1,3-Dichlorobenzene	ND	<5	0.45	<5	<5	<5	<5	<5				<1	<1			<1	<1		<2.5	5
1,4-Dichlorobenzene	ND	<5	0.89	<5	<5	<5	<5	<5				<1	<1			1	<1		<2.5	5
Dichlorodifluoromethane		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<5.0	5
1,1-Dichloroethane	15[a]	9.1[a]	<5	2.8	5.7[a]	5.3[a]	5.1[a]	<5				2.7	2.7			1.6	1.6		2	5
1,2-Dichloroethane	2[a]	<5[c]	1[a]	0.64[a]	<5[c]	<5[c]	<5[a]	<5[c]				1.1[a]	1.1[a]			<1[a]	1[a]		1[a]	0.6
1,1-Dichloroethene	ND	<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<0.5	5
cis-1,2-Dichloroethene	32[a]	22[a]	13[a]	10[a]	16[a]	17[a]	16[a]	12[a]				9.8[a]	10[a]			6.3[a]	6.6[a]		5.1[a]	5
trans-1,2-Dichloroethene		<5	0.68	<5	<5	<5	<5	<5				<1	<1			<1	<1		<0.75	5
1,2-Dichloropropane	ND	<5[c]	<5[a]	<5[c]	<5[a]	<5[c]	<5[a]	<5[a]				<1	<1			<1	<1		<1.8[a]	1
1,3-Dichloropropane		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<2.5	5
2,2-Dichloropropane		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<2.5	5
1,1-Dichloropropene		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<2.5	5
cis-1,3-Dichloropropene		<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1[a]	<1[c]			<1[a]	<1[a]		<0.50[c]	0.4
trans-1,3-Dichloropropene		<5[c]	<5[c]	<5[c]	<5[a]	<5[c]	<5[c]	<5[c]				<1[a]	<1[a]			<1[a]	<1[a]		<0.50[c]	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA			NA	NA		<2.0	NE
Ethylbenzene	ND	<5	0.35	<5	<5	<5	<5	<5				<1	<1			<1	<1		<0.50	5
4-Ethyltoluene	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA			NA	NA		<2.0	NE
Hexachlorobutadiene		<5[c]	<5[c]	<5[c]	<5[c]	<5[a]	<5[c]	<5[c]				<1[a]	<1[a]			<1[a]	<1[a]		<0.60[c]	0.5
2-Hexanone	ND	<10	<10	<10	<10	<10	<10	<10				<5	<5			<5	<5		<5.0	NE
Isopropylbenzene	NA	<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<0.50	5
4-Isopropyltoluene	NA	<5	0.31	<5	<5	<5	<5	<5				<1	<1			<1	<1		<0.50	5
Methyl tert-butyl ether (MTBE)	NA	<5	<5	2.1	8.4	14	15	9.9				3.8	3.7			2.4	2.6		2.6	NE
4-Methyl-2-pentanone (MIBK)	ND	<10	<10	<10	<10	<10	<10	<10				<5	<5			<5	<5		<5.0	NE
Methylene chloride	2	<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<5.0	5
Naphthalene	ND	<5	0.52	<5	<5	<5	<5	<5				<1	<1			<1	<1		<2.5	10
n-Propylbenzene	NA	<5	0.28	<5	<5	<5	<5	<5				<1	<1			<1	<1		<0.50	5
Styrene		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<1.0	5
1,2,3-Trichloropropane		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<5.0	5
1,1,1,2-Tetrachloroethane		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<0.50	5
1,1,2,2-Tetrachloroethane	ND	<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<0.50	5
Tetrachloroethene (PCE)	7[a]	5.8[a]	<5	2.6	<5	<5	<5	<5				<1	1.1			1.5	1.2		<0.5	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA			NA	NA		<2.0	NE
Toluene	ND	<5	0.4	<5	<5	<5	<5	<5				<1	<1			<1	<1		<0.75	5
1,2,3-Trichlorobenzene		<5	0.35	<5	<5	<5	<5	<5				<1	<1			<1	<1		<2.5	5
1,2,4-Trichlorobenzene	ND	<5	0.43	<5	<5	<5	<5	<5				<1	<1			<1	<1		<2.5	5
1,1,1-Trichloroethane	2	<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<0.50	5
1,1,2-Trichloroethane		<5[c]	<5[a]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1	<1			<1	<1		<0.75	1
Trichloroethene (TCE)	21[a]	14[a]	5.6[a]	5.1[a]	7.2[a]	5.3[a]	<5	<5				3	3			3.8	3		1	5
Trichlorofluoromethane		<5	<5	<5	<5	<5	<5	<5				<1	<1			<1	<1		<2.5	5
1,2,4-Trimethylbenzene	NA	<5	0.43	<5	<5	<5	<5	<5				<1	<1			<1	<1		<2.5	5
1,3,5-Trimethylbenzene	NA	<5	0.32	<5	<5	<5	<5	<5				<1	<1			<1	<1		<2.5	5
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA	NA				NA	NA			NA	NA		<5.0	NE
Vinyl chloride	4[a]	13[a]	8[a]	5.9[a]	14[a]	14[a]	13[a]	18[a]				16[a]	15[a]			16[a]	17[a]		38[a]	2
Total Xylenes	ND	<5	1.18	<5	<5	<5	<5	<5				<1	<1			<1	<1		<1	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NA: Not analyzed
NE: No allowable limit is established for the substance
<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
Sample Results:
a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Analyte	MW-23R														MW-23S	NYSDEC Groundwater Standard 6 NYCRR Part 703
	2/6/04	5/17/04	7/29/04	1/19/05	4/27/2005	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	9/29/08	8/25/95	
Volatiles by 8260B (ug/L):																
Acetone	12	4.9	<20	<20	<20	Not Sampled	Not Sampled	Not Sampled	<5	Not Sampled	Not Sampled	9.3	Not Sampled	<5	15	NE
Acrylonitrile	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]				<1			<5		<5		5
Benzene	2.2[a]	2.2[a]	<5[c]	<5[c]	<5[c]				<1			<1		<0.5	ND	1
Bromobenzene	<5	<5	<5	<5	<5				<1			<1		<2.5		5
Bromochloromethane	<5	<5	<5	<5	<5				<1			<1		<0.5		5
Bromodichloromethane	<5	<5	<5	<5	<5				<1			<1		<2.5		NE
Bromoform	<5	<5	<5	<5	<5				<1			<1		<2		5
Bromomethane	<5	<5	<5	<5	<5				<1			<1		<1		5
2-Butanone (MEK)	<10	<10	<10	<10	<10				<5			<5		<5		NE
n-Butylbenzene	<5	<5	<5	<5	<5				<1			<1		<0.5		5
sec-Butylbenzene	0.38	<5	<5	<5	<5				<1			<1		<0.5	NA	5
tert-Butylbenzene	<5	<5	<5	<5	<5				<1			<1		<2.5		5
Carbon disulfide	<5	<5	<5	<5	<5				<1			<5		<5		NE
Carbon tetrachloride	<5	<5	<5	<5	<5				<1			<1		<0.5		5
Chlorobenzene	0.55	<5	<5	<5	<5				<1			<1		<0.5	ND	5
Chloroethane	<5	<5	<5	<5	<5				<1			2.2		3.1	ND	5
Chloroform	<5	<5	<5	<5	<5				<1			<1		<0.75	ND	7
Chloromethane	<5	<5	<5	<5	<5				<1			<1		<2.5		5
2-Chlorotoluene	<5	<5	<5	<5	<5				<1			<1		<2.5		5
4-Chlorotoluene	<5	<5	<5	<5	<5				<1			<1		<2.5		5
1,2-Dibromo-3-chloropropane (DBCP)	<5[c]	<5[c]	<5[c]	<2[a]	<5[c]				<1[a]			<1[a]		<2.5[c]		0.04
Dibromochloromethane	<5	<5	<5	<5	<5				<1			<1		<0.5		5
1,2-Dibromoethane (EDB)	<5[c]	<5[c]	<5[c]	<5[c]	<5[a]				<1[a]			<1[c]		<2[c]		0.0006
Dibromomethane	<5	<5	<5	<5	<5				<1			<1		<5		5
1,2-Dichlorobenzene	<5	<5	<5	<5	<5				<1			<1		<2.5	ND	5
1,3-Dichlorobenzene	<5	<5	<5	<5	<5				<1			<1		<2.5	ND	5
1,4-Dichlorobenzene	<5	<5	<5	7[a]	<5				<1			<1		<2.5	ND	5
Dichlorodifluoromethane	<5	<5	<5	<5	<5				<1			<1		<5		5
1,1-Dichloroethane	<5	<5	<5	<5	<5				<1			<1		<0.75	ND	5
1,2-Dichloroethane	0.52	<5[c]	<5[a]	<5[c]	<5[c]				<1[c]			<1[a]		<0.5	ND	0.6
1,1-Dichloroethene	<5	<5	<5	<5	<5				<1			<1		<0.5	ND	5
cis-1,2-Dichloroethene	<5	<5	<5	<5	<5				<1			<1		<0.5	ND	5
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5				<1			<1		<0.75		5
1,2-Dichloropropane	<5[a]	<5[c]	<5[c]	<5[c]	<5[c]				<1			<1		<1.8[c]	ND	1
1,3-Dichloropropane	<5	<5	<5	<5	<5				<1			<1		<2.5		5
2,2-Dichloropropane	<5	<5	<5	<5	<5				<1			<1		<2.5		5
1,1-Dichloropropene	<5	<5	<5	<5	<5				<1			<1		<2.5		5
cis-1,3-Dichloropropene	<5[c]	<5[a]	<5[c]	<5[c]	<5[a]				<1[a]			<1[a]		<0.5[a]		0.4
trans-1,3-Dichloropropene	<5[c]	<5[a]	<5[c]	<5[c]	<5[c]				<1[a]			<1[c]		<0.5[c]		0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA				NA			NA		<2		NE
Ethylbenzene	0.22	<5	<5	<5	<5				<1			<1		<0.5	ND	5
4-Ethyltoluene	NA	NA	NA	NA	NA				NA			NA		<2		NE
Hexachlorobutadiene	<5[c]	<5[c]	<5[a]	<5[c]	<5[c]				<1[a]			<1[a]		<0.6[c]		0.5
2-Hexanone	<10	<10	<10	<10	<10				<5			<5		<5	0.22	NE
Isopropylbenzene	<5	<5	<5	<5	<5				<1			<1		<0.5	ND	5
4-Isopropyltoluene	<5	<5	<5	<5	<5				<1			<1		<0.5	NA	5
Methyl tert-butyl ether (MTBE)	<5	<5	<5	<5	<5				5.4			4		2.8	NA	NE
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	<10				<5			<5		<5	NA	NE
Methylene chloride	<5	<5	<5	<5	<5				<1			<1		<5	ND	5
Naphthalene	<5	<5	<5	8.4	<5				<1			<1		<2.5	3	10
n-Propylbenzene	<5	<5	<5	<5	<5				<1			<1		<0.5	NA	5
Styrene	<5	<5	<5	<5	<5				<1			<1		<1		5
1,2,3-Trichloropropane	<5	<5	<5	<5	<5				<1			<1		<5		5
1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5				<1			<1		<0.5		5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5				<1			<1		<0.5	ND	5
Tetrachloroethene (PCE)	0.67	<5	<5	<5	<5				<1			<1		<0.5	ND	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA				NA			NA		<2		NE
Toluene	0.36	<5	<5	<5	<5				<1			<1		<0.75	ND	5
1,2,3-Trichlorobenzene	<5	<5	<5	<5	<5				<1			<1		<2.5		5
1,2,4-Trichlorobenzene	<5	<5	<5	<5	<5				<1			<1		<2.5	ND	5
1,1,1-Trichloroethane	<5	<5	<5	<5	<5				<1			<1		<0.5	ND	5
1,1,2-Trichloroethane	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1			<1		<0.75		1
Trichloroethene (TCE)	<5	0.27	<5	<5	<5				<1			<1		<0.5	ND	5
Trichlorofluoromethane	<5	<5	<5	<5	<5				<1			<1		<2.5		5
1,2,4-Trimethylbenzene	0.29	<5	<5	19[a]	<5				<1			<1		<2.5	NA	5
1,3,5-Trimethylbenzene	<5	<5	<5	<5	<5				<1			<1		<2.5	NA	5
Vinyl acetate	NA	NA	NA	NA	NA				NA			NA		<5	NA	NE
Vinyl chloride	<5[a]	<5[c]	<2	<5[c]	<5[c]				<0.5			<1		<1	ND	2
Total Xylenes	0.76	<5	<5	<5	<5				<1			<1		<1	ND	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NA: Not analyzed
NE: No allowable limit is established for the substance
<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
Sample Results:
a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date	Concentration																NYSDEC Groundwater Standard
	MW-24																
Analyte	2/5/04	5/17/04	7/29/04	1/19/05	1/19/05 (Dup)	4/27/05	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	6/18/08	9/29/08	6 NYCRR Part 703
Volatiles by 8260B (ug/L)																	
Acetone	<20	<20	<20	<20	<20	<20	<20	<20	<20	<5	<20	<5	<5	<10	<20	<12	NE
Acrylonitrile	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<1	<25[c]	<5	<5	<0.5	<1.0	<12[c]	5
Benzene	100[a]	100[a]	85[a]	76[a]	83[a]	84[a]	100[a]	110[a]	95[a]	110[a]	77[a]	92[a]	98[a]	72[a]	76[a]	120[a]	1
Bromobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<6.2[c]	5
Bromochloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<1.2	5
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<6.2	NE
Bromoform	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<5	5
Bromomethane	<5	<5	<5	<5	<5	<5	<5	<10[c]	<5	<1	<5	<1	<1	<1	<2.0	<2.5[c]	5
2-Butanone (MEK)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<5	<10	<5	<5	<5	<10	<12	NE
n-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	1.3	<5	1.4	1.2	<1	<2.0	<1.2	5
sec-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	2.1	1.2	<2.0	<1.2	5
tert-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	1.4	<5	1.1	1.1	<1	<2.0	<6.2[c]	5
Carbon disulfide	<5	1.8	<5	<5	<5	<5	<5	<5	<5	<1	<5	<5	<5	<1	<2.0	<12	NE
Carbon tetrachloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<1.2	5
Chlorobenzene	130[a]	94[a]	130[a]	120[a]	120[a]	140[a]	130[a]	120[a]	130[a]	130[a]	130[a]	120[a]	130[a]	73[a]	110[a]	69[a]	5
Chloroethane	<5	<5	<5	<5	<5	>5	<5	<10[c]	<5	<1	<5	<1	<1	<1	<2.0	5[a]	5
Chloroform	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<1.9	7
Chloromethane	<5	<5	<5	<5	<5	<5	<5	<10[c]	<5	<1	<5	<1	<1	<1	<2.0	<6.2[c]	5
2-Chlorotoluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<6.2[c]	5
4-Chlorotoluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<6.2[c]	5
1,2-Dibromo-3-chloropropane (DBCP)	<5[c]	<5[c]	<5[c]	<2[c]	<0.5[c]	<5[c]	<2[c]	<5[c]	<5[c]	<1[c]	<5[c]	<1[c]	<1[c]	<0.5[c]	<1.0	<6.2[c]	0.04
Dibromochloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<0.5	<1.0	<12[c]	5
1,2-Dibromoethane (EDB)	<5[c]	<5[c]	<5[c]	<5[c]	<0.5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1[c]	<5[c]	<1[c]	<1[c]	<0.5[c]	<1.0	<5[c]	0.0006
Dibromomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<6.2[c]	5
1,2-Dichlorobenzene	7.5[a]	4.9	6.1[a]	6.7[a]	6.2[a]	6.4[a]	5.4[a]	6.2[a]	6.4[a]	6[a]	5.1[a]	4.7	5	1	4.0	<1.2	5
1,3-Dichlorobenzene	18[a]	11[a]	16[a]	16[a]	16[a]	17[a]	14[a]	14[a]	16[a]	16[a]	13[a]	12[a]	11[a]	2.6	3.4	<6.2[c]	5
1,4-Dichlorobenzene	18[a]	13[a]	16[a]	17[a]	17[a]	16[a]	14[a]	15[a]	17[a]	16[a]	14[a]	12[a]	12[a]	2.4	7.6[a]	<6.2[c]	5
Dichlorodifluoromethane	<5	<5	<5	<5	<5	<5	<5	<10[c]	<5	<1	<5	<1	<1	<1	<2.0	<12[c]	5
1,1-Dichloroethane	<5	1.9	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<1.9	5
1,2-Dichloroethane	0.89[a]	0.5	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1[c]	<5[c]	<1[c]	<1[c]	<1[c]	<2.0	3.5[a]	0.6
1,1-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<1.2	5
cis-1,2-Dichloroethene	23[a]	73[a]	130[a]	<5	<5	<5	<5	<5	<5	<1	49[a]	<1	<1	<1	2.4	<1.2	5
trans-1,2-Dichloroethene	0.42	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<1.9	5
1,2-Dichloropropane	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1	<5[c]	<1	<1	<1	<2.0	<4.4[c]	1
1,3-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<6.2[c]	5
2,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<6.2[c]	5
1,1-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<6.2[c]	5
cis-1,3-Dichloropropene	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1[c]	<5[c]	<1[c]	<1[c]	<0.5[c]	<1.0	<1.2[c]	0.4
trans-1,3-Dichloropropene	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1[c]	<5[c]	<1[c]	<1[c]	<0.5[c]	<1.0	<1.2[c]	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NE
Diethyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	96	NA	NE
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	110	NA	NE
Ethylbenzene	3.2	2.3	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<1.2	5
4-Ethyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5	NE
Hexachlorobutadiene	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1[c]	<5[c]	<1[c]	<1[c]	<0.5	<1.0	<1.5[c]	0.5
2-Hexanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<5	<10	<5	<5	<5	<10	<12	NE
Isopropylbenzene	4.6	3.2	<5	<5	<5	<5	<5	<5	<5	4.3	<5	4.5	4.9	2.9	3.5	2.1	5
4-Isopropyltoluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	1<5	<1	<1	<1	<2.0	<1.2	5
Methyl tert-butyl ether (MTBE)	12	9.5	8.2	8.8	9	8.4	9.9	9.3	8.8	8.7	7.2	10	11	10	7.7	6.8	NE
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<5	<10	<5	<5	<5	<10	<12	NE
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<5	<10[c]	<12[c]	5
Naphthalene	20[a]	14[a]	19[a]	18[a]	12[a]	18[a]	21[a]	5.9[a]	19[a]	13[a]	15[a]	17[a]	17[a]	2.3	2.1	<6.2	10
n-Propylbenzene	8.5[a]	4.7	6.6[a]	<5	5.1[a]	5.8[a]	5[a]	<5	<5	6[a]	7.3[a]	8.1[a]	9.1[a]	<1	5.3[a]	3.9	5
Styrene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<2.5[c]	5
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	NA	NE
trans-1,4-Trichloro-1,2,2-trifluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	NA	NE
1,2,3-Trichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<12	5
1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<1.2	5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<0.5	<2.0	<1.2	5
Tetrachloroethene (PCE)	2.6	1.1	12[a]	<5	<5	<5	<5	<5	<0.5	<1	<5	<1	<1	<1	<2.0	<1.2	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<10	<5	NE
Toluene	2.2	0.98	<5	<5	<5	<5	<5	<5	<5	1	<5	<1	<1	<1	<2.0	<1.9	5
1,2,3-Trichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<6.2[c]	5
1,2,4-Trichlorobenzene	1	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<6.2[c]	5
1,1,1-Trichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<6.2[c]	5
1,1,2-Trichloroethane	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1	<5[c]	<1	<1	<1	<2.0	<1.9[c]	1
Trichloroethene (TCE)	2.1	1.3	11[a]	<5	<5	<5	<5	<5	<0.5	<1	<5	<1	<1	<1	<2.0	<1.2	5
Trichlorofluoromethane	<5	<5	<5	<5	<5	<5	<5	<10[c]	<5	<1	<5	<1	<1	<1	<2.0	<6.2[c]	5
1,2,4-Trimethylbenzene	8.8[a]	7.8[a]	<5	<5	<5	5.6[a]	7.8[a]	<5	5.7[a]	4	<5	5.1[a]	3	<1	2.8	<6.2[c]	5
1,3,5-Trimethylbenzene	<5	0.32	<5	<5	<5	<5	<5	<5	<5	<1	<5	1.6	1.8	<1	<2.0	<6.2[c]	5
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<12	NE
Vinyl chloride	<5[c]	11[a]	21[a]	<5[c]	<2	<5[c]	<5[c]	<10[c]	<0.5	>0.5	20[a]	<1	<1	<1	<2.0	<2.5[c]	2
Total Xylenes	10[a]	6.98[a]	<5	<5	<5	<5	<5	5.7[a]	<5	5.9[a]	5.4[a]	<5	5.7[a]	4.6	2.7	5.1[a]	<2.5	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method

NA - Not analyzed
NE - No allowable limit is established for the substance
<x - Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
Sample Results
a - Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c - Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date / Analyte	MW-25																				NYSDEC Groundwater Standard
	2/5/04	5/17/04	7/29/04	1/19/05	4/27/05	8/17/05	8/17/05 (Dup)	11/30/05	11/30/05 (Dup)	2/7/06	2/7/06 (Dup)	5/24/06	5/24/06 (Dup)	11/30/06	2/8/07	6/14/07	6/14/07 (Dup)	10/18/07	4/18/08	9/29/08	6 NYCRR Part 703
Volatiles by 8260B (ug/L):																					
Acetone	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	<5	<5	<20	<5	10	<5	750	<10	<5.0	NE
Acrylonitrile	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<1	<1	<25[c]	<5	<5	<5	<2.5	<0.5	<5.0[c]	5
Benzene	3.6[a]	8[a]	24[a]	6.8[a]	<5	<5[a]	<5[a]	15[a]	15[a]	7.5[a]	7.1[a]	7.9[a]	8.3[a]	22[a]	1.8[a]	1.3[a]	1.4[a]	<5[a]	12[a]	28	1
Bromobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<2.5	5
Bromochloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<2.5	5
Bromodichloromethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<0.50	NE
Bromoform	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<2.0	5
Bromomethane	<5	<5	<5	<5	<5	<5	<10[c]	<10[c]	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<1.0	5
2-Butanone (MEK)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<5	<5	<10	<5	<5	<5	<25	<5.0	<5.0	NE
n-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<0.50	5
sec-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<0.50	5
tert-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<2.5	5
Carbon disulfide	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<5	<5	<5	<5	<1.0	<5.0	NE
Carbon tetrachloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<0.50	5
Chlorobenzene	0.99	1	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	1.6	0.9[a]	5
Chloroethane	<5	53[a]	100[a]	46[a]	68[a]	33[a]	28[a]	52[a]	68[a]	180[a]	180[a]	<1	<1	160[a]	<1	52[a]	46[a]	22[a]	70[a]	5.7[a]	5
Chloroform	0.92	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<0.75	7
Chloromethane	<5	<5	<5	<5	<5	<5	<5	<10[c]	<10[c]	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<2.5	5
2-Chlorotoluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<2.5	5
4-Chlorotoluene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<2.5	5
1,2-Dibromo-3-chloropropane (DBCP)	<5[c]	<5[c]	<5[c]	<2[c]	<5[c]	<2[c]	<2[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1[c]	<1[c]	<5[c]	<1[c]	<1[c]	<1[c]	<2.5[c]	<0.5[c]	<2.5[c]	0.01
Dibromochloromethane	<5	<5	<5	<2	<5	<2	<2	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<2.5	<0.5	<0.50	5
1,2-Dibromoethane (EDB)	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1[c]	<1[c]	<5[c]	<1[c]	<1[c]	<1[c]	<2.5[c]	<0.5[c]	<2.0[c]	0.0006
Dibromomethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<5.0	5
1,2-Dichlorobenzene	0.37	0.38	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<2.5	5
1,3-Dichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<2.5	5
1,4-Dichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	5[a]	5
Dichlorodifluoromethane	<5	<5	<5	<5	<5	<5	<5	<10[c]	<10[c]	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<5.0	5
1,1-Dichloroethane	21[a]	4.1	<5	<5	<5	<5	<5	<5	<5	<5	<5	1.3	1	<5	2.1	<1	<1	<5	<1.0	<0.75	5
1,2-Dichloroethane	1.3[a]	0.49[b]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<5[a]	<1[a]	<1[a]	<5[a]	<1[a]	<1[a]	<1[a]	<5[a]	<1.0	1.2[a]	0.6
1,1-Dichloroethene	0.69	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<0.50	5
cis-1,2-Dichloroethene	87[a]	14[a]	5.3[a]	<5	<5	10[a]	13[a]	5.4[a]	5.6[a]	<5	<5	2.3	1.6	<5	2.9	4.8	2.4	<5	<1.0	0.8	5
trans-1,2-Dichloroethene	1.3	0.62	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	1.1	5
1,2-Dichloropropane	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1[c]	<1[c]	<5[c]	<1[c]	<1[c]	<1[c]	<5[c]	<1.0	<1.8[a]	1
1,3-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<2.5	5
2,2-Dichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<2.5	5
1,1-Dichloropropene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<0.5	<2.5	5
cis-1,3-Dichloropropene	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1[c]	<1[c]	<5[c]	<1[c]	<1[c]	<1[c]	<2.5[c]	<0.5[c]	<0.50[c]	0.4
trans-1,3-Dichloropropene	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1[c]	<1[c]	<5[c]	<1[c]	<1[c]	<1[c]	<2.5[c]	<0.5[c]	<0.50[c]	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	NE
Diethyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	90	NE
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	NE
Ethylbenzene	0.26	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<0.50	5
4-Ethyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	NE
Hexachlorobutadiene	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1[c]	<1[c]	<5[c]	<1[c]	<1[c]	<1[c]	<2.5[c]	<1.0[c]	<0.60[c]	0.5
2-Hexanone	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<5	<5	<10	<5	<5	<5	<25	<0.5	<5.0	NE
Isopropylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<5.0	<0.50	5
4-Isopropyltoluene	0.31	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	1.2	<5	<1.0	<0.50	5
Methyl tert-butyl ether (MTBE)	22	33	54	40	38	28	27	44	45	45	44	42	43	49	8.1	16	21	23	41	30	NE
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<5	<5	<10	<5	<5	<5	<25	<5.0	<5.0	NE
Methylene chloride	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<25[c]	<5.0	<5.0	5
Naphthalene	1.6	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	1	<1	<1	44[a]	<5.0	<2.5	10
n-Propylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<0.50	5
Styrene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<1.0	5
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.9	NA	NE
trans-1,4-Trichloro-1,2,2-trifluoroethene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NA	NE
1,2,3-Trichloropropane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<5.0	5
1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<0.50	5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<2.5	<0.5	<0.50	5
Tetrachloroethene (PCE)	21[a]	3	<5	<5	<5	<5	<5	<5	<5	0.78	0.61	<1	<1	<5	<1	2.6	1.1	<5	<1.0	0.91	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2.0	NE
Toluene	0.39	0.33	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<0.75	5
1,2,3-Trichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<2.5	5
1,2,4-Trichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<2.5	5
1,1,1-Trichloroethane	<5	0.7	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<0.50	5
1,1,2-Trichloroethane	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<1[c]	<1[c]	<5[c]	<1[c]	<1[c]	<1[c]	<5[c]	<1.0	<0.75	1
Trichloroethene (TCE)	20[a]	3.7	<5	<5	<5	<5	<5	<5	<5	0.65	0.58	<1	<1	<5	<1	2.6	1.1	<5	<1.0	0.56	5
Trichlorofluoromethane	<5	<5	<5	<5	<5	<5	<5	<10[c]	<10[c]	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<2.5	5
1,2,4-Trimethylbenzene	0.34	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<2.5	5
1,3,5-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	<2.5	5
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	NE
Vinyl chloride	52[a]	<5[a]	2.9[a]	<5[a]	<5[a]	12[a]	15[a]	<10[a]	<10[c]	4.3[a]	4.3[a]	2.6[a]	2.2[a]	<2	<1	1	1	<5[a]	<1.0	<1	2
Total Xylenes	1.04	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<1	<5	<1	<1	<1	<5	<1.0	1.7	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NA: Not analyzed
NE: No allowable limit is established for the substance
<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
Sample Results:
a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date / Analyte	MW-26													NYSDEC Groundwater Standard
	2/5/04	5/17/04	7/29/04	1/19/05	4/27/05	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	9/29/08	6 NYCRR Part 703
Volatiles by 8260B (ug/L):															
Acetone	38	4.2	<20	<20	<20	Not	Not	Not	<5	Not	Not	<5	Not	<5.0	NE
Acrylonitrile	<50[c]	<25[c]	<25[c]	<25[c]	<25[c]	Sampled	Sampled	Sampled	<1	Sampled	Sampled	<5	Sampled	<5.0[c]	5
Benzene	53[a]	32[a]	36[a]	41[a]	11[a]				29[a]			27[a]		18[a]	1
Bromobenzene	<10[c]	<5	<5	<5	<5				<1			<1		<2.5	5
Bromochloromethane	<10[c]	<5	<5	<5	<5				<1			<1		<2.5	5
Bromodichloromethane	<10	<5	<5	<5	<5				<1			<1		<0.50	NE
Bromoform	<10[c]	<5	<5	<5	<5				<1			<1		<2.0	5
Bromomethane	<10[c]	<5	<5	<5	<5				<1			<1		<1.0	5
2-Butanone (MEK)	<20	<10	<10	<10	<10				<5			<5		<5.0	NE
n-Butylbenzene	<10[c]	<5	<5	<5	<5				<1			<1		<0.50	5
sec-Butylbenzene	<10[c]	<5	<5	<5	<5				<1			<1		<0.50	5
tert-Butylbenzene	<10[c]	<5	<5	<5	<5				<1			<1		<2.5	5
Carbon disulfide	<10	<5	<5	<5	<5				<1			<5		<5.0	NE
Carbon tetrachloride	<10[c]	<5	<5	<5	<5				<1			<1		<0.50	5
Chlorobenzene	<10[c]	4.4	<5	<5	<5				8.6[a]			9.8[a]		2	5
Chloroethane	<10[c]	34[a]	18[a]	13[a]	5.4[a]				<1			9[a]		43[a]	5
Chloroform	1.4	<5	<5	<5	<5				<1			<1		<0.75[c]	7
Chloromethane	<10[c]	<5	<5	<5	<5				<1			<1		<2.5	5
2-Chlorotoluene	<10[c]	<5	<5	<5	<5				<1			<1		<2.5	5
4-Chlorotoluene	<10[c]	<5	<5	<5	<5				<1			<1		<2.5	5
1,2-Dibromo-3-chloropropane (DBCP)	<10[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1[c]			<1[c]		<2.5[c]	0.04
Dibromochloromethane	<10[c]	<5	<5	<5	<5				<1			<1		<0.50	5
1,2-Dibromoethane (EDB)	<10[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1[c]			<1[c]		<2.0[c]	0.0006
Dibromomethane	<10[c]	<5	<5	<5	<5				<1			<1		<5.0	5
1,2-Dichlorobenzene	<10[c]	1.4	<5	<5	<5				2			1.9		<2.5	5
1,3-Dichlorobenzene	0.47	0.92	<5	<5	<5				1.7			1.3		<2.5	5
1,4-Dichlorobenzene	1.2	2.8	<5	<5	<5				5.4[a]			4.9		<2.5	5
Dichlorodifluoromethane	<10[c]	<5	<5	<5	<5				<1			<1		<5.0	5
1,1-Dichloroethane	3	5.4[a]	<5	<5	<5				1.1			1.4		<0.75	5
1,2-Dichloroethane	<10[c]	2.1[a]	<5[c]	<5[c]	<5[c]				1.2[a]			1[a]		0.63[a]	0.6
1,1-Dichloroethene	<10[c]	<5	<5	<5	<5				<1			<1		<0.50	5
cis-1,2-Dichloroethene	14[a]	8.2[a]	<5	13[a]	<5				1.1			2.6		<0.5	5
trans-1,2-Dichloroethene	0.76	1.3	<5	<5	<5				<1			<1		1.4	5
1,2-Dichloropropane	<10[c]	0.4	<5[c]	<5[c]	<5[c]				<1			<1		<1.0[c]	1
1,3-Dichloropropane	<10[c]	<5	<5	<5	<5				<1			<1		<2.5	5
2,2-Dichloropropane	<10[c]	<5	<5	<5	<5				<1			<1		<2.5	5
1,1-Dichloropropene	<10[c]	<5	<5	<5	<5				<1			<1		<2.5	5
cis-1,3-Dichloropropene	<10[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1[c]			<1[c]		<0.50[c]	0.4
trans-1,3-Dichloropropene	<10[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1[c]			<1[c]		<0.50[c]	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA				NA			NA		<2.0	NE
Ethylbenzene	0.75	<5	<5	<5	<5				<1			<1		<0.50	5
4-Ethyltoluene	NA	NA	NA	NA	NA				NA			NA		<2.0	NE
Hexachlorobutadiene	<10[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1[c]			<1[c]		<0.60[c]	0.5
2-Hexanone	<20	<10	<10	<10	<10				<5			<5		<5.0	NE
Isopropylbenzene	<10[c]	<5	<5	<5	<5				<1			<1		<0.50	5
4-Isopropyltoluene	<10[c]	<5	<5	<5	<5				<1			<1		<0.50	5
Methyl tert-butyl ether (MTBE)	260	70	93	95	22				42			33		42	NE
4-Methyl-2-pentanone (MIBK)	<20	<10	<10	<10	<10				<5			<5		<5.0	NE
Methylene chloride	<10[c]	<5	<5	<5	<5				<1			<1		<5.0	5
Naphthalene	0.84	<5	<5	<5	<5				<1			<1		<2.5	10
n-Propylbenzene	<10[c]	<5	<5	<5	<5				<1			<1		<0.50	5
Styrene	<10[c]	<5	<5	<5	<5				<1			<1		<1.0	5
1,2,3-Trichloropropane	<10[c]	<5	<5	<5	<5				<1			<1		<5.0	5
1,1,1,2-Tetrachloroethane	<10[c]	<5	<5	<5	<5				<1			<1		<0.50	5
1,1,2,2-Tetrachloroethane	<10[c]	<5	<5	<5	<5				<1			<1		<0.50	5
Tetrachloroethene (PCE)	4.1	0.96	<5	<5	<5				<1			0.91		5	
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA				NA			NA		<2.0	NE
Toluene	3.1	0.62	<5	<5	<5				<1			<1		<0.75	5
1,2,3-Trichlorobenzene	<10[c]	<5	<5	<5	<5				<1			<1		<2.5	5
1,2,4-Trichlorobenzene	0.65	<5	<5	<5	<5				<1			<1		<2.5	5
1,1,1-Trichloroethane	<10[c]	<5	<5	<5	<5				<1			<1		<0.50	5
1,1,2-Trichloroethane	<10[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1			<1		<0.75	1
Trichloroethene (TCE)	5	1.3	<5	<5	<5				<1			<1		<0.5	5
Trichlorofluoromethane	<10[c]	<5	<5	<5	<5				<1			<1		<2.5	5
1,2,4-Trimethylbenzene	1.3	<5	<5	<5	<5				<1			<1		<2.5	5
1,3,5-Trimethylbenzene	0.73	<5	<5	<5	<5				<1			<1		<2.5	5
Vinyl acetate	NA	NA	NA	NA	NA				NA			NA		<5.0	NE
Vinyl chloride	12[a]	16[a]	3.2[a]	17[a]	<5				1.3			3.5[a]		<1	2
Total Xylenes	4.9	1.1	<5	<5	<5				1			1.2		<1.0	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NA: Not analyzed
NE: No allowable limit is established for the substance
<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
Sample Results:
a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date / Analyte	MW-27															NYSDEC Groundwater Standard 6 NYCRR Part 703
	2/6/04	5/17/04	7/20/04	1/19/05	4/21/2005	8/17/2005	11/30/2005	2/7/2006	5/24/2006	11/30/06	2/8/07	6/14/07	10/18/07	6/16/08	9/2/2008	
Volatiles by 8260B (ug/L)																
Acetone	<200	140	<160	Not	<120	<200	<200	<200	<50	<50	<5	<25	<50	<150	<200	NE
Acrylonitrile	<250[c]	<500[c]	<200[c]	Sampled	<150[c]	<250[c]	<250[c]	<250[c]	<10[c]	<10[c]	<5	<25[c]	<2.5	7.5[c]	<200[c]	5
Benzene	190[a]	330[a]	140[a]		140[a]	150[a]	150[a]	120[a]	140[a]	100[a]	150[a]	220[a]	150[a]	150[a]	150[a]	1
Bromobenzene	9.5[c]	13[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	8[c]	<5	<15[c]	<100[c]	5
Bromochloromethane	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	<15[c]	<20[c]	5
Bromodichloromethane	<50	<100	<40		<30	<50	<50	<50	<10	<10	<1	<5	<5	<15	<100	NE
Bromoform	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50	<10	<10	<1	<5	<5	<15[c]	<80	5
Bromomethane	<50[c]	<100[c]	<40[c]		<30[c]	80[a]	<100[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	<15[c]	<40[c]	5
2-Butanone (MEK)	<100	<200	<80		<60	<100	<100	<100	<50	<20	<5	<25	<25	<75	<200	NE
n-Butylbenzene	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	<15[c]	<20[c]	5
sec-Butylbenzene	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	<15[c]	<20[c]	5
tert-Butylbenzene	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	3.4	<5	<5	<15[c]	<100[c]	5
Carbon disulfide	<50	<100	<40		<30	<50	<50	<50	<10	<10	<5	<25	<5	<15	<200	NE
Carbon tetrachloride	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	<15[c]	<20[c]	5
Chlorobenzene	830[a]	860[a]	320[a]		920[a]	1200[a]	1200[a]	1200[a]	1200[a]	1200[a]	1200[a]	1200[a]	1200[a]	1100[a]	1500[a]	5
Chloroethane	35[c]	<100[c]	62[c]		<30[c]	230[a]	<100[c]	<50[c]	32[c]	75[c]	280[a]	140[a]	75[c]	82[c]	79[c]	5
Chloroform	40[c]	53[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	<15[c]	<30[c]	7
Chloromethane	<50[c]	<100[c]	<40[c]		<30[c]	87[c]	<100[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	<15[c]	<100[c]	5
2-Chlorotoluene	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	<15[c]	<100[c]	5
4-Chlorotoluene	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	<15[c]	<100[c]	5
1,2-Dibromo-3-chloropropane (DBCP)	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1[c]	<5[c]	<2.5[c]	<7.5[c]	<10[c]	0.04
Dibromochloromethane	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5	<2.5	<7.5[c]	<20[c]	5
1,2-Dibromoethane (EDB)	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1[c]	<5[c]	<2.5[c]	<7.5[c]	<20[c]	0.0006
Dibromomethane	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	<15[c]	<200[c]	5
1,2-Dichlorobenzene	340[a]	530[a]	250[a]		250[a]	280[a]	250[a]	270[a]	250[a]	210[a]	300[a]	440[a]	200[a]	150[a]	180[a]	5
1,3-Dichlorobenzene	180[a]	240[a]	100[a]		230[a]	240[a]	250[a]	240[a]	240[a]	200[a]	240[a]	280[a]	140[a]	110[a]	120[a]	5
1,4-Dichlorobenzene	770[a]	990[a]	720[a]		690[a]	790[a]	640[a]	570[a]	490[a]	340[a]	470[a]	700[a]	320[a]	270[a]	280[a]	5
Dichlorodifluoromethane	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<100[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	<15[c]	<200[c]	5
1,1-Dichloroethane	210[a]	280[a]	73[a]		56[a]	64[a]	<50[c]	<50[c]	43[a]	26[a]	180[a]	240[a]	52[a]	38[a]	44[a]	5
1,2-Dichloroethane	19[a]	22[a]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	6.4[a]	8[a]	<5[c]	<15[c]	<20[c]	0.6
1,1-Dichloroethene	12[a]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	<15[c]	<20[c]	5
cis-1,2-Dichloroethene	1200[a]	2500[a]	140[a]		74[a]	99[a]	58[a]	<50[c]	61[a]	36[a]	440[a]	340[a]	100[a]	100[a]	130[a]	5
trans-1,2-Dichloroethene	6.3[a]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	10[a]	<5	<5	<15[c]	<30[c]	5
1,2-Dichloropropane	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	1.2[a]	<5[c]	<5[c]	<15[c]	<70[c]	1
1,3-Dichloropropane	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	<15[c]	<100[c]	5
2,2-Dichloropropane	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	<15[c]	<100[c]	5
1,1-Dichloropropene	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	<15[c]	<100[c]	5
cis-1,3-Dichloropropene	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1[c]	<5[c]	<2.5[c]	<7.5[c]	<20[c]	0.4
trans-1,3-Dichloropropene	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1[c]	<5[c]	<2.5[c]	<7.5[c]	<20[c]	0.4
1,4-Diethylbenzene	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<80	NE
Diethyl ether	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	100	NA	NE
1,4-Dioxane	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	<300	NA	NE
Ethylbenzene	150[a]	480[a]	110[a]		110[a]	130[a]	120[a]	100[a]	110[a]	100[a]	130[a]	180[a]	100[a]	82[a]	110[a]	5
4-Ethyltoluene	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<80	NE
Hexachlorobutadiene	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1[c]	<5[c]	<2.5[c]	<7.5[c]	<24	0.5
2-Hexanone	<100	<200	<80		<60	<100	<100	<100	<50	<50	<5	<25	<25	<75	<200	NE
Isopropylbenzene	13[c]	17[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	15[c]	13[c]	19[c]	18[c]	13[c]	<15[c]	<20[c]	5
4-Isopropyltoluene	<50[c]	24[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	19[c]	17[c]	22[c]	16[c]	15[c]	26[c]	<20[c]	5
Methyl tert-butyl ether (MTBE)	98	88	80		62	75	68	60	58	47	81	61	66	61	54	NE
4-Methyl-2-pentanone (MIBK)	<100	<200	<80		<60	<100	<100	<100	<10	<50	7.4	<25	<25	<75	<200	NE
Methylene chloride	<50[c]	38[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5	<25[c]	<75[c]	<200[c]	5
Naphthalene	76[a]	140[a]	91[a]		63[a]	82[a]	82[a]	82[a]	80[a]	66[a]	110[a]	140[a]	84[a]	29[a]	<100[c]	10
n-Propylbenzene	25[a]	34[a]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	29[a]	<10[c]	35[a]	29[a]	28[a]	<15[c]	<20[c]	5
Styrene	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	<15[c]	<40[c]	5
Tetrahydrofuran	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	<75	NA	NE
trans-1,4-Dichloro-2,2,3-trifluorobutane	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	<75	NA	NE
1,2,3-Trichloropropane	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	<15[c]	<200[c]	5
1,1,1,2-Tetrachloroethane	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	NA	<20[c]	5
1,1,2,2-Tetrachloroethane	<50[c]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5	<2.5	<15[c]	<20[c]	5
Tetrachloroethene (PCE)	580[a]	460[a]	<40[c]		<30[c]	<50[c]	<50[c]	<5	<10[c]	<10[c]	3.2	<5	<5	<15[c]	<20[c]	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<80	NE
Toluene	200[a]	390[a]	72[a]		74[a]	90[a]	78[a]	61[a]	55[a]	56[a]	58[a]	200[a]	210[a]	64[a]	44[a]	56[a]
1,2,3-Trichlorobenzene	60[a]	210[a]	50[a]		36[a]	61[a]	<50[c]	55[a]	56[a]	<10[c]	50[a]	48[a]	<5	<15[c]	<100[c]	5
1,2,4-Trichlorobenzene	170[a]	500[a]	140[a]		90[a]	170[a]	89[a]	120[a]	100[a]	53[a]	130[a]	59[a]	65[a]	32[a]	<100[c]	5
1,1,1-Trichloroethane	270[a]	110[a]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	20[a]	27[a]	5.2[a]	<15[c]	<20[c]	5
1,1,2-Trichloroethane	6.4[a]	<100[c]	<40[c]		<30[c]	<50[c]	<50[c]	<50[c]	<10[c]	<10[c]	<1	<5[c]	<5[c]	<15[c]	<30	1
Trichloroethene (TCE)	530[a]	160[a]	<40[c]		<30[c]	<50[c]	<50[c]	<5	<10[c]	<10[c]	1.6	<5	<5	<15[c]	<20[c]	5
Trichlorofluoromethane	<50[c]	<100[c]	<40[c]		<30[c]	73[a]	<100[c]	<50[c]	<10[c]	<10[c]	<1	<5	<5	<15[c]	<80[c]	5
1,2,4-Trimethylbenzene	190[a]	250[a]	220[a]		200[a]	220[a]	230[a]	230[a]	200[a]	160[a]	210[a]	200[a]	170[a]	150[a]	150[a]	5
1,3,5-Trimethylbenzene	81[a]	110[a]	<40[c]		77[a]	85[a]	94[a]	86[a]	85[a]	74[a]	96[a]	88[a]	67[a]	36[a]	<80[c]	5
Vinyl acetate	NA	NA	NA		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<200	NE
Vinyl chloride	460[a]	350[a]	120[a]		73[a]	200[a]	<80[c]	68[a]	76[a]	<10[c]	480[a]	860[a]	130[a]	110[a]	160[a]	2
Total Xylenes	640[a]	920[a]	330[a]		280[a]	374[a]	376[a]	327[a]	380[a]	350[a]	520[a]	620[a]	369[a]	325[a]	331[a]	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NA: Not analyzed
NE: No allowable limit is established for the substance
<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)

Sample Results

a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date	MW-2R														NYSDEC Groundwater Standard
Analyte	7/14/04	7/29/04	9/16/04	1/19/05	4/27/05	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	9/29/08	6 NYCRR Part 703
Volatiles by 8260B (ug/L)															
Acetone	<60	<60	<60	<80	<40	Not Sampled	Not Sampled	Not Sampled	<5	Not Sampled	Not Sampled	<10	Not Sampled	33	NE
Acrylonitrile	<75[c]	<75[c]	<75[c]	<100[c]	<50[c]				<1			<10[c]		<10[c]	5
Benzene	**190[a]**	**170[a]**	**140[a]**	**130[a]**	**120[a]**				**110[a]**			**110[a]**		**74[a]**	1
Bromobenzene	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<3	5
Bromochloromethane	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<1	5
Bromodichloromethane	<15	<15	<15	<20	<10				<1			<2		<3	NE
Bromoform	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<4	5
Bromomethane	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<2	5
2-Butanone (MEK)	<30	<30	<30	<40	<20				<5			<10		<10	NE
n-Butylbenzene	**22[a]**	<15[c]	<15[c]	<20[c]	<10[c]				**1.7**			<2		2.5	5
sec-Butylbenzene	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				**1.6**			<2		2	5
tert-Butylbenzene	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				**1.3**			<2		<5	5
Carbon disulfide	<15	<15	<15	<20	<10				<1			<10		<10	NE
Carbon tetrachloride	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<1	5
Chlorobenzene	<15[c]	**18[a]**	**39[a]**	**16[a]**					**16[a]**			**19[a]**		**40[a]**	5
Chloroethane	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			**18[a]**		2.2	5
Chloroform	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<1.5	7
Chloromethane	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<5	5
2-Chlorotoluene	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				**1.2**			<2		<5	5
4-Chlorotoluene	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<5	5
1,2-Dibromo-3-chloropropane (DBCP)	<15[c]	<15[c]	<15[c]	<8[c]	<10[c]				<1[c]			<2[c]		<5[c]	0.04
Dibromodifluoromethane	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<1	5
1,2-Dibromoethane (EDB)	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1[c]			<2[c]		<1[c]	0.0006
Dibromomethane	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<10[c]	5
1,2-Dichlorobenzene	**30[a]**	**18[a]**	**23[a]**	**22[a]**	**12[a]**				**6.7[a]**			**3**		**6.3[a]**	3
1,3-Dichlorobenzene	**26[a]**	**17[a]**	**23[a]**	**26[a]**	**18[a]**				**15[a]**			**5.5[a]**		**10[a]**	3
1,4-Dichlorobenzene	**280[a]**	**180[a]**	**290[a]**	**210[a]**	**160[a]**				**84[a]**			**21[a]**		**49[a]**	3
Dichlorodifluoromethane	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<10[c]	5
1,1-Dichloroethane	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<1.5	5
1,2-Dichloroethane	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1[c]			<2[c]		**2.1[a]**	0.6
1,1-Dichloroethene	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<1	5
cis-1,2-Dichloroethene	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<1	5
trans-1,2-Dichloroethene	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<1.5	5
1,2-Dichloropropane	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2[c]		<3.5[c]	1
1,3-Dichloropropane	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<5	5
2,2-Dichloropropane	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<5	5
1,1-Dichloropropene	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<5	5
cis-1,3-Dichloropropene	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1[c]			<2[c]		<1[c]	0.4
trans-1,3-Dichloropropene	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1[c]			<2[c]		<1[c]	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA				NA			NA		<4	NE
Ethylbenzene	**380[a]**	**220[a]**	**250[a]**	**160[a]**	**91[a]**				**25[a]**			**14[a]**		**52[a]**	5
4-Ethyltoluene	NA	NA	NA	NA	NA				NA			NA		8.6	NE
Hexachlorobutadiene	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1[c]			<2[c]		<1.2[c]	0.5
2-Hexanone	<30	<30	<30	<40	<20				<5			<10		<10	NE
Isopropylbenzene	**22[a]**	**21[a]**	**15[a]**	<20[c]	<10[c]				3.4			<2		**5.3[a]**	5
4-Isopropyltoluene	**9.4[a]**	**59[a]**	**47[a]**	**63[a]**	**36[a]**				**8.2[a]**			**3.8**		**8.2[a]**	5
Methyl tert-butyl ether (MTBE)	<15	<15	<15	<20	<10				**3.8**			**3.1**		2	NE
4-Methyl-2-pentanone (MIBK)	<30	<30	<30	<40	<20				<5			<10		<10	NE
Methylene chloride	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<10[c]	5
Naphthalene	**230[a]**	**84[a]**	**170[a]**	**140[a]**	**61[a]**				**8.6**			**3**		<3	10
n-Propylbenzene	**66[a]**	<2[c]	**30**	**30[a]**	**17[a]**				**5.2[a]**			3.6		**8.2[a]**	5
Styrene	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<2	5
1,2,3-Trichloropropane	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<10[c]	5
1,1,1,2-Tetrachloroethane	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<1	5
1,1,2,2-Tetrachloroethane	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<1	5
Tetrachloroethene (PCE)	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<1	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA				NA			NA		4.6	NE
Toluene	**25[a]**	**16[a]**	**18[a]**	<20[c]	<10[c]				2.4			**42[a]**		**10[a]**	5
1,2,3-Trichlorobenzene	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<5	5
1,2,4-Trichlorobenzene	<15[c]	<15[c]	**19[a]**	<20[c]	<10[c]				**4.2**			<2		<5	5
1,1,1-Trichloroethane	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<1	5
1,1,2-Trichloroethane	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2[c]		<1.5[c]	1
Trichloroethene (TCE)	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<1	5
Trichlorofluoromethane	<15[c]	<15[c]	<15[c]	<20[c]	<10[c]				<1			<2		<5	5
1,2,4-Trimethylbenzene	**450[a]**	**320[a]**	**390[a]**	**430[a]**	**210[a]**				**58[a]**			**25[a]**		**64[a]**	5
1,3,5-Trimethylbenzene	<15[c]	**78[a]**	**100[a]**	**87[a]**	**38[a]**				2.5			2.9		<5	5
Vinyl acetate	NA	NA	NA	NA	NA				NA			NA		<10	NE
Vinyl chloride	<6[c]	<6[c]	<6[c]	<20[c]	<10[c]				<0.5			<2		<2	2
Total Xylenes	**530[a]**	**323[a]**	**599[a]**	**366[a]**	**195[a]**				**17.7[a]**			**12[a]**		**18[a]**	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method

NA - Not analyzed
NE - No allowable limit is established for the substance
<x - Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
Sample Results
a - Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c - Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date / Analyte	MW-2BD												NYSDEC Groundwater Standard
	9/16/04	1/19/05	4/27/05	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	9/29/08	6 NYCRR Part 703
Volatiles by 8260B (ug/L):													
Acetone	<20	<20	<20	Not	Not	Not	<5	Not	Not	<5	Not	<5	NE
Acrylonitrile	<25[c]	<25[c]	<25[c]	Sampled	Sampled	Sampled	<1	Sampled	Sampled	<5	Sampled	<5	5
Benzene	1.4[a]	<5	<5				<1			<1		<0.5	1
Bromobenzene	<5	<5	<5				<1			<1		<2.5	5
Bromochloromethane	<5	<5	<5				<1			<1		<0.5	5
Bromodichloromethane	<5	<5	<5				<1			<1		<2.5	NE
Bromoform	<5	<5	<5				<1			<1		<2	5
Bromomethane	<5	<5	<5				<1			<1		<1	5
2-Butanone (MEK)	<10	<10	<10				<5			<5		<5	NE
n-Butylbenzene	<5	<5	<5				<1			<1		<0.5	5
sec-Butylbenzene	<5	<5	<5				<1			<1		<0.5	5
tert-Butylbenzene	<5	<5	<5				<1			<1		<2.5	5
Carbon disulfide	<5	<5	<5				<1			<5		<5	NE
Carbon tetrachloride	<5	<5	<5				<1			<1		<0.5	5
Chlorobenzene	<5	<5	<5				<1			<1		<0.5	5
Chloroethane	<5	<5	<5				<1			<1		<1	5
Chloroform	<5	<5	<5				<1			<1		<0.75[c]	7
Chloromethane	<5	<5	<5				<1			<1		<2.5	5
2-Chlorotoluene	<5	<5	<5				<1			<1		<2.5	5
4-Chlorotoluene	<5	<5	<5				<1			<1		<2.5	5
1,2-Dibromo-3-chloropropane (DBCP)	<5[c]	<2[c]	<5[c]				<1[c]			<1[c]		<2.5[c]	0.04
Dibromochloromethane	<5	<5	<5				<1			<1		<0.5	5
1,2-Dibromoethane (EDB)	<5[c]	<5[c]	<5[c]				<1[c]			<1[c]		<2[c]	0.0006
Dibromomethane	<5	<5	<5				<1			<1		<5	5
1,2-Dichlorobenzene	<5	<5	<5				<1			<1		<2.5	5
1,3-Dichlorobenzene	<5	<5	<5				<1			<1		<2.5	5
1,4-Dichlorobenzene	<5	<5	<5				<1			<1		<2.5	5
Dichlorodifluoromethane	<5	<5	<5				<1			<1		<5	5
1,1-Dichloroethane	6.1[a]	<5	<5				<1			<1		<0.75	5
1,2-Dichloroethane	<5[c]	<5[c]	<5[c]				<1[c]			<1[c]		<0.5	0.6
1,1-Dichloroethene	<5	<5	<5				<1			<1		<0.5	5
cis-1,2-Dichloroethene	8.3[a]	<5	<5				1.6			1.4		1	5
trans-1,2-Dichloroethene	<5	<5	<5				<1			<1		<0.75	5
1,2-Dichloropropane	<5[c]	<5[c]	<5[c]				<1			<1		<1.8[c]	1
1,3-Dichloropropane	<5	<5	<5				<1			<1		<2.5	5
2,2-Dichloropropane	<5	<5	<5				<1			<1		<2.5	5
1,1-Dichloropropene	<5	<5	<5				<1			<1		<2.5	5
cis-1,3-Dichloropropene	<5[c]	<5[c]	<5[c]				<1[c]			<1[c]		<0.5[c]	0.4
trans-1,3-Dichloropropene	<5[c]	<5[c]	<5[c]				<1[c]			<1[c]		<0.5[c]	0.4
1,4-Diethylbenzene	NA	NA	NA				NA			NA		<2	NE
Ethylbenzene	<5	<5	<5				<1			<1		<0.5	5
4-Ethyltoluene	NA	NA	NA				NA			NA		<2	NE
Hexachlorobutadiene	<5[c]	<5[c]	<5[c]				<1[c]			<1[c]		<0.6[c]	0.5
2-Hexanone	<10	<10	<10				<5			<5		<5	NE
Isopropylbenzene	<5	<5	<5				<1			<1		<0.5	5
4-Isopropyltoluene	<5	<5	<5				<1			<1		<0.5	5
Methyl tert-butyl ether (MTBE)	<5	<5	<5				<1			<1		<1	NE
4-Methyl-2-pentanone (MIBK)	<10	<10	<10				<5			<5		<5	NE
Methylene chloride	<5	<5	<5				<1			<1		<5	5
Naphthalene	<5	<5	<5				<1			<1		<2.5	10
n-Propylbenzene	<5	<5	<5				<1			<1		<0.5	5
Styrene	<5	<5	<5				<1			<1		<1	5
1,2,3-Trichloropropane	<5	<5	<5				<1			<1		<5	5
1,1,1,2-Tetrachloroethane	<5	<5	<5				<1			<1		<0.5	5
1,1,2,2-Tetrachloroethane	<5	<5	<5				<1			<1		<0.5	5
Tetrachloroethene (PCE)	<5	<5	<5				4.3			3.1		<1	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA				NA			NA		<2	NE
Toluene	<5	<5	<5				<1			<1		<0.75	5
1,2,3-Trichlorobenzene	<5	<5	<5				<1			<1		<2.5	5
1,2,4-Trichlorobenzene	<5	<5	<5				<1			<1		<2.5	5
1,1,1-Trichloroethane	<5	<5	<5				<1			<1		<0.5	5
1,1,2-Trichloroethane	<5[c]	<5[c]	<5[c]				<1			<1		<0.75	1
Trichloroethene (TCE)	<5	<5	<5				1.4			1.6		0.89	5
Trichlorofluoromethane	<5	<5	<5				<1			<1		<2.5	5
1,2,4-Trimethylbenzene	<5	<5	<5				<1			<1		<2.5	5
1,3,5-Trimethylbenzene	<5	<5	<5				<1			<1		<2.5	5
Vinyl acetate	NA	NA	NA				NA			NA		<5	NE
Vinyl chloride	<2	<5[c]	<5[c]				<0.5			<1		<1	2
Total Xylenes	<5	<5	<5				<1			<1		<1	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NA: Not analyzed

NE: No allowable limit is established for the substance

<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)

Sample Results:

a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date	MW-29S															NYSDEC Groundwater Standard
Analyte	7/14/04	7/29/04	9/16/04	1/19/05	4/27/05	4/27/05 (Dup)	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	8/14/07	10/18/07	9/29/08	6 NYCRR Part 703
Volatiles by 8260B (ug/L):																
Acetone	<20	<20	<20	<20	<20	<20	Not Sampled	Not Sampled	Not Sampled	<5	Not Sampled	Not Sampled	11	Not Sampled	<5	NE
Acrylonitrile	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]	<25[c]				<1			<5		<5	5
Benzene	32[a]	28[a]	24[a]	18[a]	17[a]	18[a]				8.3[a]			6.6[a]		2.9[a]	1
Bromobenzene	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
Bromochloromethane	<5	<5	<5	<5	<5	<5				<1			<1		<0.5	5
Bromodichloromethane	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	NE
Bromoform	<5	<5	<5	<5	<5	<5				<1			<1		<2	5
Bromomethane	<5	<5	<5	<5	<5	<5				<1			<1		<1	5
2-Butanone (MEK)	<10	<10	<10	<10	<10	<10				<5			<5		<5	NE
n-Butylbenzene		<5	<5	<5	<5	<5				1.2			<1		<0.5	5
sec-Butylbenzene	<5	<5	<5	<5	<5	<5				<1			<1		<0.5	5
tert-Butylbenzene	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
Carbon disulfide	<5	<5	<5	<5	<5	<5				<1			<5		<5	NE
Carbon tetrachloride	<5	<5	<5	<5	<5	<5				<1			<1		<0.5	5
Chlorobenzene	<5	<5	<5	<5	<5	<5				<1			<1		<0.5	5
Chloroethane	86[a]	120[a]	100[a]	69[a]	190[a]	200[a]				<1			79[a]		52	5
Chloroform	<5	<5	<5	<5	<5	<5				<1			<1		<0.75	7
Chloromethane	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
2-Chlorotoluene	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
4-Chlorotoluene	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
1,2-Dibromo-3-chloropropane (DBCP)	<5[c]	<5[c]	<5[c]	<2[c]	<5[c]	<5[c]				<1[c]			<1[c]		<2.5	0.04
Dibromochloromethane	<5	<5	<5	<5	<5	<5				<1			<1		<0.5	5
1,2-Dibromoethane (EDB)	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1[c]			<1[c]		<2	0.0006
Dibromomethane	<5	<5	<5	<5	<5	<5				<1			<1		<5	5
1,2-Dichlorobenzene	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	3
1,3-Dichlorobenzene	5.3[a]	<5	<5	<5	<5	<5				<1			<1		<2.5	5
1,4-Dichlorobenzene	8.4[a]	<5	<5	<5	9.6[a]	9.7[a]				2.2			<1		<2.5	3
Dichlorodifluoromethane	<5	<5	<5	<5	<5	<5				<1			<1		<5	5
1,1-Dichloroethane	8.6[a]	<5	<5	<5	<5	<5				<1			<1		<0.75	5
1,2-Dichloroethane	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1[c]			<1[c]		<0.5	0.6
1,1-Dichloroethene	<5	<5	<5	<5	<5	<5				<1			<1		<0.5	5
cis-1,2-Dichloroethene	130[a]	81[a]	36[a]	<5	18[a]	19[a]				<1			<1		0.68	5
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5				<1			<1		<0.75	5
1,2-Dichloropropane	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1			<1		<1.8	1
1,3-Dichloropropane	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
2,2-Dichloropropane	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
1,1-Dichloropropene	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
cis-1,3-Dichloropropene	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1[c]			<1[c]		<0.5	0.4
trans-1,3-Dichloropropene	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1[c]			<1[c]		<0.5	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA	NA				NA			NA		<2	NE
Ethylbenzene	11[a]	<5	<5	<5	<5	<5				<1			<1		<0.5	5
4-Ethyltoluene	NA	NA	NA	NA	NA	NA				NA			NA		<2	NE
Hexachlorobutadiene	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1[c]			<1[c]		<0.6	0.5
2-Hexanone	<10	<10	<10	<10	<10	<10				<5			<5		<5	NE
Isopropylbenzene	6.3[a]	<5	<5	<5	<5	<5				<1			<1		<0.5	5
4-Isopropyltoluene	12[a]	7.5[a]	<5	<5	<5	<5				1.7			<1		<0.5	5
Methyl tert-butyl ether (MTBE)	7	8.3	7.6	7.4	8.3	8.2				6.3			10		5.4	NE
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	<10	<10				<5			<5		<5	NE
Methylene chloride	<5	<5	<5	<5	<5	<5				<1			<1		<5	5
Naphthalene	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	10
n-Propylbenzene	14[a]	5.9[a]	<5	<5	5.8[a]	5.4[a]				1.3			<1		<0.5	5
Styrene	<5	<5	<5	<5	<5	<5				<1			<1		<1	5
1,2,3-Trichloropropane	<5	<5	<5	<5	<5	<5				<1			<1		<5	5
1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5				<1			<1		<0.5	5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5				<1			<1		<0.5	5
Tetrachloroethene (PCE)	12[a]	25[a]	12[a]	<5	<5	<5				<1			<1		<0.5	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA				NA			NA		<2	NE
Toluene	7.4[a]	<5	<5	<5	<5	<5				<1			<1		<0.75	5
1,2,3-Trichlorobenzene	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
1,2,4-Trichlorobenzene	22[a]	10[a]	9.5[a]	<5	5.9[a]	6[a]				<1			<1		<2.5	5
1,1,1-Trichloroethane	<5	<5	<5	<5	<5	<5				<1			<1		<0.5	5
1,1,2-Trichloroethane	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]	<5[c]				<1			<1		<0.75	1
Trichloroethene (TCE)	8.2[a]	13[a]	<5	<5	<5	<5				<1			<1		<0.5	5
Trichlorofluoromethane	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	5
1,2,4-Trimethylbenzene	86[a]	37[a]	28[a]	6[a]	36[a]	34[a]				7.8[a]			<1		<2.5	5
1,3,5-Trimethylbenzene	6.3[a]	<5	13[a]	<5	16[a]	15[a]				2.6			<1		<2.5	5
Vinyl acetate	NA	NA	NA	NA	NA	NA				NA			NA		<5	NE
Vinyl chloride	140[a]	74[a]	35[a]	<5[c]	40[a]	42[a]				0.78			<1		<1	2
Total Xylenes	37[a]	6.4[a]	<5	<5	15.4[a]	15.3[a]				<1			<1		<1	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NA: Not analyzed
NE: No allowable limit is established for the substance
<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
Sample Results:
a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date / Analyte	MW-29D												NYSDEC Groundwater Standard 6 NYCRR Part 703
	9/16/04	1/19/05	4/27/05	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	9/29/08	
Volatiles by 8260B (ug/L):													
Acetone	<20	<20	<20	Not Sampled	Not Sampled	Not Sampled	<5	Not Sampled	Not Sampled	<5	Not Sampled	<5.0	NE
Acrylonitrile	<2.5[c]	<2.5[c]	<25[c]				<1			<5		<5.0	5
Benzene	<5[c]	<5[c]	<5[c]				**2.3[a]**			**2.4[a]**		<0.50	1
Bromobenzene	<5	<5	<5				<1			<1		<2.5	5
Bromochloromethane	<5	<5	<5				<1			<1		<2.5	5
Bromodichloromethane	<5	<5	<5				<1			<1		<0.50	NE
Bromoform	<5	<5	<5				<1			<1		<2.0	5
Bromomethane	<5	<5	<5				<1			<1		<1.0	5
2-Butanone (MEK)	<10	<10	<10				<5			<5		<5.0	NE
n-Butylbenzene	<5	<5	<5				<1			<1		<0.50	5
sec-Butylbenzene	<5	<5	<5				<1			<1		<0.50	5
tert-Butylbenzene	<5	<5	<5				<1			<1		<2.5	5
Carbon disulfide	<5	<5	<5				<1			<5		<5.0	NE
Carbon tetrachloride	<5	<5	<5				<1			<1		<0.50	5
Chlorobenzene	<5	<5	<5				<1			<1		<0.50	5
Chloroethane	<5	<5	<5				<1			<1		<1.0	5
Chloroform	<5	<5	<5				<1			<1		<0.75	7
Chloromethane	<5	<5	<5				<1			<1		<2.5	5
2-Chlorotoluene	<5	<5	<5				<1			<1		<2.5	5
4-Chlorotoluene	<5	<5	<5				<1			<1		<2.5	5
1,2-Dibromo-3-chloropropane (DBCP)	<5[c]	<2[c]	<5[c]				<1[a]			<1[a]		<2.5[c]	0.04
Dibromochloromethane	<5	<5	<5				<1			<1		<0.50	5
1,2-Dibromoethane (EDB)	<5[c]	<5[c]	<5[c]				<1[a]			<1[a]		<2.0[c]	0.0006
Dibromomethane	<5	<5	<5				<1			<1		<5.0	5
1,2-Dichlorobenzene	<5	<5	<5				<1			<1		<2.5	5
1,3-Dichlorobenzene	<5	<5	<5				<1			<1		<2.5	5
1,4-Dichlorobenzene	<5	<5	<5				<1			<1		<2.5	5
Dichlorodifluoromethane	<5	<5	<5				<1			<1		<5.0	5
1,1-Dichloroethane	**9.5[a]**	<5	<5				4.1			**5.6[a]**		3.4	5
1,2-Dichloroethane	<5[c]	<5[c]	<5[c]				<1[a]			<1[a]		<0.50	0.6
1,1-Dichloroethene	<5	<5	<5				<1			<1		<0.50	5
cis-1,2-Dichloroethene	**150[a]**	**55[a]**	**54[a]**				**11[a]**			**21[a]**		**13[a]**	5
trans-1,2-Dichloroethene	<5	<5	<5				<1			<1		<3.0	5
1,2-Dichloropropane	<5[c]	<5[c]	<5[c]				<1			<1		<1.8[c]	1
1,3-Dichloropropane	<5	<5	<5				<1			<1		<2.5	5
2,2-Dichloropropane	<5	<5	<5				<1			<1		<2.5	5
1,1-Dichloropropane	<5	<5	<5				<1			<1		<2.5	5
cis-1,3-Dichloropropene	<5[c]	<5[c]	<5[c]				<1[a]			<1[a]		<0.50[c]	0.4
trans-1,3-Dichloropropene	<5[c]	<5[c]	<5[c]				<1[a]			<1[a]		<0.50[c]	0.4
1,4-Diethylbenzene	NA	NA	NA				NA			NA		<2.0	NE
Ethylbenzene	<5	<5	<5				<1			<1		<0.50	5
4-Ethyltoluene	NA	NA	NA				NA			NA		<2.0	NE
Hexachlorobutadiene	<5[c]	<5[c]	<5[c]				<1[a]			<1[a]		<0.60[c]	0.5
2-Hexanone	<10	<10	<10				<5			<5		<5.0	NE
Isopropylbenzene	<5	<5	<5				<1			<1		<0.50	5
4-Isopropyltoluene	<5	<5	<5				<1			<1		<0.50	5
Methyl tert-butyl ether (MTBE)	<5	<5	<5				<1			<1		<4.0	NE
4-Methyl-2-pentanone (MIBK)	<10	<10	<10				<5			<5		<5.0	NE
Methylene chloride	<5	<5	<5				<1			<1		<5.0	5
Naphthalene	<5	<5	<5				<1			<1		<2.5	10
n-Propylbenzene	<5	<5	<5				<1			<1		<0.50	5
Styrene	<5	<5	<5				<1			<1		<1.0	5
1,2,3-Trichloropropane	<5	<5	<5				<1			<1		<5.0	5
1,1,1,2-Tetrachloroethane	<5	<5	<5				<1			<1		<0.50	5
1,1,2,2-Tetrachloroethane	<5	<5	<5				<1			<1		<0.50	5
Tetrachloroethene (PCE)	**7.6[a]**	<5	<5				<1			<1		<2.0	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA				NA			NA		<2.0	NE
Toluene	<5	<5	<5				<1			<1		<0.75	5
1,2,3-Trichlorobenzene	<5	<5	<5				<1			<1		<2.5	5
1,2,4-Trichlorobenzene	**5.1[a]**	<5	<5				<1			<1		<2.5	5
1,1,1-Trichloroethane	<5	<5	<5				<1			<1		<0.50	5
1,1,2-Trichloroethane	<5[c]	<5[c]	<5[c]				<1			<1		<0.75	1
Trichloroethane (TCE)	**11[a]**	<5	<5				1.4			1.8		<2.0	5
Trichlorofluoromethane	<5	<5	<5				<1			<1		<2.5	5
1,2,4-Trimethylbenzene	**13[a]**	<5	<5				<1			<1		<2.5	5
1,3,5-Trimethylbenzene	**5.8[a]**	<5	<5				<1			<1		<2.5	5
Vinyl acetate	NA	NA	NA				NA			NA		<5.0	NE
Vinyl chloride	**68[a]**	**36[a]**	**94[a]**				**35[a]**			**100[a]**		**120[a]**	2
Total Xylenes	<5	<5	<5				<1			<1		<1.0	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NA: Not analyzed

NE: No allowable limit is established for the substance

<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)

Sample Results:

a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date / Analyte	MW-30												NYSDEC Groundwater Standard 6 NYCRR Part 703
	9/16/04	1/19/05	4/27/05	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	9/29/08	
Volatiles by 8260B (ug/L):													
Acetone	66	<20	<200	Not Sampled	Not Sampled	Not Sampled	<5	Not Sampled	Not Sampled	Not Sampled	Not Sampled	<5	NE
Acrylonitrile	<25[c]	<25[c]	<250[c]				<1					<5	5
Benzene	16[a]	5.4[a]	<50[c]				2[a]					<0.5	1
Bromobenzene	<5	<5	<50[c]				<1					<2.5	5
Bromochloromethane	<5	<5	<50[c]				<1					<0.5	5
Bromodichloromethane	<5	<5	<50				<1					<2.5	NE
Bromoform	<5	<5	<50[c]				<1					2	5
Bromomethane	<5	<5	<50[c]				<1					<1	5
2-Butanone (MEK)	<10	<10	<100				<5					<5	NE
n-Butylbenzene	<5	<5	<50[c]				<1					<0.5	5
sec-Butylbenzene	<5	<5	<50[c]				<1					<0.5	5
tert-Butylbenzene	<5	<5	<50[c]				<1					<2.5	5
Carbon disulfide	<5	<5	<50				<1					<5	NE
Carbon tetrachloride	<5	<5	<50[c]				<1					<0.5	5
Chlorobenzene	12[a]	<5	<50[c]				1.8					<0.5	5
Chloroethane	<5	<5	<50[c]				<1					<1	5
Chloroform	<5	<5	<50[c]				<1					1.4	7
Chloromethane	<5	<5	<50[c]				<1					<2.5	5
2-Chlorotoluene	<5	<5	<50[c]				<1					<2.5	5
4-Chlorotoluene	<5	<5	<50[c]				<1					<2.5	5
1,2-Dibromo-3-chloropropane (DBCP)	<5[c]	<2[c]	<50[c]				<1[c]					<2.5[c]	0.04
Dibromochloromethane	<5	<5	<50[c]				<1					<0.5	5
1,2-Dibromoethane (EDB)	<5[c]	<5[c]	<50[c]				<1[c]					<2	0.0006
Dibromomethane	<5	<5	<50[c]				<1					<5	5
1,2-Dichlorobenzene	<5	<5	<50[c]				<1					<2.5	5
1,3-Dichlorobenzene	<5	<5	<50[c]				<1					<2.5	5
1,4-Dichlorobenzene	7.7[a]	<5	<50[c]				1.4					<2.5	5
Dichlorodifluoromethane	<5	<5	<50[c]				<1					<5	5
1,1-Dichloroethane	13[a]	<5	<50[c]				0.7[a]					1.6	5
1,2-Dichloroethane	<5[c]	<5[c]	<50[c]				<1[c]					<0.5	0.6
1,1-Dichloroethene	<5	<5	<50[c]				<1					<0.5	5
cis-1,2-Dichloroethene	9.4[a]	6.6[a]	1100[a]				56[a]					22[a]	5
trans-1,2-Dichloroethene	<5	<5	<50[c]				2					<0.75	5
1,2-Dichloropropane	<5[c]	<5[c]	<50[c]				<1					<1.5[c]	1
1,3-Dichloropropane	<5	<5	<50[c]				<1					<2.5	5
2,2-Dichloropropane	<5	<5	<50[c]				<1					<2.5	5
1,1-Dichloropropene	<5	<5	<50[c]				<1					<2.5	5
cis-1,3-Dichloropropene	<5[c]	<5[c]	<50[c]				<1[c]					<0.5[c]	0.4
trans-1,3-Dichloropropene	<5[c]	<5[c]	<50[c]				<1[c]					<0.5[c]	0.4
1,4-Diethylbenzene	NA	NA	NA				NA					<2	NE
Ethylbenzene	<5	<5	<50[c]				<1					<0.5	5
4-Ethyltoluene	NA	NA	NA				NA					<2	NE
Hexachlorobutadiene	<5[c]	<5[c]	<50[c]				<1[c]					0.6	0.5
2-Hexanone	<10	<10	<100				<5					<5	NE
Isopropylbenzene	<5	<5	<50[c]				<1					<0.5	5
4-Isopropyltoluene	<5	<5	<50[c]				<1					<0.5	5
Methyl tert-butyl ether (MTBE)	21	7.9	69				28					<1	NE
4-Methyl-2-pentanone (MIBK)	<10	<10	<100				<5					<5	NE
Methylene chloride	<5	<5	<50[c]				<1					<5	5
Naphthalene	<5	<5	<50[c]				3.9					<2.5	10
n-Propylbenzene	<5	<5	<50[c]				<1					<0.5	5
Styrene	<5	<5	<50[c]				<1					<1	5
1,2,3-Trichloropropane	<5	<5	<50[c]				<1					<5	5
1,1,1,2-Tetrachloroethane	<5	<5	<50[c]				<1					<0.5	5
1,1,2,2-Tetrachloroethane	<5	<5	<50[c]				<1					<0.5	5
Tetrachloroethene (PCE)	5.2[a]	<5	160[a]				17[a]					4.8	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA				NA					<2	NE
Toluene	<5	<5	<50[c]				<1					<0.75	5
1,2,3-Trichlorobenzene	<5	<5	<50[c]				<1					<2.5	5
1,2,4-Trichlorobenzene	<5	<5	<50[c]				<1					<2.5	5
1,1,1-Trichloroethane	<5	<5	<50[c]				<1					<0.5	5
1,1,2-Trichloroethane	<5[c]	<5[c]	<50[c]				<1					<0.75	1
Trichloroethene (TCE)	6.8[a]	<5	100[a]				10[a]					5.3[a]	5
Trichlorofluoromethane	<5	<5	<50[c]				<1					<2.5	5
1,2,4-Trimethylbenzene	<5	<5	<50[c]				<5					<2.5	5
1,3,5-Trimethylbenzene	<5	<5	<50[c]				1.9					<2.5	5
Vinyl acetate	NA	NA	NA				NA					<5	NE
Vinyl chloride	42[a]	<5[c]	130[a]				8.5[a]					<1	2
Total Xylenes	<5	<5	<50[c]				<1					<1	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method

NA Not analyzed
NE No allowable limit is established for the substance
<x Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
Sample Results:
a. Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c. Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date	MW-31													NYSDEC Groundwater Standard
Analyte	9/16/04	1/19/05	4/27/05	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	4/18/08	9/29/08	6 NYCRR Part 703
Volatiles by 8260B (ug/L):														
Acetone	<80000	<60000	<60000	<40000	<40000	<50000	<15000	<15000	<5	11000	<15000	<40000	<20000	NE
Acrylonitrile	<100000[c]	<75000[c]	<75000[c]	<50000[c]	<50000[c]	<62000[c]	<3000[c]	<3000[c]	<5	<7500[c]	<750[c]	<2000[c]	<20000[c]	5
Benzene	<20000[c]	<15000[c]	<15000[c]	<10000[a]	<10000[c]	<12000[c]	10000[a]	<3000[c]	13000[a]	13000[a]	11000[a]	11000[a]	8000[a]	1
Bromobenzene	<20000[c]	<15000[c]	<15000[c]	<10000[c]	<10000[c]	<12000[c]	<3000[c]	<3000[c]	57[a]	<1500[a]	<1500[a]	<4000[a]	<10000[a]	5
Bromochloromethane	<20000[a]	<15000[a]	<15000[a]	<10000[a]	<10000[a]	<12000[a]	<3000[a]	<3000[a]	<1	<1500[a]	<1500[a]	<4000[a]	<2000[a]	5
Bromodichloromethane	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	<1	<1500	<1500	<4000	<10000	NE
Bromoform	<20000[a]	<15000[a]	<15000[a]	<10000[a]	<10000[a]	<12000	<3000	<3000	<1	<1500	<1500	<4000[a]	<8000[c]	5
Bromomethane	<20000[c]	<15000[c]	<15000[c]	<10000[a]	<20000[c]	<12000[c]	<3000[c]	<3000[a]	<1	<1500[a]	<1500[c]	<4000[c]	<4000[a]	5
2-Butanone (MEK)	<40000	<30000	<30000	<20000	<20000	<25000	<15000	<15000	<5	<7500	<7500	<20000	<20000	NE
n-Butylbenzene	<20000[a]	<15000[a]	<15000[a]	<10000[c]	<10000[c]	<12000[a]	<3000[c]	<3000[c]	<1	<1500[a]	<1500[c]	<4000[c]	<2000[a]	5
sec-Butylbenzene	<20000[a]	<15000[a]	<15000[a]	<10000[a]	<10000[a]	<12000[c]	<3000[c]	<3000[a]	<1	<1500[a]	<1500[a]	<4000[c]	<2000[c]	5
tert-Butylbenzene	<20000[a]	<15000[a]	<15000[a]	<10000[a]	<10000[a]	<12000[c]	<3000[c]	<3000[c]	<1	<1500[a]	<1500[a]	<4000[a]	<10000[a]	5
Carbon disulfide	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	<5	<7500	<1500	<4000	<20000	NE
Carbon tetrachloride	<20000[c]	<15000[c]	<15000[c]	<10000[a]	<10000[c]	<12000[c]	<3000[c]	<3000[c]	<1	<1500[c]	<1500[a]	<4000[a]	<2000[a]	5
Chlorobenzene	<20000[c]	<15000[c]	<15000[c]	<10000[c]	<10000[a]	<12000[a]	<3000[c]	<3000[a]	57[a]	<1500[a]	<1500[a]	<4000[a]	<2000[a]	5
Chloroethane	<20000[c]	<15000[c]	<15000[a]	<10000[a]	<20000[c]	<12000[a]	<3000[c]	<3000[a]	<1	<1500[a]	<1500[c]	<4000[a]	<4000[a]	5
Chloroform	<20000[c]	<15000[a]	<15000[a]	<10000[a]	<10000[a]	<12000[a]	9900[a]	7800[a]	<1	13000[a]	10000[a]	9400[a]	5000[a]	7
Chloromethane	<20000[c]	<15000[a]	<15000[a]	<10000[a]	<20000[a]	<12000[a]	<3000[c]	<3000[a]	<1	<1500[a]	<1500[a]	<4000[a]	<10000[a]	5
2-Chlorotoluene	<20000[a]	<15000[a]	<15000[a]	<10000[a]	<10000[a]	<12000[a]	<3000[c]	<3000[a]	<1	<1500[a]	<1500[a]	<4000[a]	<10000[a]	5
4-Chlorotoluene	<20000[c]	<15000[c]	<15000[c]	<10000[c]	<10000[c]	<12000[c]	<3000[c]	<3000[a]	<1	<1500[a]	<1500[a]	<4000[c]	<10000[a]	5
1,2-Dibromo-3-chloropropane (DBCP)	<20000[a]	<6000[a]	<15000[a]	<10000[c]	<10000[c]	<12000[a]	<3000[c]	<3000[a]	<1[a]	<1500[a]	<750[a]	<2000[c]	<10000[a]	0.04
Dibromochloromethane	<20000[c]	<15000[c]	<15000[c]	<10000[c]	<10000[c]	<12000[a]	<3000[c]	<3000[c]	<1	<1500[a]	<750[a]	<2000[a]	<2000[a]	5
1,2-Dibromoethane (EDB)	<20000[c]	<15000[a]	<15000[c]	<10000[a]	<10000[a]	<12000[a]	<3000[c]	<3000[c]	<1[a]	<1500[a]	<750[a]	<2000[a]	<8000[a]	0.0006
Dibromomethane	<20000[a]	<15000[a]	<15000[a]	<10000[a]	<10000[a]	<12000[c]	<3000[c]	<3000[a]	<1	<1500[c]	<1500[a]	<4000[c]	<20000[a]	5
1,2-Dichlorobenzene	<20000[c]	<15000[c]	<15000[c]	<10000[a]	<10000[c]	<12000[c]	<3000[c]	<3000[c]	35[a]	<1500[a]	<1500[a]	<4000[a]	<10000[a]	5
1,3-Dichlorobenzene	<20000[a]	<15000[a]	<15000[a]	<10000[a]	<10000[c]	<12000[c]	<3000[c]	<3000[c]	4.5	<1500[a]	<1500[c]	<4000[c]	<10000[a]	5
1,4-Dichlorobenzene	<20000[c]	<15000[c]	<15000[c]	<10000[a]	<10000[c]	<12000[c]	<3000[c]	<3000[a]	9.1[a]	<1500[a]	<1500[a]	<4000[a]	<10000[a]	5
Dichlorodifluoromethane	<20000[c]	<15000[c]	<15000[a]	<10000[c]	<20000[c]	<12000[c]	<3000[c]	<3000[c]	<1	<1500[c]	<1500[a]	<4000[a]	<20000[a]	5
1,1-Dichloroethane	<20000[a]	<15000[a]	<15000[a]	<10000[a]	<10000[a]	<12000[c]	3600[a]	3200[a]	<1	5200[a]	4900[a]	4800[a]	3200[a]	5
1,2-Dichloroethane	<20000[c]	<15000[c]	<15000[c]	<10000[a]	<10000[a]	<12000[a]	5100[a]	<3000[c]	6700[a]	7800[a]	5200[a]	5600[a]	3900[a]	0.6
1,1-Dichloroethene	<20000[c]	<15000[a]	<15000[a]	<10000[a]	<10000[a]	<12000[a]	<3000[a]	<3000[c]	2000[a]	<1500[a]	<1500[c]	<4000[c]	<2000[a]	5
cis-1,2-Dichloroethene	430000[a]	330000[a]	300000[a]	240000[a]	170000[a]	270000[a]	270000[a]	260000[a]	380000[a]	330000[a]	350000[a]	310000[a]	250000[a]	5
trans-1,2-Dichloroethene	<20000[c]	<15000[c]	<15000[a]	<10000[c]	<10000[c]	<12000[c]	<3000[c]	<3000[c]	4700[a]	<1500[a]	<1500[c]	<4000[c]	<3000[a]	5
1,2-Dichloropropane	<20000[a]	<15000[a]	<15000[a]	<10000[a]	<10000[a]	<12000[a]	<3000[c]	<3000[c]	110[a]	<1500[c]	<1500[a]	<4000[a]	<7000[a]	1
1,3-Dichloropropane	<20000[a]	<15000[a]	<15000[a]	<10000[a]	<10000[a]	<12000[a]	<3000[a]	<3000[c]	<1	<1500[a]	<1500[a]	<4000[c]	<10000[a]	5
2,2-Dichloropropane	<20000[c]	<15000[c]	<15000[c]	<10000[a]	<10000[a]	<12000[c]	<3000[c]	<3000[c]	<1	<1500[a]	<1500[c]	<4000[c]	<10000[c]	5
1,1-Dichloropropene	<20000[c]	<15000[c]	<15000[c]	<10000[c]	<10000[c]	<12000[c]	<3000[c]	<3000[c]	<1	<1500[a]	<1500[a]	<4000[c]	<10000[a]	5
cis-1,3-Dichloropropene	<20000[a]	<15000[a]	<15000[a]	<10000[c]	<10000[c]	<12000[a]	<3000[c]	<3000[a]	<1[a]	<1500[a]	<750[a]	<2000[a]	<2000[a]	0.4
trans-1,3-Dichloropropene	<20000[a]	<15000[a]	<15000[a]	<10000[c]	<10000[c]	<12000[c]	<3000[c]	<3000[c]	<1[a]	<1500[c]	<750[c]	<2000[c]	<2000[c]	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<8000	NE
Diethyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<80000	NE
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<80000	NE
Ethylbenzene	<20000[a]	<15000[a]	<15000[a]	<10000[c]	<10000[c]	<12000[c]	<3000[c]	<3000[c]	740[a]	<1500[c]	<1500[c]	<4000[c]	<2000[c]	5
4-Ethyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<8000	NE
Hexachlorobutadiene	<20000[a]	<15000[a]	<15000[a]	<10000[a]	<10000[a]	<12000[a]	<3000[a]	<3000[a]	<1[a]	<1500[a]	<750[c]	<2000[c]	<2400[c]	0.5
2-Hexanone	<40000	<30000	<30000	<20000	<20000	<25000	<15000	<15000	<5	<7500	<7500	<20000	<20000	NE
Isopropylbenzene	<20000[c]	<15000[c]	<15000[c]	<10000[a]	<10000[c]	<12000[c]	<3000[c]	<3000[a]	21[a]	<1500[a]	<1500[a]	<4000[a]	<2000[a]	5
4-Isopropyltoluene	<20000[a]	<15000[a]	<15000[a]	<10000[a]	<10000[c]	<12000[c]	<3000[c]	<3000[c]	13[a]	<1500[a]	<1500[a]	<4000[a]	<2000[a]	5
Methyl tert-butyl ether (MTBE)	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	<1	<1500	<1500	<4000	<4000	NE
4-Methyl-2-pentanone (MIBK)	<40000	<30000	<30000	<20000	<20000	<25000	<15000	<15000	<5	<7500	<7500	<20000	<20000	NE
Methylene chloride	<20000[a]	<15000[a]	<15000[a]	<10000[a]	<10000[a]	<12000[a]	<3000[c]	<3000[c]	4500[a]	6600[a]	<7500[a]	<20000[a]	<20000[a]	5
Naphthalene	<20000[a]	<15000[a]	<15000[a]	<10000[c]	<10000[c]	<12000[c]	<3000[c]	<3000[c]	150[a]	<1500[c]	<1500[a]	<4000[a]	<10000[a]	10
n-Propylbenzene	<20000[a]	<15000[a]	<15000[a]	<10000[a]	<10000[a]	<12000[a]	<3000[c]	<3000[c]	28[a]	<1500[a]	<1500[a]	<4000[a]	<2000[a]	5
Styrene	<20000[c]	<15000[c]	<15000[c]	<10000[c]	<10000[a]	<12000[a]	<3000[c]	<3000[a]	<1	<1500[c]	<1500[c]	<4000[c]	<4000[c]	5
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<20000	NA	NE
trans-1,4-Dichloro-1,2,3-trifluoromethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<20000	NA	NE
1,2,3-Trichloropropane	<20000[a]	<15000[a]	<15000[a]	<10000[c]	<10000[c]	<12000[c]	<3000[c]	<3000[c]	<1	<1500[a]	<1500[c]	<4000[c]	<20000[c]	5
1,1,1,2-Tetrachloroethane	<20000[c]	<15000[c]	<15000[c]	<10000[a]	<10000[a]	<12000[a]	<3000[a]	<3000[c]	<1	<1500[a]	<1500[c]	<4000[c]	<2000[c]	5
1,1,2,2-Tetrachloroethane	<20000[c]	<15000[c]	<15000[c]	<10000[a]	<10000[a]	<12000[a]	<3000[c]	<3000[c]	25[a]	<1500[a]	<750[c]	<4000[c]	<2000[c]	5
Tetrachloroethene (PCE)	<20000[c]	<15000[c]	<15000[a]	<10000[c]	10000[a]	12000[a]	14000[a]	20000[a]	20000[a]	15000[a]	21000[a]	20000[a]	3000[a]	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<8000	NE
Toluene	<20000[a]	<15000[a]	<15000[a]	<10000[a]	<10000[a]	<12000[a]	4000[a]	6400[a]	6200[a]	5100[a]	6200[a]	5900[a]	3700[a]	5
1,2,3-Trichlorobenzene	<20000[a]	<15000[c]	<15000[c]	<10000[a]	<10000[a]	<12000[c]	<3000[a]	<3000[a]	6.2[a]	<1500[a]	<1500[c]	<4000[c]	<10000[a]	5
1,2,4-Trichlorobenzene	<20000[c]	<15000[c]	<15000[c]	<10000[c]	<10000[c]	<12000[a]	<3000[a]	<3000[c]	45[a]	<1500[a]	<1500[c]	<4000[c]	<10000[a]	5
1,1,1-Trichloroethane	<20000[a]	<15000[a]	<15000[a]	<10000[c]	<10000[c]	<12000[a]	4700[a]	3500[a]	<1	4800[a]	3900[a]	5100[a]	<2000[c]	5
1,1,2-Trichloroethane	<20000[c]	<15000[c]	<15000[c]	<10000[c]	<10000[c]	<12000[c]	<3000[c]	<3000[c]	200[a]	<1500[a]	<1500[a]	<4000[a]	<3000[a]	1
Trichloroethene (TCE)	100000[a]	48000[a]	44000[a]	34000[a]	29000[a]	39000[a]	54000[a]	23000[a]	57000[a]	66000[a]	34000[a]	33000[a]	7400[a]	5
Trichlorofluoromethane	<20000[c]	<15000[c]	<15000[c]	<10000[c]	<20000[c]	<12000[c]	<3000[c]	<3000[c]	<1	<1500[a]	<1500[c]	<4000[c]	<10000[a]	5
1,2,4-Trimethylbenzene	<20000[c]	<15000[c]	<15000[a]	<10000[c]	<10000[c]	<12000[c]	<3000[c]	<3000[c]	190[a]	<1500[a]	<1500[c]	<4000[c]	<10000[c]	5
1,3,5-Trimethylbenzene	<20000[a]	<15000[a]	<15000[a]	<10000[a]	<10000[a]	<12000[a]	<3000[a]	<3000[c]	83[a]	<1500[a]	<1500[c]	<4000[c]	<10000[c]	5
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<20000	NE
Vinyl chloride	22000[a]	16000[a]	<15000[a]	<10000[c]	<20000[c]	12000[a]	10000[a]	12000[a]	18000[a]	14000[a]	23000[a]	21000[a]	25000[a]	2
Total Xylenes	<20000[a]	<15000[a]	<15000[c]	<10000[a]	<10000[a]	<12000[a]	<3000[a]	4600[a]	3590[a]	<1500[a]	3500[a]	<4000[a]	<4000[a]	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method

NA - Not analyzed
NE - No allowable limit is established for the substance
< x - Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
Sample Results:
a - Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c - Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date / Analyte	MW-32												NYSDEC Groundwater Standard 6 NYCRR Part 703
	9/16/04	1/19/05	4/27/05	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	9/29/08	
Volatiles by 8260B (ug/L):													
Acetone	<40	<40	<40	Not Sampled	Not Sampled	Not Sampled	18	Not Sampled	Not Sampled	Not Sampled	Not Sampled	120	NE
Acrylonitrile	<50[c]	<50[c]	<50[c]				<3					<5	5
Benzene	**150[a]**	**140[a]**	**300[a]**				**71[a]**					**84[a]**	1
Bromobenzene	<10[c]	<10[c]	<10[c]				<3					<2.5	5
Bromochloromethane	<10[c]	<10[c]	<10[c]				<3					<0.5	5
Bromodichloromethane	<10	<10	<10				<3					<2.5	NE
Bromoform	<10[c]	<10[c]	<10[c]				<3					<2	5
Bromomethane	<10[c]	<10[c]	<10[c]				<3					<1	5
2-Butanone (MEK)	<20	<20	<20				<15					<5	NE
n-Butylbenzene	<10[c]	<10[c]	<10[c]				<3					0.5	5
sec-Butylbenzene	<10[c]	<10[c]	<10[c]				<3					0.9	5
tert-Butylbenzene	<10[c]	<10[c]	<10[c]				<3					<2.5	5
Carbon disulfide	<10	<10	<10				<3					<5	NE
Carbon tetrachloride	<10[c]	<10[c]	<10[c]				<3					<0.5	5
Chlorobenzene	**250[a]**	**200[a]**	**360[a]**				**100[a]**					**87[a]**	5
Chloroethane	<10[c]	<10[c]	<10[c]				<3					1.4	5
Chloroform	<10[c]	<10[c]	<10[c]				<3					<0.75	7
Chloromethane	<10[c]	<10[c]	<10[c]				<3					<2.5	5
2-Chlorotoluene	<10[c]	<10[c]	<10[c]				<3					<2.5	5
4-Chlorotoluene	<10[c]	<10[c]	<10[c]				<3					<2.5	5
1,2-Dibromo-3-chloropropane (DBCP)	<10[c]	<4[c]	<10[c]				<3[c]					<2.5[c]	0.04
Dibromochloromethane	<10[c]	<10[c]	<10[c]				<3					<5	5
1,2-Dibromoethane (EDB)	<10[c]	<10[c]	<10[c]				<3[c]					<2[c]	0.0006
Dibromomethane	<10[c]	<10[c]	<10[c]				<3					**7.4[a]**	5
1,2-Dichlorobenzene	**35[a]**	**31[a]**	**56[a]**				**16[a]**					<0.5	5
1,3-Dichlorobenzene	**33[a]**	**36[a]**	**56[a]**				**25[a]**					**11[a]**	5
1,4-Dichlorobenzene	**82[a]**	**80[a]**	**150[a]**				**44[a]**					**14[a]**	5
Dichlorodifluoromethane	<10[c]	<10[c]	<10[c]				<3					<5	5
1,1-Dichloroethane	<10[c]	**16[a]**	**52[a]**				<3					2.4	5
1,2-Dichloroethane	<10[c]	<10[c]	<10[c]				<3[c]					**2.6[a]**	0.6
1,1-Dichloroethene	<10[c]	<10[c]	<10[c]				<3					<0.5	5
cis-1,2-Dichloroethene	<19[c]	**56[a]**	**200[a]**				<3					2.2	5
trans-1,2-Dichloroethene	<10[c]	<10[c]	<10[c]				<3					<0.75	5
1,2-Dichloropropane	<10[c]	<10[c]	<10[c]				<3[c]					**<1.8[a]**	1
1,3-Dichloropropane	<10[c]	<10[c]	<10[c]				<3					<2.5	5
2,2-Dichloropropane	<10[c]	<10[c]	<10[c]				<3					<2.5	5
1,1-Dichloropropene	<10[c]	<10[c]	<10[c]				<3					<2.5	5
cis-1,3-Dichloropropene	<10[c]	<10[c]	<10[c]				<3[c]					<0.5[c]	0.4
trans-1,3-Dichloropropene	<10[c]	<10[c]	<10[c]				<3[c]					<0.5[c]	0.4
1,4-Diethylbenzene	NA	NA	NA				NA					<2	NE
Ethylbenzene	**54[a]**	**28[a]**	**71[a]**				<3					2.4	5
4-Ethyltoluene	NA	NA	NA				NA					<2	NE
Hexachlorobutadiene	<10[c]	<10[c]	<10[c]				<3[c]					<0.6[c]	0.5
2-Hexanone	<20	<20	<20				<15					<5	NE
Isopropylbenzene	<10[c]	<10[c]	<10[c]				3.8					2.8	5
4-Isopropyltoluene	<10[c]	<10[c]	<10[c]				<3					<0.5	5
Methyl tert-butyl ether (MTBE)	14	15	18				9.2					8.5	NE
4-Methyl-2-pentanone (MIBK)	<20	<20	<20				<15					<5	NE
Methylene chloride	<10[c]	<10[c]	<10[c]				<3					<5	5
Naphthalene	**15[a]**	<10[c]	**19[a]**				7.6					<2.5	10
n-Propylbenzene	**12[a]**	<10[c]	**13[a]**				<3					3.7	5
Styrene	<10[c]	<10[c]	<10[c]				<3					<1	5
1,2,3-Trichloropropane	<10[c]	<10[c]	<10[c]				<3					<5	5
1,1,1,2-Tetrachloroethane	<10[c]	<10[c]	<10[c]				<3					<0.5	5
1,1,2,2-Tetrachloroethane	<10[c]	<10[c]	<10[c]				<3					<0.5	5
Tetrachloroethene (PCE)	<10[c]	<10[c]	<10[c]				<3					<0.5	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA				NA					<2	NE
Toluene	**12[a]**	**12[a]**	**34[a]**				<3					1.3	5
1,2,3-Trichlorobenzene	<10[c]	<10[c]	<10[c]				<3					<2.5	5
1,2,4-Trichlorobenzene	<10[c]	<10[c]	**11[a]**				<3					<2.5	5
1,1,1-Trichloroethane	<10[c]	<10[c]	<10[c]				<3					<0.5	5
1,1,2-Trichloroethane	<10[c]	<10[c]	<10[c]				<3[c]					<0.75	1
Trichloroethene (TCE)	<10[c]	<10[c]	<10[c]				<3					<0.5	5
Trichlorofluoromethane	<10[c]	<10[c]	<10[c]				<3					<2.5	5
1,2,4-Trimethylbenzene	**64[a]**	**35[a]**	**73[a]**				**10[a]**					**6.2[a]**	5
1,3,5-Trimethylbenzene	<10[c]	<10[c]	**15[a]**				<3					<2.5	5
Vinyl acetate	NA	NA	NA				NA					<5	NE
Vinyl chloride	<4[c]	**50[a]**	**150[a]**				<1.5					**3.5[a]**	2
Total Xylenes	**40[a]**	**53[a]**	**197[a]**				**5.1[a]**					<6.4[c]	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NA: Not analyzed
NE: No allowable limit is established for the substance
<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)

Sample Results:
a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date / Analyte	MW-33														NYSDEC Groundwater Standard 6 NYCRR Part 703
	9/16/04	1/19/05	4/27/2005	4/27/05 (Dup)	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	4/18/08	9/29/08	
Volatiles by 8260B (ug/L):															
Acetone	<200	<100	<100	<120	<60	<60	<40	<5	<20	<5	<5	<40	<50	<5.0	NE
Acrylonitrile	<250[c]	<120[c]	<120[c]	<150[c]	<75[c]	<75[c]	<50[c]	<1	<25[c]	<5	<5	<2	<2.5	<50[c]	5
Benzene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	1.1[a]	<5[c]	1.5[a]	<1	<4[c]	5.5[a]	<5.0[c]	1
Bromobenzene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<25[c]	5
Bromochloromethane	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<25[c]	5
Bromodichloromethane	<50	<25	<25	<30	<15	<15	<10	<1	<5	<1	<1	<4	<5.0	<5.0	NE
Bromoform	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10	<1	<5	<1	<1	<4	<5.0	<20[c]	5
Bromomethane	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<30[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<10[c]	5
2-Butanone (MEK)	<100	<50	<50	<60	<30	<30	<20	<5	<10	<5	<5	<20	<25	<50	NE
n-Butylbenzene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<5.0	5
sec-Butylbenzene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<5.0	5
tert-Butylbenzene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<25[c]	5
Carbon disulfide	<50	<25	<25	<30	<15	<15	<10	<1	<5	37	<5	<4	<5.0	<50	NE
Carbon tetrachloride	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<5.0	5
Chlorobenzene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<5.0	5
Chloroethane	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<30[c]	<10[c]	21[a]	<5	<1	<1	<4	19[a]	18[a]	5
Chloroform	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<7.5[c]	7
Chloromethane	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<25[c]	5
2-Chlorotoluene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<25[c]	5
4-Chlorotoluene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<25[c]	5
1,2-Dibromo-3-chloropropane (DBCP)	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1[a]	<5[c]	<1[a]	<1[a]	<2[c]	<2.5[c]	<25[c]	0.04
Dibromochloromethane	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<2	<2.5	<5.0	5
1,2-Dibromoethane (EDB)	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1[a]	<5[c]	<1[a]	<1[a]	<2[a]	<2.5[c]	<20[c]	0.0006
Dibromomethane	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<50[c]	5
1,2-Dichlorobenzene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<25[c]	5
1,3-Dichlorobenzene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<25[c]	5
1,4-Dichlorobenzene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	1.1	<5	1.1	<1	<4	<5.0	<25[c]	5
Dichlorodifluoromethane	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<30[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<50[c]	5
1,1-Dichloroethane	50[a]	34[a]	40[a]	33[a]	32[a]	20[a]	17[a]	11[a]	13[a]	19[a]	10[a]	15[a]	12[a]	5.1[a]	5
1,2-Dichloroethane	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1[a]	<5[c]	<1[a]	<1[a]	<4[c]	<5.0[c]	<5.0[c]	0.6
1,1-Dichloroethene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	1.6	<1	<4	<5.0	<5.0	5
cis-1,2-Dichloroethene	1400[a]	590[a]	630[a]	490[a]	470[a]	440[a]	220[a]	180[a]	160[a]	830[a]	44[a]	230[a]	400[a]	210[a]	5
trans-1,2-Dichloroethene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	2.4	<5	14[a]	1.5	<4	<5.0	1.4	5
1,2-Dichloropropane	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5[a]	<1	<1	<4[c]	<5.0[c]	<10[c]	1
1,3-Dichloropropane	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<25[c]	5
2,2-Dichloropropane	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<25[c]	5
1,1-Dichloropropene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<25[c]	5
cis-1,3-Dichloropropene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1[a]	<5[c]	<1[a]	<1[a]	<2[c]	<2.5[c]	<5.0[c]	0.4
trans-1,3-Dichloropropene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1[a]	<5[c]	<1[a]	<1[a]	<2[a]	<2.5[c]	<5.0[c]	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<20	NE
Diethyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	20	NA	NE
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	100	NA	NE
Ethylbenzene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	5.9[a]	<5.0	5
4-Ethyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<20	NE
Hexachlorobutadiene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1[a]	<5[c]	<1[a]	<1[a]	<2[a]	<2.5[c]	<6.0[c]	0.5
2-Hexanone	<100	<50	<50	<60	<30	<30	<20	<5	<10	<5	<5	<20	<25	<50	NE
Isopropylbenzene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	1	<1	<4	6.4[a]	<5.0	5
4-Isopropyltoluene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	6.5[a]	<5.0	5
Methyl tert-butyl ether (MTBE)	<50	<25	<25	<30	25	<15	10	8.1	16	7.9	7.2	<4	29	24	NE
4-Methyl-2-pentanone (MIBK)	<100	<50	<50	<60	<30	<30	<20	<5	<10	<5	<5	<20	<25	<50	NE
Methylene chloride	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<20[c]	<25[c]	<50[c]	5
Naphthalene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10	<1	<5	<1	<1	<4	<5.0	<25[c]	10
n-Propylbenzene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	1.1	<5	<1	<1	<4	5.1[a]	<5.0	5
Styrene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<10[c]	5
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<25	NA	NE
trans-1,4-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<25	NA	NE
1,2,3-Trichloropropane	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<50[c]	5
1,1,1,2-Tetrachloroethane	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<5.0	5
1,1,2,2-Tetrachloroethane	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<2	<2.5	<5.0	5
Tetrachloroethene (PCE)	150[a]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	5.4[a]	30[a]	<5	8.3[a]	1.9	14[a]	<5.0	0.91	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<20	NE
Toluene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<7.5[c]	5
1,2,3-Trichlorobenzene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<25[c]	5
1,2,4-Trichlorobenzene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	3.5	<5	1.3	3.5	<4	<5.0	<25[c]	5
1,1,1-Trichloroethane	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	1.9	<5	<1	<1	<4	<5.0	<5.0	5
1,1,2-Trichloroethane	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5[a]	<1	<1	<4[c]	<5.0[c]	<7.5[c]	1
Trichloroethene (TCE)	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<30[c]	<10[c]	2.9	33[a]	<5	6.3[a]	1.9	10[a]	<5.0	5
Trichlorofluoromethane	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<30[c]	<10[c]	<1	<5	<1	<1	<4	<5.0	<25[c]	5
1,2,4-Trimethylbenzene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	1.3	<5	2.6	<1	<4	27[a]	<25[c]	5
1,3,5-Trimethylbenzene	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	<1	<5	1.4	<1	<4	<5.0	<25[c]	5
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<50	NE
Vinyl chloride	860[a]	520[a]	570[a]	390[a]	410[a]	250[a]	180[a]	120[a]	310[a]	590[a]	120[a]	430[a]	180[a]	140[a]	2
Total Xylenes	<50[c]	<25[c]	<25[c]	<30[c]	<15[c]	<15[c]	<10[c]	1.5	<5	3.8	<3	<4	<5.0	<10[c]	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method

NA= Not Analyzed

NE= No allowable limit is established for the substance

<x= Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)

Sample Results

a= Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

c= Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date / Analyte	MW-34													MW-35						MW-36						NYSDEC Groundwater Standard 6 NYCRR Part 703
	9/16/04	1/13/05	4/27/05	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	10/18/07	9/29/08	11/30/06	2/8/07	6/14/07	10/18/07	6/18/08	9/29/08	11/30/06	2/8/07	6/14/07	10/18/07	6/18/08	9/29/08	
Volatiles by 8260B (ug/L):																										
Acetone	<12000	<20000	<20000	<10000	<6000	<3000	<2000	<2000	16	<1200	<2500	<2000	<2000	<20	<5	<120	<200	<400	<500	<20	<5	<10	<40	<50	<25	NE
Acrylonitrile	<15000[a]	<25000[a]	<25000[a]	<12000[a]	<7500[a]	<10000[a]	<400[a]	<400[a]	<5	<1200[a]	<120[a]	<100[c]	<2000[c]	<25[a]	<5	<120[a]	<10[a]	<20[a]	<500[a]	<25[a]	<5	<10[a]	<2	<2.5	<25[a]	5
Benzene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	3.8[a]	<250[a]	<250[a]	<200[a]	<200[a]	75[a]	120[a]	150[a]	150[a]	110[a]	100[a]	95[a]	35[a]	25[a]	360[a]	310[a]	200[a]	1
Bromobenzene	<3000[c]	<5000[c]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<1000[a]	<5	<1	<25[a]	<20[a]	<40[a]	<250[a]	<5	<1	<2	<4	<5.0	<12[a]	5
Bromochloromethane	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<1000[a]	<5	<1	<25[a]	<20[a]	<40[a]	<50[a]	<5	<1	<2	<4	<5.0	2.5	5
Bromodichloromethane	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	<1	<250	<250	<200	<200	<5	<1	<25	<20	<40	<250	<5	<1	<2	<4	<5.0[c]	<12[a]	NE
Bromoform	<3000[a]	<5000[c]	<5000[a]	<2500[a]	<1500[a]	<2000	<400	<400	<1	<250	<250	<200[a]	<800[c]	<5	<1	<25	<20	<40[a]	<200[a]	<5	<1	<2	<4	<5.0	10[a]	5
Bromomethane	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<400[a]	<5	<1	<25[a]	<20[a]	<40[a]	<100	<5	<1	<2	<4	<5.0	5[a]	5
2-Butanone (MEK)	<6000	<10000	<10000	<5000	<3000	<4000	<2000	<2000	<5	<1200	<1200	<1000	<2000	<10	<5	<120	<300	<200	<500	<10	<5	<10	<20	<25	<25	NE
n-Butylbenzene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[c]	<400[c]	<400[c]	<1	<250[a]	<250[a]	<200[a]	<200[a]	<5	<1	<25[a]	<20[a]	<40[a]	<50[a]	<5	<1	<2	<4	<5.0	2.5	5
sec-Butylbenzene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<200[a]	<5	<1	<25[a]	<20[a]	<40[a]	<50[a]	<5	<1	3.1	<4	<5.0	2.5	5
tert-Butylbenzene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<200[a]	<5	3.4	<25[a]	<20[a]	<40[a]	<250[c]	<5	1.1	<2	<4	<5.0	<12[a]	5
Carbon disulfide	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	<5	<1200	<250	<200	<2000	<5	<5	<120	<20	<40	<500	<5	<5	<10	<4	<5.0	<25	NE
Carbon tetrachloride	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<200[a]	<5	<1	<25[a]	<20[a]	<40[a]	<50[a]	<5	<1	<2	<4	<5.0	<2.5	5
Chlorobenzene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	2	<250[a]	<250[a]	<200[a]	<200[a]	3100[a]	4100[a]	4400[a]	4600[a]	3300[a]	4200[a]	260[a]	370[a]	150[a]	500[a]	400[a]	240[a]	5
Chloroethane	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<3000[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<400[a]	36[a]	70[a]	<25[a]	64[a]	<40[a]	<100[a]	<5	<1	<2	<4	<5.0	5[a]	5
Chloroform	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	2.2	<250[a]	<250[a]	<200[a]	<300[a]	<5	<1	<25[a]	<20[a]	<40[a]	<75[a]	<5	1.2	<2	<4	<5.0	3.8	7
Chloromethane	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<3000[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<1000[a]	<5	<1	<25[a]	<20[a]	<40[a]	<250[a]	<5	<1	<2	<4	<5.0	<12[a]	5
2-Chlorotoluene	<3000[c]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<1000[a]	<5	<1	<25[a]	<20[a]	<40[a]	<250[a]	<5	<1	<2	<4	<5.0	<12[a]	5
4-Chlorotoluene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[c]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<1000[a]	<5	<1	<25[a]	<20[a]	<40[a]	<250[a]	<5	<1	<2	<4	<5.0	<12[a]	5
1,2-Dibromo-3-chloropropane (DBCP)	<3000[a]	<2000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1[a]	<250[a]	<120[a]	<100[a]	<1000[a]	<5[a]	<1[a]	<25[a]	<10[a]	<20[a]	<250[a]	<5[a]	<1[a]	<2[a]	<2[a]	<2.5[a]	<12[a]	0.04
Dibromochloromethane	<3000[c]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<120[a]	<100[a]	<200[a]	<5	<1	<25[a]	<10[a]	<20[a]	<50[a]	<5	<1	<2	<2	<2.5	<2.5	5
1,2-Dibromoethane (EDB)	<3000[c]	<5000[a]	<5000[a]	<2500[a]	<1500[c]	<2000[a]	<400[a]	<400[a]	<1[a]	<250[a]	<120[a]	<100[a]	<800[a]	<5[a]	<1	<25[a]	<10[a]	<20[a]	<200[a]	<5[a]	<1[a]	<2[a]	<2[a]	<2.5[a]	10[a]	0.0006
Dibromomethane	<3000[c]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<2000[a]	<5	<1	<25[a]	<20[a]	<40[a]	<500[a]	<5	<1	<2	<4	<5.0	<25[a]	5
1,2-Dichlorobenzene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	5.5[a]	<250[a]	<250[a]	<200[a]	<1000[a]	110[a]	140[a]	140[a]	160[a]	74[a]	<250[a]	22[a]	16[a]	7.1[a]	25[a]	17[a]	<12[a]	5
1,3-Dichlorobenzene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<1000[a]	170[a]	200[a]	170[a]	140[a]	<40[a]	<250[a]	59[a]	44[a]	20[a]	30[a]	28[a]	<12[a]	5
1,4-Dichlorobenzene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	2	<250[a]	<250[a]	<200[a]	<1000[a]	150[a]	180[a]	87[a]	200[a]	51[a]	<250[a]	66[a]	50[a]	21[a]	39[a]	30[a]	14[a]	5
Dichlorodifluoromethane	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<3000[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<2000[a]	<5	<1	<25[a]	<20[a]	<40[a]	<500[a]	<5	<1	<2	<4	<5.0	<25[a]	5
1,1-Dichloroethane	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	96[a]	<250[a]	290[a]	<200[a]	<300[a]	11[a]	14[a]	47[a]	84[a]	<40[a]	<75[a]	<5	1.6	6.8[a]	<4	<5.0	<3.8	5
1,2-Dichloroethane	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	2.3[a]	<250[a]	<250[a]	<200[a]	<200[a]	<5[a]	1.3[a]	<25[a]	<20[a]	<40[a]	<50[a]	<5[a]	<1[a]	<2[a]	<4[a]	<5.0[a]	5.8[a]	0.6
1,1-Dichloroethene	<3000[c]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	50[a]	<250[a]	<250[a]	<200[a]	<200[a]	<5	<1	<25[a]	<20[a]	<40[a]	<50[a]	<5	<1	<2	<4	<5.0	<2.5	5
cis-1,2-Dichloroethene	6000[a]	9300[a]	10000[a]	7800[a]	10000[a]	8600[a]	6600[a]	5300[a]	6200[a]	9200[a]	12000[a]	8100[a]	8300[a]	190[a]	60[a]	380[a]	1600[a]	<40[a]	<50[a]	53[a]	22[a]	75[a]	<4	5.1[a]	25[a]	5
trans-1,2-Dichloroethene	<3000[c]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	190[a]	<250[a]	<250[a]	<200[a]	<300[a]	<5	2.2	<25[a]	<20[a]	<40[a]	<75[a]	<5	<1	<2	<4	<5.0	<3.8	5
1,2-Dichloropropane	<3000[c]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<700[a]	<5[a]	<1	<25[a]	<20[a]	<40[a]	<180[a]	<5[a]	<1	<2[a]	<4[a]	<5.0[a]	<3.8[a]	1
1,3-Dichloropropane	<3000[c]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<1000[a]	<5	<1	<25[a]	<20[a]	<40[a]	<250[a]	<5	<1	<2	<4	<5.0	<12[a]	5
2,2-Dichloropropane	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[c]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[c]	<1000[a]	<5	<1	<25[a]	<20[a]	<40[a]	<250[a]	<5	<1	<2	<4	<5.0	<12[a]	5
1,1-Dichloropropene	<3000[c]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<1000[a]	<5	<1	<25[a]	<20[a]	<40[a]	<250[a]	<5	<1	<2	<4	<5.0	<12[a]	5
cis-1,3-Dichloropropene	<3000[c]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1[a]	<250[a]	<120[a]	<100[a]	<200[a]	<5[a]	<1[a]	<25[a]	<10[a]	<20[a]	<50[a]	<5[a]	<1[a]	<2[a]	<2[a]	<2.5[a]	<2.5[a]	0.4
trans-1,3-Dichloropropene	<3000[c]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1[a]	<250[a]	<120[a]	<100	<200[a]	<5[a]	<1[a]	<25[a]	<10[a]	<20[a]	<50[a]	<5[a]	<1[a]	<2[a]	<2[a]	<2.5[a]	<2.5[a]	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<800	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	<10	NE
Diethyl ether	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	<40	NA	NA	NA	NA	NA	120	NA	NE
1,4-Dioxane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<4000	NA	NA	NA	NA	<800	NA	NA	NA	NA	NA	120	NA	NE
Ethylbenzene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[c]	<2000[c]	<400[a]	<400[a]	10[a]	<250[a]	<250[a]	<200[a]	<200[a]	48[a]	66[a]	130[a]	150[a]	79[a]	98[a]	34[a]	28[a]	11[a]	29[a]	33[a]	6.7[a]	5
4-Ethyltoluene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<800	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	<10	NE
Hexachlorobutadiene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1[a]	<250[a]	<120[a]	<100[a]	<240[a]	<5[a]	<1[a]	<25[a]	<10[a]	<20[a]	<60[a]	<5[a]	<1[a]	<2[a]	<2[a]	<2.5[a]	<3[a]	0.5
2-Hexanone	<6000	<10000	<10000	<5000	<3000	<4000	<2000	<2000	<5	<1200	<1200	<1000	<2000	<10	<5	<120	<100	<200	<500	<10	<5	<10	<20	<25	<25	NE
Isopropylbenzene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	2.3	<250[a]	<250[a]	<200[a]	<200[a]	10[a]	15[a]	<25[a]	<20[a]	<40[a]	<50[a]	12[a]	6[a]	2.7	9.9[a]	8[a]	5.2[a]	5
4-Isopropyltoluene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	1.6	<250[a]	<250[a]	<200[a]	<200[a]	12[a]	18[a]	<25[a]	<20[a]	<40[a]	<50[a]	13[a]	3.9	5.6[a]	<4	13[a]	<2.5	5
Methyl tert-butyl ether (MTBE)	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	9.9	<250	<250	<200	<400	38	55	57	41	45	<100	8.4	6	4.2	20	20	13	NE
4-Methyl-2-pentanone (MIBK)	<6000	<10000	<10000	<5000	<3000	<4000	<2000	<2000	<5	<1200	<1200	<1000	<2000	<10	<5	<120	<100	<200	<500	<10	<5	<10	<20	<25	<25	NE
Methylene chloride	<3000[c]	<5000[c]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	45[a]	<250[a]	<1200[a]	<1000[a]	<2000[a]	<5	<1	<25[a]	<100[a]	<200[a]	<500[a]	<5	<1	<2	<20[a]	<25[a]	<25[a]	5
Naphthalene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	3.4	<250[a]	<250[a]	<200[a]	<1000[a]	55[a]	85[a]	70[a]	<20[a]	<40[a]	<250[a]	33[a]	13[a]	6.2	34[a]	<5.0	<12[a]	10
n-Propylbenzene	<3000[c]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	1.6	<250[a]	<250[a]	<200[a]	<200[a]	19[a]	28[a]	36[a]	<20[a]	<40[a]	<50[a]	28[a]	13[a]	5.1[a]	12[a]	12[a]	6.5[a]	5
Styrene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<400[a]	<5	<1	<25[a]	<20[a]	<40[a]	<100[a]	<5	<1	<2	<4	<5.0	<5	5
Tetrahydrofuran	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	<25	NA	NE
trans-1,4-Trichloro-1,2,2-trifluoroethane	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<1000	NA	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	<25	NA	NE
1,2,3-Trichloropropane	<3000[c]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<2000[a]	<5	<1	<25[a]	<20[a]	<40[a]	<500[a]	<5	<1	<2	<4	<5.0	<5	5
1,1,1,2-Tetrachloroethane	<3000[c]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<200[a]	<5	<1	<25[a]	<20[a]	<40[a]	<50[a]	<5	<1	<2	<4	<5.0	<2.5	5
1,1,2,2-Tetrachloroethane	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<120[a]	<100[a]	<200[a]	<5	<1	<25[a]	<10[a]	<40[a]	<50[a]	<5	<1	<2	<2	<2.5	<2.5	5
Tetrachloroethene (PCE)	72000[a]	96000[a]	130000[a]	79000[a]	37000[a]	50000[a]	25000[a]	25000[a]	36000[a]	36000[a]	74000[a]	21000[a]	20000[a]	13[a]	12[a]	<25[a]	30[a]	<40[a]	<50[a]	<5	18[a]	8.8[a]	<4	<5.0	4.7	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<800	NA	NA	NA	NA	NA	<200	NA	NA	NA	NA	NA	<10	NE
Toluene	<3000[c]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	19[a]	<250[a]	<250[a]	<200[a]	<300[a]	38[a]	83[a]	43[a]	88[a]	<40[a]	<75[a]	8.3[a]	21[a]	21[a]	21[a]	14[a]	<3.8	5
1,2,3-Trichlorobenzene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	1.2	<250[a]	<250[a]	<200[a]	<1000[a]	<5	2.4	<25[a]	<20[a]	<40[a]	<250[a]	<5	<1	<2	<4	<5.0	<12[a]	5
1,2,4-Trichlorobenzene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	1500[a]	<400[a]	4.6	<250[a]	<250[a]	<200[a]	<1000[a]	7.2[a]	6.6[a]	<25[a]	<20[a]	<40[a]	<250[a]	5.4[a]	2.2	2.3	<4	<5.0	<12[a]	5
1,3,5-Trichlorobenzene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	500[a]	470[a]	920[a]	1600[a]	<200[a]	260[a]	<5	<1	<25[a]	20[a]	<40[a]	<50[a]	<5	<1	<2	<4	<5.0	<2.5	5
1,1,1-Trichloroethane	<3000[c]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<300[a]	<5[a]	<1	<25[a]	<20[a]	<40[a]	<75[a]	<5[a]	<1	<2[a]	<4[a]	<5.0[a]	<3.8[a]	1
1,1,2-Trichloroethane	5[a]	<3000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<300[a]	<5	<1	<25[a]	<20[a]	<40[a]	<50[a]	<5	9[a]	10[a]	<4	<5.0	6.9[a]	5
Trichloroethene (TCE)	3800[a]	7100[a]	8100[a]	4900[a]	4500[a]	5200[a]	3300[a]	2700[a]	3300[a]	5600[a]	7600[a]	3500[a]	3800[a]	10[a]	3	<25[a]	<20[a]	<40[a]	<50[a]	<5	<1	<2	<4	<5.0	<12[a]	5
Trichlorofluoromethane	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<3000[a]	<2000[a]	<400[a]	<400[a]	<1	<250[a]	<250[a]	<200[a]	<100[a]	<5	<1	<25[a]	<20[a]	<40[a]	<250[a]	<5	<1	<2	<4	<5.0	<12[a]	5
1,2,4-Trimethylbenzene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<2000[a]	<400[a]	7.1[a]	<250[a]	<250[a]	<200[a]	<1000[a]	160[a]	210[a]	240[a]	230[a]	110[a]	<250[a]	180[a]	110[a]	44[a]	51[a]	99[a]	26[a]	5
1,3,5-Trimethylbenzene	<3000[a]	<5000[a]	<5000[a]	<2500[a]	<1500[a]	<2000[a]	<400[a]	<400[a]	6.6[a]	<250[a]	<250[a]	<200[a]	<1000[a]	63[a]	93[a]	100[a]	110[a]	<40[a]	<250[a]	37[a]	18[a]	7.2[a]	12[a]	<5.0	<12[a]	5
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<2000	NA	NA	NA	NA	NA	<500	NA	NA	NA	NA	NA	<25	NE
Vinyl chloride	<3000[c]	<5000[a]	<5000[a]	<2500[a]	<3000[a]	1800[a]	1200[a]	1500[a]	1100[a]	2200[a]	2600[a]	2400[a]	2600[a]	33[a]	43[a]	240[a]	580[a]	<40[a]	<100[a]	11[a]	<1	8.1[a]	<4[a]	<5.0[a]	5[a]	2
Total Xylenes	<3000[c]	<5000[a]	<5000[a]	<2500[a]	<3000[a]	<2000[a]	<400[a]	<400[a]	53[a]	<250[a]	<250[a]	<200[a]	<400[a]	300[a]	550[a]	450[a]	500[a]	140[a]	210[a]	110[a]	96[a]	37[a]	131[a]	106[a]	17[a]	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method.

NA: Not analyzed
NE: No allowable limit is established for the substance
<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
Sample Results
a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 2
Summary of Groundwater Sample Analytical Data - VOCs
42-14 19th Avenue
Astoria, New York

Sample / Date	Concentration																							NYSDEC Groundwater Standard
	PZ-1															APMW-1				APMW-2				FX Area	
Analyte	8/28/03	2/9/04	5/17/04	7/29/04	1/19/05	4/27/05	8/17/05	11/30/05	2/7/06	5/24/06	11/30/06	2/8/07	6/14/07	10/16/07	9/29/08	4/27/05	5/24/06	6/14/07	9/29/08	4/27/05	5/24/06	6/13/07	9/29/08	7/29/04	6 NYCRR Part 703
Volatiles by 8260B (ug/L)																								
Acetone	<20	<20	<20	<20	<20	<20	Not Sampled	Not Sampled	Not Sampled	<5	Not Sampled	Not Sampled	5.2	Not Sampled	<5.0	<20	<5	<5	<5.0	<20	<5	5.9	<5.0	<140	NE
Acrylonitrile	<25[x]	<25[x]	<25[x]	<25[x]	<25[x]	<25[x]				<1			<5		<5.0	<25[x]	<1	<5	<5.0	<25[x]	<1	<5	<5.0	<180[x]	5
Benzene	<5[x]	2.1[a]	0.63	<3[x]	<5[x]	<5[x]				2[a]			<1		1.3[a]	<5[x]	<1	<1	<0.50	<5[x]	<1	<1	<0.50	220[a]	1
Bromobenzene	<5	<5	<5	<5	<5	<3				<1			<1		<2.5	<5	<1	<1	<2.5	<5	<1	<1	<2.5	<35[x]	5
Bromochloromethane	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	<5	<1	<1	<2.5	<5	<1	<1	<2.5	<35[x]	5
Bromodichloromethane	<5	<5	<5	<5	<5	<5				<1			<1		<0.50	<5	<1	<1	<0.50	<5	<1	<1	<0.50	<35	NE
Bromoform	<5	<5	<5	<5	<5	<5				<1			<1		<2.0	<5	<1	<1	<2.0	<5	<1	<1	<2.0	<35[x]	5
Bromomethane	<5	<5	<5	<5	<5	<5				<1			<1		<1.0	<5	<1	<1	<1.0	<5	<1	<1	<1.0	<35[x]	5
2-Butanone (MEK)	<10	<10	<10	<10	<10	<10				<5			<5		<5.0	<10	<5	<5	<5.0	<10	<5	<5	<5.0	<70	NE
n-Butylbenzene	<5	<5	<5	<5	<5	<5				<1			<1		<0.50	<5	<1	<1	<0.50	<5	<1	<1	<0.50	<35[x]	5
sec-Butylbenzene	<5	<5	<5	<5	<5	<5				<1			<1		<0.50	<5	<1	<1	<0.50	<5	<1	<1	<0.50	<35[x]	5
tert-Butylbenzene	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	<5	<1	<1	<2.5	<5	<1	<1	<2.5	<35[x]	5
Carbon disulfide	<5	<5	<5	<5	<5	<5				<1			<5		<5.0	<5	<1	<5	<5.0	<5	<1	<5	<5.0	<35	NE
Carbon tetrachloride	<5	<5	<5	<5	<5	<5				<1			<1		<0.50	<5 [g]	<1	<1	<0.50	<5	<1	<1	<0.50	<35[x]	5
Chlorobenzene	<5	1.2	<5	<5	<5	<5				<1			<1		<0.50	<5	<1	<1	<0.50	<5	<1	<1	<0.50	56[a]	5
Chloroethane	<5	<5	<5	<5	<5	<5				<1			<1		<1.0	<5	<1	1	<1.0	<5	<1	<1	1.0	46[a]	5
Chloroform	<5	<5	<5	<5	<5	<5				<1			<1		<0.75	<5	<1	<1	<0.75	<5	<1	<1	<0.75	<35[x]	7
Chloromethane	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	<5	<1	<1	<2.5	<5	<1	<1	<2.5	<35[x]	5
2-Chlorotoluene	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	<5	<1	<1	<2.5	<5	<1	<1	<2.5	<35[x]	5
4-Chlorotoluene	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	<5	<1	<1	<2.5	<5	<1	<1	<2.5	<35[x]	5
1,2-Dibromo-3-chloropropane (DBCP)	<5[x]	<5[x]	<5[x]	<5[x]	<2[x]	<5[x]				<1[a]			<1[a]		<2.5[x]	<5[x]	<1[a]	<1[a]	<2.5[x]	<5[x]	<1[a]	<1[a]	<2.5[x]	<35[x]	0.04
Dibromochloromethane	<5	<5	<5	<5	<5	<5				<1			<1		<0.50	<5	<1	<1	<0.50	<5	<1	<1	<0.50	<35[x]	5
1,2-Dibromoethane (EDB)	<5[x]	<5[x]	<5[x]	<5[x]	<5[x]	<5[x]				<1[a]			<1[a]		<2.0[a]	<5[x]	<1[a]	<1[a]	<2.0[a]	<5[x]	<1[a]	<1[a]	<2.0[a]	<35[x]	0.0006
Dibromomethane	<5	<5	<5	<5	<5	<5				<1			<1		<5.0	<5	<1	<1	<5.0	<5	<1	<1	<5.0	<35[x]	5
1,2-Dichlorobenzene	<5	0.9	<5	<5	<5	<5				<1			<1		<2.5	<5	<1	<1	<2.5	<5	<1	<1	<2.5	<35[x]	5
1,3-Dichlorobenzene	<5	0.58	<5	<5	<5	<5				<1			<1		<2.5	<5	<1	<1	<2.5	<5	<1	<1	<2.5	<35[x]	5
1,4-Dichlorobenzene	<5	2.1	<5	<5	<5	<5				<1			<1		<2.5	<5	<1	<1	<2.5	<5	<1	<1	<2.5	38[a]	5
Dichlorodifluoromethane	<5	<5	<5	<5	<5	<5				<1			<1		<5.0	<5	<1	<1	<5.0	<5	<1	<1	<5.0	<35[x]	5
1,1-Dichloroethane	<5	<5	<5	<5	<5	<5				<1			<1		<5.0	<5	<1	<1	<5.0	<5	1.4	1.4	1.1	92[a]	5
1,2-Dichloroethane	<5[x]	<5[x]	<5[x]	<5[x]	<5[x]	<5[x]				<1[a]			<1[a]		<0.50	<5[x]	<1[a]	<1[a]	<0.50	<5[x]	<1[a]	<1[a]	<0.50	<35[x]	0.6
1,1-Dichloroethene	<5	<5	<5	<5	<5	<5				<1			<1		<0.50	<5	<1	<1	<0.50	<5	<1	<1	<0.50	<35[x]	5
cis-1,2-Dichloroethene	<5	1.4	<5	<5	<5	<5				<1			<1		<5.0	<5	2.5	1.9	3.3	6.3[a]	7.5[a]	8.4[a]	3.4	760[a]	5
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5				<1			<1		1.4	<5	<1	<1	<0.75	<5	<1	<1	<0.75	<35[x]	5
1,2-Dichloropropane	<5[x]	<5[x]	<5[x]	<5[x]	<5[x]	<5[x]				<1			<1		<1.8[a]	<5[x]	<1	<1	<1.8[a]	<5[x]	<1	<1	<1.8[a]	<35[x]	1
1,3-Dichloropropane	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	<5	<1	<1	<2.5	<5	<1	<1	<2.5	<35[x]	5
2,2-Dichloropropane	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	<5	<1	<1	<2.5	<5	<1	<1	<2.5	<35[x]	5
1,1-Dichloropropene	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	<5	<1	<1	<2.5	<5	<1	<1	<2.5	<35[x]	5
cis-1,3-Dichloropropene	<5[x]	<5[x]	<5[x]	<5[x]	<5[x]	<5[x]				<1[a]			<1[a]		<0.50[a]	<5[x]	<1[a]	<1[a]	<0.50[a]	<5[x]	<1[a]	<1[a]	<0.50[a]	<35[x]	0.4
trans-1,3-Dichloropropene	<5[x]	<5[x]	<5[x]	<5[x]	<5[x]	<5[x]				<1[a] [c]			<1[a]		<0.50	<5[x]	<1[a]	<1[a]	<0.50[a]	<5[x]	<1[a]	<1[a]	<0.50[a]	<35[x]	0.4
1,4-Diethylbenzene	NA	NA	NA	NA	NA	NA				NA			NA		<2.0	NA	NA	NA	<2.0	NA	NA	NA	<2.0	NA	NE
Ethylbenzene	22[a]	5.7[a]	0.84	<5	<5	<5				1.5			<1		3.2	<5	<1	<1	<0.50	<5	<1	<1	<0.50	<35[x]	5
4-Ethyltoluene	NA	NA	NA	NA	NA	NA				NA			NA		3.8	NA	NA	NA	<2.0	NA	NA	NA	<2.0	NA	NE
Hexachlorobutadiene	<5[x]	<5[x]	<5[x]	<5[x]	<5[x]	<5[x]				<1[a]			<1[a]		<0.60[a]	<5[x]	<1[a]	<1[a]	<0.60[a]	<5[x]	<1[a]	<1[a]	<0.60[a]	<35[x]	0.5
2-Hexanone	<10	<10	<10	<10	<10	<10				<5			<5		<5.0	<10	<5	<5	<5.0	<10	<5	<5	<5.0	<70	NE
Isopropylbenzene	8.5[a]	7.9[a]	2	5[a]	9.2[a]	5.5[a]				6[a]			1.3		3.2	5.5[a]	<1	<1	<0.50	<5	<1	<1	<0.50	<35[x]	5
4-Isopropyltoluene	<5	<5	<5	<5	<5	<5				<1			<1		<0.50	<5	<1	<1	<0.50	<5	<1	<1	<0.50	<35[x]	5
Methyl tert-butyl ether (MTBE)	<5	<5	<5	<5	<5	<5				<1			<1		<1.0	<5	<1	<1	<1.0	<5	<1	<1	<1.0	99	NE
4-Methyl-2-pentanone (MIBK)	<10	<10	<10	<10	<10	<10				<5			<5		<5.0	<10	<5	<5	<5.0	<10	<5	<5	<5.0	<70	NE
Methylene chloride	<10[a]	<5	<5	<5	<5	<5				<1			<1		<5.0	<5	<1	<1	<5.0	<5	<3	<1	<5.0	<35[x]	5
Naphthalene	<5	0.9	<5	<5	<5	<5				<1			<1		<2.5	<5	<1	<1	<2.5	<5	<1	<1	<2.5	37[a]	10
n-Propylbenzene	<5	0.38	<5	<5	<5	<5				<1			<1		<0.50	<5	<1	<1	<0.50	<5	<1	<1	<0.50	<35[x]	5
Styrene	<5	<5	0.43	<5	<5	<5				1.1			<1		<1.0	<5	<1	<1	<1.0	<5	<1	<1	<1.0	<35[x]	5
1,2,3-Trichloropropane	<5	<5	<5	<5	<5	<5				<1			<1		<5.0	<5	<1	<1	<5.0	<5	<1	<1	<5.0[a]	<35[x]	5
1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5				<1			<1		<0.50	<5	<1	<1	<0.30	<5	<1	<1	<0.50	<35[x]	5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5				<1			<1		<0.50	<5	<1	<1	<0.50	<5	<1	<1	<0.50	<35[x]	5
Tetrachloroethene (PCE)	<5	1.3	0.74	<5	<5	<5				<1			<1		0.73	<5	3.6	1.9	4.5	22[a]	25[a]	15[a]	3.8	730[a]	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA				NA			NA		<2.0	NA	NA	NA	<2.0	NA	NA	NA	<2.0	NA	NE
Toluene	<5	1.3	0.76	<5	<5	<5				<1			<1		<0.75	<5	<1	<1	<0.75	<5	<1	<1	<0.75	140[a]	5
1,2,3-Trichlorobenzene	<5	0.4	<5	<5	<5	<5				<1			<1		<2.5	<5	<1	<1	<2.5	<5	<1	<1	<2.5	<35[x]	5
1,2,4-Trichlorobenzene	<5	0.76	<5	<5	<5	<5				<1			<1		<2.5	<5	<1	<1	<2.5	<5	<1	<1	<2.5	<35[x]	5
1,1,1-Trichloroethane	<5	0.29	<5	<5	<5	<5				<1			<1		<0.50	<5	<1	<1	<0.50	<5	<1	<1	<0.50	<35[x]	5
1,1,2-Trichloroethane	<5[x]	<5[x]	<5[x]	<5[x]	<5[x]	<5[x]				<1			<1		<0.75	<5[x]	<1	<1	<0.75	<5[x]	<1	<1	<0.75	<35[x]	1
Trichloroethene (TCE)	<5	0.68	0.41	<5	<5	<5				<1			<1		10[a]	<5	3.8	2.4	5.8[a]	8.8[a]	14[a]	10[a]	2.9	150[a]	5
Trichlorofluoromethane	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	<5	<1	<1	<2.5	<5	<1	<1	<2.5	<35[x]	5
1,2,4-Trimethylbenzene	<5	<5	<5	<5	<5	<5				<1			<1		<2.5	<5	<1	<1	<2.5	<5	<1	<1	<2.5	<35[x]	5
1,3,5-Trimethylbenzene	<5	<5	<5	5[a]	11[a]	19[a]				7.3[a]			3.3		<2.5	19[a]	<1	<1	<2.5	<5	<1	<1	<2.5	<35[x]	5
Vinyl acetate	NA	NA	NA	NA	NA	NA				NA			NA		<5.0	NA	NA	NA	<5.0	NA	NA	NA	<5.0	NA	NE
Vinyl chloride	<5[x]	<5[x]	<2	<2	<5[x]	<5[x]				<0.5			<1		<1.0	<5[x]	<0.5	<1	2.0[a]	<5	<1	<1	4.0[a]	420[a]	2
Total Xylenes	<5	2.76	<5	<5	<5	<5				<5			<1		<1.0	<5	<1	<1	<1.0	<5	<1	<1	<1.0	82[a]	5

Where necessary, the NYSDEC objectives, in ppm, have been converted to ppb to match the laboratory reporting method

NA: Not analyzed
NE: No allowable limit is established for the substance
<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
Sample Results:
a: Analyte concentration in this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)
c: Although the analyte was not detected, the laboratory quantitation limit for this sample exceeds NYSDEC Groundwater Quality Standards (6 NYCRR Part 703)

Table 3
Summary of Soil Vapor Screening Data
Triumvirate Enviornmental, Inc.
42-14 19th Avenue
Astoria, New York

Soil Gas Monitoring Point	Screening Date	Concentration (ppmv)	Vacuum (inches water)	Comments
SGP-1	9/30/2008	NM	NM	pallets
SGP-2	9/30/2008	8.5	0.00	
SGP-3	9/30/2008	2.6	0.00	
SGP-4	9/30/2008	16.7	0.00	
SGP-5	9/30/2008	3.3	0.00	
SGP-6	9/30/2008	0.0	0.01	
SGP-7	9/30/2008	0.0	0.00	
SGP-8	9/30/2008	1.8	0.00	
SGP-9	9/30/2008	0.4	0.10	
SGP-10	9/30/2008	1.4	0.00	
SGP-11	9/30/2008	81.2	0.00	
SGP-12	9/30/2008	44.8	0.00	
SGP-13	9/30/2008	60.2	0.00	
SGP-14	9/30/2008	56.7	0.00	
SGP-15	9/30/2008	43.5	0.00	
SGP-16	9/30/2008	8.3	0.01	
SGP-17	9/30/2008	25.3	0.00	
SGP-18	9/30/2008	42.3	0.00	
SGP-19	9/30/2008	28.3	0.01	
SGP-20	Destroyed			
SGP-21	Destroyed			

Notes:

NM= Not Measured

ppmv- Parts Per Million by Volume

Table 4
Summary of Soil Vapor Analytical Results
Triumvirate Environmental, Inc.
42-14 19th Avenue
Astoria, New York

Analyte / Date	SGP-1			SGP-2				SGP-3			SGP-4					SGP-5					
	3/26/04	9/28/06	4/10/08	3/26/04	9/28/06	4/10/08	9/30/08	3/26/04	9/28/06	4/10/08	3/26/04	9/28/06	9/5/07	10/18/07	4/10/08	3/26/04	9/28/06	9/5/07	10/18/07	4/10/08	3/26/04
Freon 12	NA	<0.00041	<0.00041	<0.00041	<0.00041	<0.00041	<0.005	<0.00041	<0.00041	<0.00041	<0.00041	<0.00041	NA	NA	<0.00041	0.0143	<0.00041	NA	NA	<0.00041	0.0129
Chloromethane	<0.00079	<0.00079	<0.00079	0.00095	<0.00079	<0.00079	<0.005	<0.00079	<0.00079	<0.00079	0.00734	<0.00079	<0.00079	<0.00079	<0.00079	0.0024	<0.00079	<0.00082	<0.00082	<0.00079	0.00214
Freon 114	<0.00082	<0.00082	<0.00082	<0.00082	<0.00082	<0.00082	<0.005	<0.00082	<0.00082	<0.00082	0.0016	0.00471	<0.00082	<0.00082	<0.00082	<0.00082	<0.00082	<0.00097	0.00539	<0.00082	<0.00082
Vinyl chloride	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.005	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	0.00127	<0.00097	0.0171	<0.00097	0.02989	0.00076	0.0127	0.0207
Freon 11	NA	<0.00056	<0.00056	0.00128	0.00409	0.00309	<0.005	<0.00056	0.00082	0.00141	0.00262	0.00103	0.0017	0.00078	<0.00056	0.0122	0.00603	0.00223	<0.00113	<0.00056	0.0107
Chloroethane	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.005	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	0.00118	0.04431	0.00345	<0.00113	<0.00113
1,1-Dichloroethene	0.00136	<0.00061	0.00107	0.00237	0.00126	0.00265	0.56	<0.00061	<0.00061	<0.00061	0.00476	0.00083	0.00186	0.00068	<0.00061	0.0119	0.0154	1.47000	0.00749	0.0118	0.0108 !
Freon 113	0.00071	<0.00061	<0.00061	0.00917	0.03	0.00753	0.0244	0.0039	0.00524	<0.00061	0.718	0.0955	0.06364	0.00862	0.00365	0.108	0.205	3.57000	1.38000	0.0021	0.0845
cis-1,2-Dichloroethylene	1.29	0.415	0.483	1.99	3.31	1.74	3.97	1.04	0.921	0.342	1.31 *	1.39	3.21	1.37	1.02	0.829	2.38	0.84000	0.06907	0.824	0.758
1,1-Dichloroethane	0.0775	0.0801	0.0482	0.324	0.656	0.252	<0.005	0.0932	0.0838	0.0319	0.191	0.088	0.278	0.08033	0.05	0.166	0.568	1.16000	0.22100	0.103	0.261
Chloroform	0.0255	0.0233	0.0186	0.203	0.35	0.144	0.374	0.0727	0.125	0.0891	0.156	0.153	0.35	0.119	0.114	0.196	0.756	0.80700	0.04170	0.104	0.359
1,1,1-Trichloroethane	0.136	0.0596	0.0289	0.576	0.554	0.206	0.436	0.382	0.091	0.0332	0.379	0.104	0.211	0.7783	0.0424	0.316	0.392	0.03224	0.00868	0.0505	0.389
1,2-Dichloroethane	<0.00045	0.00587	<0.00045	0.0431	0.00276	0.00281	<0.005	0.0018	0.00196	0.00163	0.0645	0.00166	0.00337	0.00142	0.00184	0.0107	0.0184	<0.00039	<0.00039	0.0177	0.00903
Benzene	0.00075	<0.000386	<0.000386	0.00081	0.00079	<0.000386	<0.005	0.0007	<0.000386	<0.000386	0.023	<0.000386	<0.00039	<0.00039	<0.000386	0.00337	<0.000386	<0.00039	<0.00039	<0.000386	0.00248
Carbon Tetrachloride	<0.00065	<0.00065	<0.00065	<0.00065	<0.00065	<0.00065	<0.005	<0.00065	<0.00065	<0.00065	0.00268	<0.00065	0.00122	0.00078	<0.00065	<0.00065	0.00179	0.00308	<0.00065	<0.00065	<0.00065
1,2-Dichloropropane	0.00143	<0.00038	<0.00038	0.00304	<0.00038	<0.00038	<0.005	0.00224	<0.00038	<0.00038	0.0026	<0.00038	<0.00038	<0.00038	<0.00038	0.00285	3.79	<0.00038	<0.00038	<0.00038	0.00248
Trichloroethylene	0.318	0.319	0.171	1.34	4.22	0.896	4.38	0.909	2.05	0.314	0.899	1.71	3.14	1.11	0.415	0.714	<0.00034	4.77	1.33	0.335	0.927
trans-1,3-Dichloropropene	<0.00035	<0.00035	NA	<0.00035	<0.00035	NA	<0.005	<0.00035	<0.00035	NA	<0.00035	<0.00035	NA	NA	NA	<0.00035	<0.00035	NA	NA	NA	<0.00035
1,1,2-Trichloroethane	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.005	<0.00040	<0.00040	<0.00040	0.00083	0.00156	0.00258	<0.00040		0.00078	<0.00040	0.00408	<0.00040	<0.00040	0.00072
Toluene	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	0.00509	0.00105	<0.00095	<0.00095	0.024	<0.00095	NA	NA		0.00628	<0.00095	NA	NA	<0.00095	0.00654
Tetrachloroethylene	0.299	0.376	0.237	1.55	5.06	1.34	4.42	0.781	1.33	0.284	1.59	2.02	2.79	1.28		1.09	3.05	3.03	1.13	0.339	1.02
Chlorobenzene	<0.00044	<0.00044	NA	<0.00044	<0.00044	NA	<0.005	<0.00044	<0.00044	NA	<0.00044	<0.00044	NA	NA	NA	<0.00044	<0.00044	NA	NA	NA	<0.00044
Ethylbenzene	<0.00054	<0.00054	NA	<0.00054	<0.00054	NA	<0.005	0.00754	<0.00054	NA	0.00149	<0.00054	NA	NA	NA	0.00172	<0.00054	NA	NA	NA	0.0015
m,p-Xylene	0.00082	<0.00038	NA	<0.00038	<0.00038	NA	<0.005	<0.00038	<0.00038	NA	0.0051	<0.00038	NA	NA	NA	0.00681	<0.00038	NA	NA	NA	0.00546
Styrene	<0.00048	<0.00048	NA	<0.00048	<0.00048	NA	<0.005	0.0245	<0.00048	NA	<0.00048	<0.00048	NA	NA	NA	<0.00048	<0.00048	NA	NA	NA	<0.00048
1,1,2,2-Tetrachloroethane	<0.00051	<0.00051	<0.00051	<0.00051	0.00309	<0.00051	<0.005	<0.00051	<0.00051	<0.00051	<0.00051	0.00292	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051
o-Xylene	<0.00046	<0.00046	NA	<0.00046	<0.00046	NA	0.00528	0.00096	<0.00046	NA	0.00185	<0.00046	NA	NA	NA	0.00234	<0.00046	NA	NA	NA	0.00227
1,3,5-Trimethylbenzene	<0.00064	<0.00064	<0.00064	<0.00064	<0.00064	<0.00064	<0.005	<0.00064	<0.00064	<0.00064	0.00246	0.00065	<0.00064	<0.00064	<0.00064	0.00117	0.00206	<0.00064	<0.00064	<0.00064	0.00102
1,2,4-Trimethylbenzene	0.00184	<0.00085	NA	<0.00085	<0.00085	NA	<0.005	<0.00085	<0.00085	NA	0.00392	<0.00085	NA	NA	NA	0.118	<0.00085	NA	NA	NA	0.101
1,3-Dichlorobenzene	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.005	<0.00078	<0.00078	<0.00078	<0.00078	0.0016	<0.00078	<0.00078	<0.00078	<0.00078	0.0084	<0.00078	<0.00078	<0.00078	<0.00078
1,4-Dichlorobenzene	<0.00081	<0.00081	NA	<0.00081	<0.00081	NA	<0.005	<0.00081	<0.00081	NA	<0.00081	<0.00081	NA	NA	NA	<0.00081	<0.00081	NA	NA	NA	<0.00081
1,2-Dichlorobenzene	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.005	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008
Methyl tert-butyl ether	NA	NA	NA	NA	NA	NA	<0.005	NA	NA	NA	NA	NA	<0.0025	<0.0025	NA	NA	NA	<0.0025	<0.0025	NA	NA
Cyclohexane	NR	<0.005	<0.0025	NR	<0.005	<0.0025	<0.005	NR	<0.005	<0.0025	NA	0.00616	<0.0025	<0.0025	<0.0025	NA	0.0289	<0.0025	<0.0025	<0.0025	NA

OSHA PEL - Occupational Safety and Health Administration, Permissible Exposure Limit
All concentraqtions in parts per million.
ppm - parts per million
<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
NA - Not Reported
[1] Analytical results have been converted from ppb to ppm to match regulatory standards
[2] 100 ppm standard for m-xylene and p-xylene individually

Table 4
Summary of Soil Vapor Analytical Results
Triumvirate Environmental, Inc.
42-14 19th Avenue
Astoria, New York

Analyte / Date	SGP-6						SGP-7				SGP-8		SGP-9	SGP-10	SGP-11			SGP-12		SGP-13	
	5/4/04	6/14/04	6/14/04[2]	9/28/06	4/10/08	9/30/08	3/26/04	9/28/06	9/28/06[2]	4/10/08	3/26/04	9/10/08	3/26/04	3/26/04	5/4/04	6/14/04	9/30/08	5/4/04	6/14/04	5/4/04	6/14/04
Freon 12	<0.00041	0.0459	0.0357	<0.00041	0.00282	NA	<0.00041	<0.00041	<0.00041	0.0016	<0.00041	NA	<0.00041	<0.00041	<0.00041	<0.0041	NA	0.00074	<0.0041	<0.0041	<0.0041
Chloromethane	<0.00079	<0.0079	<0.0079	<0.00079	<0.00079	<0.005	<0.00079	0.00186	<0.00079	<0.00079	0.00266	<0.005	<0.00079	<0.00079	<0.00079	<0.0079	<0.0226	<0.00079	<0.0079	<0.0079	<0.0079
Freon 114	<0.00082	<0.0082	<0.0082	0.00543	<0.00082	<0.005	<0.00082	<0.00082	<0.00082	<0.00082	<0.00082	<0.005	<0.00082	<0.00082	<0.00082	<0.0082	<0.0226	<0.00082	<0.0082	<0.0082	<0.0082
Vinyl chloride	0.00431	<0.0097	<0.0097	0.0198	0.0116	<0.005	<0.00097	0.00425	0.00475	0.00149	0.0067	0.00603	0.00845	0.00734	0.0522	0.0591	0.0305	0.00243	<0.0097	<0.0097	0.0651
Freon 11	0.0136	<0.0056	<0.0056	0.00127	0.00478	NA	<0.00056	0.00224	0.00237	0.00316	0.0023	NA	<0.00056	<0.00056	<0.00056	<0.0056	NA	<0.00056	<0.0056	<0.0056	<0.0056
Chloroethane	0.00162	<0.0113	<0.0113	<0.00113	0.00215	<0.005	<0.00113	<0.00113	<0.00113	<0.00113	<0.00113	<0.005	0.00132	0.00142	0.00263	<0.0113	<0.0226	<0.00113	<0.0113	<0.0113	<0.0113
1,1-Dichloroethene	0.00711	<0.0061	<0.0061	0.00373	0.00408	<0.005	<0.00061	0.00085	0.00087	0.00132	0.00134	<0.005	0.00145	0.00167	0.0398	0.0329	<0.0226	0.00254	<0.0061	0.0125	0.0351
Freon 113	0.0593	0.0751	0.0607	0.0498	0.00789	<0.005	0.00475	0.0718	0.073	0.00363	0.0417	<0.005	0.00197	0.00194	0.0537	0.0214	0.0226	0.00095	<0.0061	0.0091	0.0273
cis-1,2-Dichloroethylene	1.2	0.659	<0.004	0.238	0.112	0.177	0.056	1.78	1.72	0.365	1.08	3.56	2.87	1.74	20.2	4.75	5.16	0.38	1.91	<0.004	6.35
1,1-Dichloroethane	0.48	0.193	0.555	0.12	0.0461	0.00913	0.00814	0.676	0.694	0.0358	0.0346	0.205	0.0515	0.0651	0.645	0.36	0.448	0.0141	0.0571	0.144	0.264
Chloroform	0.903	0.379	0.159	0.178	0.122	0.0411	0.0347	0.265	0.254	0.0978	0.217	0.361	0.0241	0.0311	0.0128	0.0342	0.044	<0.00049	0.0184	<0.0049	<0.0049
1,1,1-Trichloroethane	2.6	2.06	0.319	0.0686	0.0218	0.0112	0.0451	0.0688	0.071	0.0129	0.303	0.0613	0.189	0.303	6.46	3.65	0.682	0.264	0.164	1.56	2.94
1,2-Dichloroethane	0.00773	<0.0045	0.0513	0.00226	0.00557	<0.005	<0.00045	0.00245	0.0313	0.00213	0.00354	<0.005	0.00231	0.00254	0.00347	<0.0045	<0.0226	<0.00045	<0.0045	<0.0045	<0.0045
Benzene	0.00191	<0.00386	0.0067	0.00382	<0.000386	<0.005	<0.000386	<0.000386	<0.000386	<0.000386	0.00213	<0.005	0.00296	0.00245	0.00666	0.0081	<0.0226	<0.00038	<0.00386	<0.00386	<0.00386
Carbon Tetrachloride	0.00084	<0.0065	<0.0065	<0.00065	0.00117	<0.005	<0.00065	<0.00065	<0.00065	<0.00065	<0.00065	<0.005	<0.00065	<0.00065	<0.00065	<0.0065	<0.0226	<0.00065	<0.0065	<0.0065	<0.0065
1,2-Dichloropropane	<0.00038	<0.0038	<0.0038	<0.00038	<0.00038	<0.005	<0.00038	<0.00038	<0.00038	<0.00038	<0.00038	<0.005	<0.00038	<0.00038	<0.00038	<0.0038	<0.0226	<0.00038	<0.0038	<0.0038	<0.0038
Trichloroethylene	3.04	2.26	2.2	1.53	0.0765	0.451	0.101	2.18	2.07	0.132	0.727	4.2	1.89	0.697	7.12	3.82	12.1	0.296	1.82	1.74	3.12
trans-1,3-Dichloropropene	<0.00035	<0.0035	<0.0035	<0.0035	NA	<0.005	<0.00035	<0.00035	<0.00035	NA	<0.00035	<0.005	<0.00035	<0.00035	<0.00035	<0.0035	<0.0226	<0.00035	<0.0035	<0.0035	<0.0035
1,1,2-Trichloroethane	0.00174	<0.004	<0.004	0.00157	0.00103	<0.005	<0.00040	<0.00040	0.00107	<0.00040	<0.00040	<0.005	0.00078	0.00078	0.00225	<0.004	<0.0226	<0.00040	<0.004	<0.004	<0.004
Toluene	0.00131	<0.0095	<0.0095	<0.0095	<0.00095	0.00964	<0.00095	<0.00095	<0.00095	<0.00095	0.00159	0.00992	0.00111	0.00116	0.00693	<0.0095	<0.0226	0.0304	<0.0095	<0.0095	<0.0095
Tetrachloroethylene	2.4	1.19	1.19	<0.00042	0.0799	1.31	0.0656	1.02	0.94	0.104	0.375	5.76	2.67	2.67	33.6	4.02	32.7	0.863	2.25	5.28	3.44
Chlorobenzene	<0.00044	<0.0044	<0.0044	<0.00044	NA	<0.005	<0.00044	<0.00044	<0.00044	NA	<0.00044	<0.005	0.00071	<0.00044	0.00153	<0.0044	<0.0226	<0.00044	<0.0044	<0.0044	0.0098
Ethylbenzene	<0.00054	<0.0054	<0.0054	<0.00054	NA	0.0064	<0.00054	<0.00054	<0.00054	NA	<0.00054	0.00613	<0.00054	<0.00054	0.00168	<0.0054	<0.0226	0.00138	<0.0054	<0.0054	<0.0054
m,p-Xylene	0.00168	<0.0038	<0.0038	<0.00038	NA	0.0168	<0.00038	<0.00038	<0.00038	NA	<0.00038	0.0166	0.00083	0.00089	0.0059	<0.0038	<0.0226	0.00577	<0.0038	<0.0038	<0.0038
Styrene	<0.00048	<0.0048	<0.0048	<0.00048	NA	<0.005	<0.00048	<0.00048	<0.00048	NA	<0.00048	<0.005	<0.00048	<0.00048	<0.00048	<0.0048	<0.0226	0.00194	<0.0048	<0.0048	<0.0048
1,1,2,2-Tetrachloroethane	<0.00051	<0.0051	<0.0051	<0.00051	<0.00051	<0.005	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.005	<0.00051	<0.00051	<0.00051	<0.0051	<0.0226	<0.00051	<0.0051	<0.0051	0.17
o-Xylene	<0.00046	<0.0046	<0.0046	<0.00046	NA	0.00824	<0.00046	<0.00046	<0.00046	NA	<0.00046	0.00852	<0.00046	<0.00046	0.0046	<0.0046	<0.0226	0.00143	<0.0046	<0.0046	<0.0046
1,3,5-Trimethylbenzene	0.00299	<0.0064	<0.0064	0.00158	<0.00064	<0.005	<0.00064	0.00157	0.00171	<0.00064	<0.00064	<0.005	<0.00064	<0.00064	0.00406	<0.0064	<0.0226	0.00147	<0.0064	<0.0064	<0.0064
1,2,4-Trimethylbenzene	0.00309	<0.0085	<0.0085	<0.00085	NA	<0.005	0.00226	<0.00085	<0.00085	NA	0.00138	<0.005	0.00093	0.0016	0.00729	<0.0085	<0.0226	0.00475	<0.0085	<0.0085	<0.0085
1,3-Dichlorobenzene	0.00101	<0.0078	<0.0078	0.00282	<0.00078	<0.005	<0.00078	<0.00078	<0.00078	<0.00078	<0.00078	<0.005	<0.00078	<0.00078	<0.00078	<0.0078	<0.0226	<0.00078	<0.0078	<0.0078	<0.0078
1,4-Dichlorobenzene	0.00224	<0.0081	<0.0081	<0.00081	NA	<0.005	<0.00081	<0.00081	<0.00081	NA	<0.00081	<0.005	<0.00081	<0.00081	0.00359	<0.0081	<0.0226	<0.00081	<0.0081	<0.0081	<0.0081
1,2-Dichlorobenzene	<0.0008	<0.008	<0.008	0.00124	<0.0008	<0.005	<0.0008	<0.0008	<0.0008	<0.0008	<0.0008	<0.005	<0.0008	<0.0008	<0.0008	<0.008	<0.0226	<0.0008	<0.008	<0.008	<0.008
Methyl tert-butyl ether	NA	NA	NA	NA	NA	<0.005	NA	NA	NA	NA	NA	<0.005	NA	NA	NA	NA	<0.0226	NA	NA	NA	NA
Cyclohexane	NA	NA	NA	0.00173	<0.0025	<0.005	NR	<0.005	<0.005	<0.0025	NR	<0.005	NR	NR	NR	NR	<0.0226	NR	NR	NR	NR

OSHA PEL - Occupational Sa
All concentraqtions in parts p
ppm - parts per million
<x: Indicates analyte concent
NA - Not Reported
[1] Analytical results have been
[2] 100 ppm standard for m-xyl

Table 4
Summary of Soil Vapor Analytical Results
Triumvirate Environmental, Inc.
42-14 19th Avenue
Astoria, New York

Analyte / Date	SGP-14			SGP-15		SGP-16			SGP-17		SGP-18			SGP-19		SGP-20	SGP-21		Ambient	OSHA PEL
	6/18/04	4/10/08	9/30/08	6/18/04	4/10/08	6/18/04	4/10/08	9/30/08	6/18/04	4/10/08	6/18/04	4/10/08	9/30/08	6/18/04	4/10/08	6/18/04	6/18/04	6/18/04[1]	6/18/04	ppmv
Freon 12	<0.0041	<0.00041	NA	<0.0041	<0.00041	<0.0041	<0.0041	NA	<0.0041	<0.0041	<0.0041	<0.0041	NA	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	<0.00041	1000
Chloromethane	<0.0079	0.00298	<0.002	<0.0079	<0.00079	0.0398	<0.0079	<0.001	<0.0079	<0.0079	<0.0079	<0.0079	<0.002	<0.0079	<0.0079	<0.0079	<0.0079	<0.0079	<0.00079	100
Freon 114	<0.0082	<0.00082	<0.002	<0.0082	<0.00082	<0.0082	<0.0082	<0.001	<0.0082	<0.0082	<0.0082	<0.0082	<0.002	<0.0082	<0.0082	<0.0082	<0.0082	<0.0082	<0.00082	1000
Vinyl chloride	0.0113	0.0999	0.00284	0.0422	0.0259	0.0538	<0.0097	0.0108	0.0295	0.017	<0.0097	0.0188	0.02	<0.0097	<0.0097	<0.0097	0.027	0.0255	<0.00097	1
Freon 11	<0.0056	0.00121	NA	<0.0056	<0.00056	<0.0056	<0.0056	NA	<0.0056	<0.0056	<0.0056	<0.0056	NA	<0.0056	<0.0056	<0.0056	<0.0056	<0.0056	<0.00056	1000
Chloroethane	<0.0113	<0.00113	<0.002	<0.0113	<0.00113	<0.0113	<0.0113	0.00149	<0.0113	<0.0113	<0.0113	<0.0113	<0.002	<0.0113	<0.0113	<0.0113	<0.0113	<0.0113	<0.00113	1000
1,1-Dichloroethene	<0.0061	0.00514	<0.002	<0.0061	<0.00061	<0.0061	<0.0061	<0.001	<0.0061	<0.0061	<0.0061	<0.0061	<0.002	<0.0061	<0.0061	<0.0061	0.0078	<0.0061	<0.00061	NA
Freon 113	<0.0061	0.0019	<0.002	<0.0061	0.00238	0.0122	<0.0061	0.00164	<0.0061	<0.0061	<0.0061	<0.0061	0.00305	<0.0061	<0.0061	<0.0061	<0.0061	<0.0061	<0.00061	1000
cis-1,2-Dichloroethylene	0.306	0.232	0.27	<0.004	0.055	0.0998	0.0424	0.118	0.147	0.0396	0.131	0.0505	0.0637	0.0194	0.0391	0.0157	<0.004	<0.004	<0.0004	NA
1,1-Dichloroethane	0.0608	0.0371	0.0229	0.0066	0.0225	0.066	0.0094	0.0195	0.0533	0.0106	0.0248	<0.0041	0.0189	<0.0041	<0.0041	0.0075	<0.0041	0.0075	<0.00041	100
Chloroform	0.107	0.0134	0.0329	0.0135	0.00776	0.0407	<0.0049	0.0299	0.0532	<0.0049	0.12	<0.0049	0.0109	0.0384	<0.0049	<0.0049	<0.0049	<0.0049	<0.00049	50
1,1,1-Trichloroethane	0.157	0.00599	0.00492	0.0224	0.00262	0.0963	<0.004	0.00698	0.131	<0.004	0.164	<0.004	0.00405	0.0418	<0.004	0.0097	<0.004	<0.004	<0.0004	350
1,2-Dichloroethane	<0.0045	0.00253	0.00218	<0.0045	<0.00045	<0.0045	<0.0045	0.00209	<0.0045	<0.0045	<0.0045	<0.0045	<0.002	<0.0045	<0.0045	<0.0045	<0.0045	<0.0045	<0.00045	50
Benzene	0.217	<0.000386	<0.002	0.129	<0.000386	0.202	<0.00386	0.00129	0.149	<0.00386	0.026	<0.00386	<0.002	0.0398	0.0176	0.044	0.0646	0.0624	<0.000386	1
Carbon Tetrachloride	<0.0065	<0.00065	<0.002	<0.0065	<0.00065	<0.0065	<0.0065	<0.001	<0.0065	<0.0065	<0.0065	<0.0065	<0.002	<0.0065	<0.0065	<0.0065	<0.0065	<0.0065	<0.00065	10
1,2-Dichloropropane	<0.0038	<0.00038	<0.002	<0.0038	<0.00038	<0.0038	<0.0038	<0.001	<0.0038	<0.0038	<0.0038	<0.0038	<0.002	<0.0038	<0.0038	<0.0038	<0.0038	<0.0038	<0.00038	75
Trichloroethylene	0.163	0.0253	0.235	0.024	0.0238	0.104	<0.0034	0.177	0.139	<0.0034	0.179	<0.0034	0.129	0.0456	<0.0034	0.0107	<0.0034	<0.0034	<0.00034	100
trans-1,3-Dichloropropene	<0.0035	NA	<0.002	<0.0035	NA	0.0074	NA	<0.001	<0.0035	NA	<0.0035	NA	<0.002	<0.0035	NA	<0.0035	<0.0035	<0.0035	<0.00035	NA
1,1,2-Trichloroethane	<0.004	<0.0004	<0.002	<0.004	<0.0004	<0.004	<0.004	<0.001	<0.004	<0.004	<0.004	<0.004	<0.002	<0.004	<0.004	<0.004	<0.004	<0.004	<0.0004	10
Toluene	0.0317	<0.0004	0.00837	0.056	<0.0004	0.329	<0.004	0.0094	0.0751	<0.004	0.0192	<0.004	0.00746	<0.0095	<0.004	0.131	0.162	0.151	<0.00095	200
Tetrachloroethylene	0.469	0.0457	0.713	0.0248	0.0343	0.157	0.0252	0.746	0.162	0.0154	0.465	0.011	0.533	0.566	<0.0042	0.0987	0.0192	0.0181	0.00069	100
Chlorobenzene	0.0156	NA	<0.002	<0.0044	NA	<0.0044	NA	<0.001	<0.0044	NA	<0.0044	NA	<0.002	<0.0044	NA	<0.0044	<0.0044	<0.0044	<0.00044	75
Ethylbenzene	0.0945	NA	0.00421	0.0482	NA	0.109	NA	0.0064	0.0227	NA	0.0067	NA	0.00432	<0.0054	NA	0.0606	0.0868	0.0793	<0.00054	100
m,p-Xylene	0.163	NA	0.00943	0.0437	NA	0.313	NA	0.0169	0.036	NA	0.0191	NA	0.0102	0.0133	NA	0.229	0.304	0.275	0.00088	100 [2]
Styrene	<0.0048	NA	<0.002	<0.0048	NA	<0.0048	NA	<0.001	<0.0048	NA	<0.0048	NA	<0.002	<0.0048	NA	<0.0048	<0.0048	<0.0048	<0.00048	100
1,1,2,2-Tetrachloroethane	<0.0051	<0.00051	<0.002	<0.0051	<0.00051	<0.0051	<0.0051	<0.001	<0.0051	<0.0051	<0.0051	<0.0051	<0.002	<0.0051	<0.0051	<0.0051	<0.0051	<0.0051	<0.00051	5
o-Xylene	0.0235	NA	0.00491	0.012	NA	0.0945	NA	0.00858	0.0147	NA	<0.0046	NA	0.00533	<0.0046	NA	0.0916	0.119	0.112	<0.00046	100
1,3,5-Trimethylbenzene	0.0243	<0.00064	<0.002	0.0184	<0.00064	<0.0064	<0.064	<0.001	0.0149	<0.064	<0.0064	<0.064	<0.002	<0.0064	<0.064	0.0279	0.0303	0.0284	<0.00064	NA
1,2,4-Trimethylbenzene	0.045	NA	<0.002	0.457	NA	<0.0085	NA	0.00127	0.0234	NA	0.0106	NA	<0.002	0.0125	NA	0.0476	0.0484	0.046	<0.00085	NA
1,3-Dichlorobenzene	<0.0078	<0.00078	<0.002	<0.0078	<0.00078	<0.0078	<0.078	<0.001	<0.0078	<0.078	<0.0078	<0.078	<0.002	<0.0078	<0.078	<0.0078	<0.0078	<0.0078	<0.00078	NA
1,4-Dichlorobenzene	<0.0081	NA	<0.002	0.0107	NA	<0.0081	NA	<0.001	<0.0081	NA	<0.0081	NA	<0.002	<0.0081	NA	<0.0081	<0.0081	<0.0081	<0.00081	75
1,2-Dichlorobenzene	<0.008	<0.0008	<0.002	<0.008	<0.0008	<0.008	<0.008	<0.001	<0.008	<0.008	<0.008	<0.008	<0.002	<0.008	<0.008	<0.008	<0.008	<0.008	<0.0008	50
Methyl tert-butyl ether	NA	NA	<0.002	NA	NA	NA	NA	0.0028	NA	NA	NA	NA	<0.002	NA	NA	NA	NA	NA	NA	NA
Cyclohexane	0.289	<0.0025	<0.002	0.895	<0.0025	0.224	<0.025	0.00161	1.21	<0.025	0.0564	<0.025	0.00317	0.0689	<0.025	0.229	0.355	0.358	<0.005	300

OSHA PEL - Occupational Sa
All concentraqtions in parts p
ppm - parts per million
<x: Indicates analyte concent
NA - Not Reported
[1] Analytical results have been
[2] 100 ppm standard for m-xyl

Table 5
Soil Vapor Extraction System Data
TEI Facility, 42-14 19th Avenue, Astoria, NY

DATE OF VISIT		11/1/03	1/25/06	2/1/06	2/8/06	2/15/06	2/22/06	3/8/06	3/15/06	3/22/06	3/30/06	4/5/06	4/13/06	4/19/06	4/28/06	5/4/06	5/10/06	5/18/06	5/31/06	6/2/06	6/7/06	6/14/06	6/21/06	6/28/06	7/7/06	7/12/06	9/19/06	9/26/06	10/2/06	10/10/06	10/18/06	10/24/06	10/31/06	11/7/06	11/14/06	11/21/06	11/29/06	12/6/06	12/14/06	12/20/06	12/26/06	1/3/07	1/10/07	1/17/07	1/24/07	1/31/07
Days Between O & M Events		Start up	816	7	7	7	7	14	7	7	8	6	8	6	9	6	6	8	13	2	5	7	7	7	9	5	69	7	6	8	8	6	7	7	7	7	8	7	8	6	6	8	7	7	7	7
Days of Operation		0	816	823	830	837	844	858	865	872	880	886	894	900	909	915	921	929	942	944	949	956	963	970	979	984	1053	1060	1066	1074	1082	1088	1095	1102	1109	1116	1124	1131	1139	1145	1151	1159	1166	1173	1180	1187
SYSTEM STATUS (Up/Down/Off)																																													
Inner Warehouse		Start up	Down	Up	Up	Up	Up	Down	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up
19th Avenue																																													
Total Vacuum at Blower ("H20)																																												
Inner Warehouse		Start up			12	12	12	12	14	22	25	22	23	22	24	22	18	20	20	20	21	NM	21	20	21	21	NM	NM	NM	NM	NM	22	22	12	22	16	16	18	18	18	18	19	20	22	22	22
19th Avenue																																													
OFF GAS TREATMENT w/ GAC																																												
PID Readings (ppm)																																												
Inner Warehouse																																													
Influent		Start up	5.1	5.3	5.2	4.6	4.2	5.1	14.2	6	10	12.8	10	9	6	30.1	23.9	60.1	60	62.6	68.7	28.5	51.9	67.4	58.1	60.1	30.5	31.4	28.7	162	184	7.3	445	104	13.6	3	11.6	4.6	5.2	4.5	1.3	4.8	4.2	0.6	1.2	16.8
Intermediate			2.2	2.3	3	3.3	3	3	3.6	2.6	9	4	9	8	5	29.9	28.1	20	24.1	26.3	39.3	43.1	53.7	50	51.1	59.3	272	14.2	16.2	192	271	2.4	462	94.7	12.6	0.6	6.9	1.7	2.2	0.8	1.2	2.1	1.9	0.3	0.8	15.2
Effluent		Start up	0	0.7	0.9	2.3	2.1	2.8	2.0	2.1	2.0	3.1	3	2	1	29.1	34.6	29.8	30.4	34.8	0.4	0.9	0.3	0	42.1	0.3	90.0	10.8	9.6	20.1	181.0	2.2	174.0	5.3	9.6	0.5	7.2	1.6	2.1	0.6	0.8	2.5	0.3	0.2	0.2	9.4
19th Avenue																																													
Influent																																													
Intermediate																																													
Effluent																																													
OFF GAS REMOVAL EFFICIENCY																																												
Removal Efficiency %																																												
Warehouse Efficiency		Start up	100%	87%	83%	50%	50%	45%	86%	65%	80%	76%	70%	78%	83%	3%	-45%	50%	49%	44%	99%	97%	99%	100%	28%	100%	-195%	66%	67%	88%	2%	70%	61%	95%	29%	83%	38%	65%	60%	87%	38%	48%	93%	67%	83%	44%
19th Ave. Efficiency																																													
GAC CARBON CHANGEOUT		no	1	no	no	no	no	1	no	no	no	no	no	no	no	no	no	1	no	no	no	no	no	1	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no
MONITORING																																													
PID Readings (ppmv)																																													
Inner Warehouse	SVE-1	0		24.2	21.2	4.9	3.3	4.1	11.6	10.1	12.5	14.9	9.2	4.1	6.4	7	6.5	6.1	5.4	5.8	6.6	10.5	9.1	0	9.1	7.1	18.2	18	90	32	32	11	58	23	33	12	31	24.5	15	30	21	29	11.7	10	21	64
	SVE-2	NM		2.8	17.1	30.0	48.9	39.8	25.5	31.3	9.8	17.4	8.7	13.8	7.8	9.6	9.5	8.9	8.9	7.9	9.3	11.9	6.7	0	6.7	4.3	19	55	50	57	39	14	60	18	23	15	20	31	53	46	52	33	33	8.8	11	54
	SVE-3	>25		2.9	12.9	15.0	15.2	10.5	27.1	30.1	15.9	29.9	26.4	25.1	20.2	20	24.4	23.1	21.1	20	11.8	16.6	10.5	0	10.1	20	20	85	86	60	48	18	66	14	19	16	22	31	76	83	68	65	42	2.1	7.5	70
	SVE-4	>25		78.4	73	3.90	7.1	9.9	18.2	23.3	13.7	15.3	19.8	19.9	18.4	25	27.8	25	14.2	16.5	17.2	14	12.1	0	12.1	19.1	24	65	66	43	38	18	64	37	20	21	21	21	54	38	50	67	28	7.5	38	37
	SVE-5	NM		12.9	9.7	1.4	2.8	3.6	21.4	13.1	9	2.4	12.6	8	7.6	7	7.5	7.9	9.1	8.6	9.2	12.4	12.2	0	12.2	36.4	21	65	60	41	34	14	70	21	26	16	20	24	49	30	48	49	15.2	3.1	17	41
	SVE-6			15.1	11.2	71.4	68.5	70.9	72.7	55.4	37.7	33.7	30.1	26.5	29.7	31	28.4	30	29.9	30	9.5	37.2	29	16.9	16.9	48	71	98	101	76	51	44	56	26	20	15	33	70	47	27	62	51	47	2.9	43	51
	SVE-7	NM		9.8	9.7	6.2	6.3	8.1	19.4	23.3	19.8	29.8	28.7	26.4	18	21	22.1	19.8	15.7	16.7	13.6	12.7	16	0	14.1	12	18	61	59	44	31	17	53	18	18	18	19	30	57	49	53	74	71	1.4	29	33
	SVE-8	NM		0.9	1	0.8	1.8	2	38.5	41.1	32.8	28	31.8	34.2	30.6	21	18.3	21	23.2	24.4	22.8	22.1	17.1	0	9.1	11	22	55	40	33	38	20	40	21	21	24	26	28	55	63	54	63	32	6.6	25	70
	HSVE-1	0		2	1.2	2.5	2.9	2.8	1.8	0.3	0.5	0.9	0.7	0	0.3	0.5	0.7	0.1	0.5	0	0	0.8	0.1	0	0.2	0.1	2.8	54	58	17	15	6.8	24	29	25	18	26	57	92	176	87	90	5.6	0.8	9.6	21
	HSVE-2	NM		2.1	3.9	1.9	2.1	3.1	2.1	0.8	0.9	1.1	0.4	0.5	1	1.1	1	0.5	0	0	0	1.5	0.9	0	0.1	2.1	8	30	47	3.2	3.1	6.2	27	3.2	28	18	20	15	96	99	90	94	8.2	0.2	13.4	42
	HSVE-3	>25		12	9.7	11.3	11.3	12.1	13.1	7.1	6.2	7.9	6.4	6.9	6.6	6.9	7.1	3.4	1.1	2.5	1	4.2	1.2	0	1.5	3.4	1.2	56	39	18	17	13.7	31	10.6	32	24	33	101	94	250	79	78	18	1	10.8	31
	HSVE-4	>25		6.5	1.4	5.90	6.3	8.1	6.7	0.5	0.6	0.7	0.8	0	4.6	10.2	16.9	10.2	9	10.5	14.9	13.8	4.3	0	2.7	1.1	3	49	52	30	17	11	32	3.6	32	13	30	89	87	102	80	83	10.8	1.1	22.3	59
	HSVE-5	NM		17	1.5	16.0	16	13.9	0.9	8.7	7.8	10.2	8.7	8	8.1	6.7	2.3	0.1	1	0	1	3	3.9	0	3.1	1	3.4	41	42	24	23	16	38	19	38	20	35	89	74	89	73	81	6.4	0.7	10.2	30
	HSVE-6			13.9	2.3	11.7	11.8	9.9	1.5	7.2	4.7	4.3	4.4	3.8	23.5	10.9	0.2	0	0.9	3	20.9	6.5	2.1	0	1.1	4.7	0	10	19	4.2	16	14	28	19	29	3.5	27	63	80	144	68	72	23	0.8	8.6	19
	HSVE-7	NM		1.4	2.1	3.1	1.8	0.9	8.1	0.3	0.5	0.7	0.1	0.8	0.3	0.5	0.1	0	0.1	0	0	0.1	1	1	2.1	3.9	0	36	11	14	8.6	4.2	22	24.5	23	16	24	83	70	120	70	71	8.9	0.7	12	27
Inner Warehouse	SW-Deep																																													
	SE-Deep																																													
	NW-Deep																																													
	NE-Deep																																													
	MW-31 Horizontal-Deep																																													
	MW-31 Horizontal-Shallow																																													
	MW-12S																																													
	MW-12I																																													
	MW-31																																													
Measured Vacuum ("H2O)																																													
Inner Warehouse	SVE-1	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	SVE-2	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	SVE-3	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	SVE-4	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	SVE-5	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	SVE-6	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	SVE-7	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	SVE-8	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	HSVE-1	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	HSVE-2	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	HSVE-3	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	HSVE-4	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	HSVE-5	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	HSVE-6	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	HSVE-7	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Inner Warehouse	SW-Deep																																												
	SE-Deep																																													
	NW-Deep																																													
	NE-Deep																																													
	MW-31 Horizontal-Deep																																													
	MW-31 Horizontal-Shallow																																													
	MW-12S																																													
	MW-12I																																													
	MW-31																																													
SVE Blower																																													
Pressure ("H2O)																																													
Inner Warehouse		Start up	1		15	17	12	12	16	11	14	12	13	13	11	12	12	12	12	12	11	NM	11	10	11	11	10	10	9	10	8	10	8	10	8	10	10	10	10	10	9	10	12	10	10	10
19th Avenue																																													
AS Compressor Status		up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up

Table 5
Soil Vapor Extraction System Data
TEI Facility, 42-14 19th Avenue, Astoria, NY

DATE OF VISIT	2/16/07	2/20/07	2/26/07	3/14/07	3/21/07	3/28/07	4/5/07	4/11/07	4/18/07	4/25/07	5/2/07	5/9/07	5/17/07	5/23/07	5/30/07	6/6/07	6/15/07	6/22/07	6/28/07	7/5/07	7/12/07	7/19/07	7/26/07	8/2/07	8/9/07	8/17/07	8/23/07	8/30/07	9/7/07	9/10/07	9/11/07	9/12/07	9/13/07	9/18/07	9/20/07	10/4/07	10/10/07	10/17/07	10/26/07	11/2/07	11/8/07	11/15/07	11/21/07	11/30/07	12/7/07	12/11/07
Days Between O & M Events	16	4	6	16	7	7	8	6	7	7	7	7	8	6	7	7	9	7	6	7	7	7	7	7	8	6	7	8	3	1	1	1	5	2	14	6	7	9	7	6	7	6	9	7	4
Days of Operation	1203	1207	1213	1229	1236	1243	1251	1257	1264	1271	1278	1285	1293	1299	1306	1313	1322	1329	1335	1342	1349	1356	1363	1370	1377	1385	1391	1398	1406	1409	1410	1411	1412	1417	1419	1433	1439	1446	1455	1462	1468	1475	1481	1490	1497	1501
SYSTEM STATUS (Up/Down/Off)																																													
Inner Warehouse	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Startup	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up
19th Avenue																																													
Total Vacuum at Blower ("H20)																																													
Inner Warehouse	12	20	22	10	10	10	12	10	12	12	12	11	12	12	12	14	12	14	14	14	NM	14	10	10	12	9	9	10	8	NM	NM	NM	8	NM	10	8	10	9	10	10	10	10	12	8	10	8
19th Avenue																													2	2	22	26	18	18	8	8	18	24	22	22	22	22	22	NO	NO	NO
OFF GAS TREATMENT w/ GAC																																													
PID Readings (ppm)																																													
Inner Warehouse																																													
Influent	3.3	2.8	6.9	2.5	2.2	2.7	2.5	2.6	2.3	2.8	2.6	6.8	2.9	8.2	4.4	4.3	13.6	5.2	5.1	8.2	6.2	22.4	5.6	7.3	7.5	8.7	20.3	6.7	4.8	NM	NM	NM	12.3	NM	21.4	18.2	26.7	41.3	13.6	5.1	4.1	9.1	13.5	4.8	11.6	4.3
Intermediate	0	0.5	0.5	0.2	0	0.1	0.2	0.3	0.2	0.2	0.3	2.4	0.4	6.5	1.8	0.7	12.9	3.6	2.9	3.6	1.4	33.2	1.9	35	0.8	1.2	21.7	0.7	0.3	NM	NM	NM	5.4	NM	10.6	7.3	13.1	30.2	6.1	0.6	8	6.6	10.1	2.1	2.4	0.9
Effluent	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	2.3	0.2	7.7	10.7	0.4	4.6	1.4	4.9	5.3	3.5	10.8	8.2	103.0	0.0	1.6	12.6	5.4	2.8	NM	NM	NM	4.6	NM	9.0	5.1	8.0	47.3	4.8	0.4	6.6	8.8	7.2	0.6	2.6	0.7
19th Avenue																													26.8	8	8	1.3	1.7	0.6	11.8	8.7	2.6	18.4	13.7	1.1	2.6	6.8	8.4	NM	NM	NM
Influent																													18.4	2.5	4	0	0.7	0	8.3	7	1.1	69.1	10.6	0.2	3.2	2.2	9.6	NM	NM	NM
Intermediate																													3.3	1.5	0.0	0.0	1.1	0.0	2.1	4.1	0.6	61.9	6.4	0.1	1.7	3.0	5.1	NM	NM	NM
Effluent																																													
OFF GAS REMOVAL EFFICIENCY																																													
Removal Efficiency %																																													
Warehouse Efficiency	100%	96%	96%	100%	100%	100%	100%	100%	10%	100%	96%	66%	93%	6%	-143%	91%	66%	73%	4%	35%	44%	52%	-46%	-1311%	100%	82%	38%	19%	42%				63%		58%	72%	70%	-15%	65%	92%	-61%	3%	47%	88%	78%	84%
19th Ave. Efficiency																													88%	81%	100%	100%	35%	100%	82%	53%	77%	-236%	53%	91%	35%	56%	39%			
GAC CARBON CHANGEOUT	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	1	no	no	no	no	no	no	no	2	1	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no
MONITORING																																													
PID Readings (ppmv)																																													
Inner Warehouse SVE-1	0.1	0.3	11.6	15.2	6.6	7.2	2.7	12.3	3.2	10.2	20	4.9	22	6.5	7.2	4.3	10.2	8.6	6.8	10	13.4	34	43	7.7	4.4	14.2	8.6	15.2	18.6	NM	NM	NM	20.2	NM	24.8	34	17	23	29	5.4	13.4	23	31	14	23	6.4
Inner Warehouse SVE-2	0.2	0.3	10.4	40	6.7	8.1	12.8	8.5	9.4	6.4	11	9.6	18	21	13.8	14.9	7.9	22.2	18	20	38	83	64	25	22	18.6	16.4	31	33	NM	NM	NM	19	NM	32	43	42	43	51	3.8	7.4	10	26	27	18	18
Inner Warehouse SVE-3	0.1	0.2	26	52	33	33	6.7	26.8	11.4	25	28	23	30	15	12.2	10.6	13.8	10.7	15	30	45	87	31	42	17	22	29	29	15	NM	NM	NM	30	NM	16.2	20	30	64	48	6	8.9	9.6	26	17	18	11
Inner Warehouse SVE-4	0.1	0.2	22	37	20	8.9	16.5	10.2	18.6	18	8.5	13	8.9	8.8	12.8	10.8	40	13.8	50	12	15	133	11	73	20	23	15	41	26	NM	NM	NM	15.6	NM	40	16	18	33	20	3.5	5.5	34	12	28	8	8.1
Inner Warehouse SVE-5	0.1	0.2	38	19	7.4	26	11.1	30	10.5	13	12	10	16.1	10.6	11.4	15.7	12.2	20.4	32	25	23	92	29	11	14	19	22	16	45	NM	NM	NM	10.2	NM	11.9	19	28	14	11	5.3	5.6	16	28.2	37	13	9
Inner Warehouse SVE-6	0.1	0.2	17	56	54	50	51	39	10.2	13	13	74	69	58	67	40	52	28.6	21	37	11	58	30	19	26	18	40	17	23	NM	NM	NM	28	NM	20	20	12	27	37	5	16.8	10	11	18	20	14
Inner Warehouse SVE-7	0.1	0.3	22	48	29	16	15	18	20.2	23	32	20	16	7.3	14.8	23	20	19	9.6	11	8.4	35	48	30	25	24	21	25	27	NM	NM	NM	29	NM	7.3	6.8	9.3	10	11	7.1	9.7	8	6.5	11	17	7.7
Inner Warehouse SVE-8	0.1	0.3	22	33	14	4.5	10.1	8	8.8	11	16	14	13	18	14.2	12	10.6	10.4	13	10	15	47	16	26	18	15	12	30	17	NM	NM	NM	18	NM	13	16	17	17	8.4	6	4.4	9.3	6.7	8.9	10	5
Inner Warehouse HSVE-1	0.1	0.8	5.8	4.6	3.8	4.5	4.5	5.2	4.1	6.3	8.4	5.3	6.2	6.2	9.6	4.7	8.3	6.5	9.4	7.3	9.9	51	10	10	13	11	19	9.6	13.3	NM	NM	NM	13.9	NM	8.5	7.3	10.6	9.7	10	11	22.2	30	16	9.4	15	21
Inner Warehouse HSVE-2	0.1	2.9	6.2	8	5.5	8.6	4.1	6.1	7.2	7.1	12	8.4	10	8.2	7.2	5.9	10	5.4	14	6.2	13	58	6.7	12	15	12	11	11.3	8.7	NM	NM	NM	8.4	NM	18.5	10.5	7.1	13	8.2	11.5	11.8	22	31	15	37	11
Inner Warehouse HSVE-3	0.1	0.5	23	7.5	4.8	7.8	4	5.8	6.5	4.6	6.2	8.1	15	16	29	16	20	18.3	19	16	10	59	8.4	18	13	29	36	22	28	NM	NM	NM	18	NM	24	22	19	29	13.4	17	13.6	11	20	23	22	12
Inner Warehouse HSVE-4	0.2	0.5	4.9	7.8	8.2	6.1	7.7	8	4.3	11.2	10	3.5	4.9	4.7	6.7	8.2	7.2	9.7	8.3	8.8	7.3	42	28	26	17	12	22	16	11.6	NM	NM	NM	29	NM	11.6	10.3	8.6	25	6.6	6	8.1	14	11	10.9	19	6.2
Inner Warehouse HSVE-5	0.1	1.6	15	19.6	15.6	18	16.8	11.2	15.8	6.6	4.3	18.8	22	19	23	20	26	21.1	5.6	28	6.2	77	32	31	30	23	13	8.4	9.9	NM	NM	NM	13.1	NM	11.4	8.6	6	18	7.4	21	18.6	21	13	30	24	7.2
Inner Warehouse HSVE-6	0.1	0.3	16	4.6	5.3	2.1	5.6	7.4	1.7	4.8	7.6	0.7	1	0.9	1.2	3.2	2.2	4.2	25	30	3.4	33	11	0.4	2.1	2.8	8.3	1.1	2	NM	NM	NM	8.7	NM	6.1	4.4	10	8.1	5.4	15	10	8.2	6.2	6.6	10	4.8
Inner Warehouse HSVE-7	0.1	0.5	1.2	5.2	8.8	2.5	5.1	7.8	2.6	7.4	10.4	0.5	1	1.2	0.9	2.2	1.1	3	0.5	4.3	29	28	5.3	0	2.4	1.3	5.5	0.4	1.4	NM	NM	NM	2	NM	2.8	3	5.4	8.5	4.8	0.1	1.1	3	4.1	3.4	6.2	9.1
Inner Warehouse SW-Deep																													NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Inner Warehouse SE-Deep																													NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Inner Warehouse NW-Deep																													NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Inner Warehouse NE-Deep																													NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Inner Warehouse MW-31 Horizontal-Deep																													NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Inner Warehouse MW-31 Horizontal-Shallow																													NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Inner Warehouse MW-12S																													NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Inner Warehouse MW-12I																													NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Inner Warehouse MW-31																													NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
Measured Vacuum ("H2O)																																													
Inner Warehouse SVE-1	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Inner Warehouse SVE-2	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Inner Warehouse SVE-3	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Inner Warehouse SVE-4	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Inner Warehouse SVE-5	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Inner Warehouse SVE-6	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Inner Warehouse SVE-7	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Inner Warehouse SVE-8	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Inner Warehouse HSVE-1	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Inner Warehouse HSVE-2	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Inner Warehouse HSVE-3	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Inner Warehouse HSVE-4	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Inner Warehouse HSVE-5	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Inner Warehouse HSVE-6	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
Inner Warehouse HSVE-7	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inner Warehouse SW-Deep																													100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inner Warehouse SE-Deep																													100	100	100	100	100	100	100	100	100	0	0	0	0	0	0	0	0	0	0
Inner Warehouse NW-Deep																													100	0	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100
Inner Warehouse NE-Deep																													100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inner Warehouse MW-31 Horizontal-Deep																													100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inner Warehouse MW-31 Horizontal-Shallow																													100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inner Warehouse MW-12S																													100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inner Warehouse MW-12I																													100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inner Warehouse MW-31																																													
SVE Blower																																													
Pressure ("H2O)																																													
Inner Warehouse	10	9	8	12	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	NM	10	14	15	8	11	10	8	NM	NM	NM	NM	10	NM	16	10	10	10	10	10	8	8	8	10	12	12
19th Avenue																												10	9	10	9	8	8	8	10	10	12	6	6	6	6	6	10	NO	NO	NO
AS Compressor Status	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up

Table 5
Soil Vapor Extraction System Data
TEI Facility, 42-14 19th Avenue, Astoria, NY

DATE OF VISIT	12/21/07	12/27/07	1/3/08	1/11/08	1/17/08	1/25/08	1/31/08	2/8/08	2/15/08	2/21/08	2/28/08	3/7/08	3/13/08	3/28/08	4/4/08	4/11/08	4/18/08	4/25/08	5/2/08	5/9/08	5/15/08	5/23/08	5/29/08	6/5/08	6/12/08	6/20/08	6/26/08	7/3/08	7/10/08	7/17/08	7/25/08	7/31/08	8/7/08	8/14/08	9/11/08	9/18/08	9/30/08	10/15/08	11/4/08
Days Between O & M Events	10	6	7	8	6	8	6	8	7	6	7	8	6	29	7	7	7	7	7	7	6	8	6	7	7	8	6	7	7	8	6	7	7	28	7	12	15	20
Days of Operation	1511	1517	1524	1532	1538	1546	1552	1560	1567	1573	1580	1588	1594	1609	1616	1623	1630	1637	1644	1651	1657	1665	1671	1678	1685	1693	1699	1706	1713	1720	1728	1734	1741	1748	1776	1783	1795	1810	1830
SYSTEM STATUS (Up/Down/Off)																																						
Inner Warehouse	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Down	Down	Down	Up	Up
19th Avenue	Up	Up	Up	Up	Up	Up	Up	Up	Down	Down	Down	Down	Down	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up
Total Vacuum at Blower ("H20)																																						
Inner Warehouse	8	8	6	8	8	10	8	6	6	8	8	8	6	8	8	10	12	8	8	10	12	12	12	12	12	12	10	12	12	12	10	12	12	10	10	10	4.6	5	4.2
19th Avenue	20	18	26	20	18	18	18	10	NO	NO	NO	NO	NO	20	18	18	18	16	16	8	12	14	14	14	14	22	22	22	20	20	20	20	22	18	22	18	20	34	18
OFF GAS TREATMENT w/ GAC																																						
PID Readings (ppm)																																						
Inner Warehouse																																						
Influent	2.5	4.1	0.1	1.3	2.6	4.1	1.4	2	0.8	0.6	0.8	1.3	1.8	5.5	6.6	7	6.4	4.3	2.6	1.1	3.6	5.8	6.3	5.8	4	3.7	3.6	4.8	3.7	5.6	4.7	3.6	2.6	4.2	6.2	4.8	2.5	5.3	0.7
Intermediate	1.1	2.8	0	0.9	1.9	4.6	0.6	1.6	0.2	0.4	0.5	1	1	2.3	2.8	4.3	3.8	1.3	1.4	0.8	3	3.2	4.2	3.2	2.7	2.1	2.4	2.4	2.2	3.1	2.3	1.8	1.4	2.3	4.6	2.7	2	4.9	1.8
Effluent	0.6	1.1	0.4	0.3	1.0	1.3	0.2	0.5	0.0	0.2	0.2	0.6	0.4	0.3	1.2	1.8	2.0	0.8	0.6	0.2	2.4	1.1	1.6	0.9	0.7	1.2	1.0	1.1	1.0	1.1	1.1	1.0	0.8	1.0	2.1	1.0	0.8	0.7	1.3
19th Avenue																																						
Influent	0.8	1.3	0.8	2.6	1.2	2.6	2.2	1.4	NM	NM	NM	NM	NM	0.7	1.1	2.4	3.1	0.6	0.4	0.8	1.6	2.7	4.4	5.1	3.7	2.9	21	2.6	2	2.6	4.3	2.8	2.4	2.8	3.5	2.1	2	0.1	0
Intermediate	0.6	0.8	0.3	1.3	0.6	1	1.1	1	NM	NM	NM	NM	NM	0.2	0.9	1.3	1	0.4	0.2	0.2	0.8	1.8	1.8	2	2	1.4	1.2	1.3	1.1	1.4	1.7	1.4	1	1.6	1.9	1.3	0.8	0	0
Effluent	0.3	0.4	0.2	0.8	0.9	0.6	0.6	0.5	NM	NM	NM	NM	NM	0.0	0.2	1.0	0.4	0.2	0.2	0.2	0.2	1.0	0.9	0.9	1.0	0.8	0.3	0.8	0.2	0.4	0.4	0.3	0.2	0.4	1.0	0.5	0.0	0.0	0.0
OFF GAS REMOVAL EFFICIENCY																																						
Removal Efficiency %																																						
Warehouse Efficiency	76%	73%	-300%	77%	62%	68%	86%	75%	100%	67%	75%	54%	78%	95%	82%	74%	69%	81%	77%	82%	33%	81%	75%	84%	83%	68%	72%	77%	73%	80%	77%	72%	69%	76%	66%	79%	68%	87%	-86%
19th Ave. Efficiency	63%	69%	75%	69%	25%	77%	73%	64%						100%	82%	58%	87%	67%	50%	75%	88%	63%	80%	82%	73%	72%	99%	69%	90%	85%	91%	89%	92%	86%	71%	76%	100%	100%	
GAC CARBON CHANGEOUT	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no
MONITORING																																						
PID Readings (ppmv)																																						
Inner Warehouse	SVE-1	16	22	17	23	30	30	10.3	7.8	7.6	5.2	6.3	7.1	7.8	18	11	20	16	4.2	7.1	11	8.9	14	8.9	11	15	11	10	8.6	11	13	10	8.8	9.4	8.1	10	7.6	22	0	0.3
	SVE-2	8.3	12	11	17	27	17	6.4	3	3.8	8.6	5.9	6.5	9.2	9.1	19	19	19	9.8	4.8	9.8	14	11	13	15	11	16	14	14	13	19	13	12	14	11	14	9.8	4.8	2.1	0.8
	SVE-3	24	8.4	21	21	16	33	5.7	1.1	9.1	7.2	5.1	5.4	6.9	20	26	34	24	5.2	6.2	12	24	7.4	11	11	7.3	11	19	20	8.9	9	9.2	12	12	14	19	12	3.4	0	0.2
	SVE-4	29	14	28	15	18	16	13	2.6	6.5	10	4.3	8.6	3.2	11	17	12	11	14	9.8	20	10	8.9	21	16	9.4	8.1	11	11	11	11	16	9.6	9.6	10	14	11	3.1	0	0
	SVE-5	32	29	9	11	12	11	19	3.4	2.9	6.8	5.2	10	11	16	34	7.6	16	10	13	13	11	19	9.1	9	12	13	8.4	22	7.4	7.6	8.5	13	18	17	22	8.8	5.8	2.7	0
	SVE-6	18	19	11	27	8.5	19	8.9	10	3.7	7.9	3.4	6.2	7.1	8.8	19	23	20	7.6	9.4	7.8	9.2	11	10.5	12	12	13	12	14	8.4	13	8.8	13	11	9.1	18	7.4	3.9	14.4	2.7
	SVE-7	10	11	7.5	9.1	12	21	11.2	5.6	8.6	7.5	5.2	6	9.1	24	15	11	7.8	7.1	7.3	5.7	7	9.6	8.6	13	13	9.1	9.4	9.2	6.3	11	15	10	10	8.8	11	6.9	3.8	0	0
	SVE-8	17	7	4.2	13	22	18	5.3	4.7	5.2	5.1	4.4	5.8	6.4	10	17	11	13	3.9	5.6	6.2	7.1	9.4	7.4	10	9.6	9.8	9.8	11	7.8	11	11	9.4	11	9.4	9.5	8.1	3.8	0	0
	HSVE-1	20	8.5	6.6	12	15	11	13	4.8	2.6	6.2	5.1	9	2.5	6.3	8.6	7.2	9.2	8.8	6.1	4.8	6.7	9.1	6.3	7.7	6.2	4.2	7.3	5.6	4.8	3.1	6.4	4.3	8.5	6.4	7.8	5.1	7	2.4	0
	HSVE-2	12	17	9.4	9.8	21	14	8.6	9.2	4.2	4.9	4	7.4	4.2	18	9.3	11	18	6.5	10.4	9.6	5.4	10	11	13	12	8.2	7.4	6.4	11	13	11	12	8.1	8.6	9.1	5.9	7	4.9	4	0
	HSVE-3	15	33	12	26	33	29	17	6.6	5.1	5.7	4.2	11	10	29	13	25	19	18	7.4	12	9.8	6.4	13	12	8.2	7.4	6.4	11	13	11	12	8.1	8.6	9.1	5.9	7	4.9	4	0
	HSVE-4	30	21	20	14	15	29	6.2	5.2	9.3	4.1	6.1	6.7	14	15	27	15	12	11	9.1	7.2	14	8.3	8	9.6	13	12	11	16	8.8	11	17	8.6	7.2	12	9.7	7.4	4.6	0.7	0.5
	HSVE-5	17	16	14	12	11	13	15	3.2	6.2	6.8	18	18	9.4	11	14	19	4.3	9.3	6.5	8.2	9.4	15	8	8.5	11	11	12	12	10	8.8	11	11	10	11	11	9.1	3.4	1.8	0
	HSVE-6	8.3	9.4	8.8	10	10	10	9.3	1.8	5.6	5.4	15	15	15	10	8.5	17	11	5.1	4.8	5	5.1	4.3	6	8.2	9.2	7	6.2	9.1	6.3	6	9.3	9.1	7.1	7.3	6.4	8.5	6.8	3.6	0	0
	HSVE-7	6.1	6	6.2	7.5	7.5	9	14	1.4	2.4	3	27	20	6.8	5.1	7.8	14	8.9	3.8	5	5.1	4.3	6	8.2	9.2	7	6.2	9.1	6.3	6	9.3	9.1	7.1	7.3	6.4	8.5	6.8	3.6	0	0
Inner Warehouse	SW-Deep	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	0.5	0	0
	SE-Deep	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	0.7	0	0
	NW-Deep	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	2.1	0	0
	NE-Deep	18	20	24	22	20	18	18	16	NM	NM	NM	NM	NM	18	18	18	18	18	18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	3	0	0
	MW-31 Horizontal-Deep	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	3	0	0
	MW-31 Horizontal-Shallow	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.6	0	0
	MW-12S	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.2	0	0
	MW-12I	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	4.6	0	0
	MW-31	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM			
Measured Vacuum ("H2O)																																						
Inner Warehouse	SVE-1	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	75
	SVE-2	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	75
	SVE-3	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	75
	SVE-4	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	SVE-5	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	75
	SVE-6	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	75
	SVE-7	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	75
	SVE-8	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	75
	HSVE-1	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	70
	HSVE-2	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50
	HSVE-3	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50
	HSVE-4	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50
	HSVE-5	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50
	HSVE-6	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50
	HSVE-7	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50
Inner Warehouse	SW-Deep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	40	25
	SE-Deep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	30	25
	NW-Deep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	20	25
	NE-Deep	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	30	25
	MW-31 Horizontal-Deep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	25
	MW-31 Horizontal-Shallow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	50	25
	MW-12S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	50	25
	MW-12I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	50	25
	MW-31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
SVE Blower																																						
Pressure ("H2O)																																						
Inner Warehouse	7	10	12	12	10	10	20	18	10	10	10	10	10	20	12	12	12	10	10	10	10	10	12	10	10	10	10	10	10	10	10	10	10	10	10	1	2	0.5
19th Avenue	12	8	6	8	8	10	10	8	NO	NO	NO	NO	NO	2	2	2	2	2	8	8	8	10	10	10	10	6	6	6	6	6	8	10	10	10	10	10	1	1	1
AS Compressor Status	up	up	up	up	up	up	down	down	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up	up

TABLE 6

SUMMARY OF GROUNDWATER MANN-KENDALL STATISTICAL TREND ANALYSIS

TEI FACILITY

42-14 19TH AVENUE

ASTORIA, NY

Summary of Trend

Well	Tetra-chloroethene	Tri-chloroethene	1,1,1-Tri-chloroethane	1,1-Dichloroethane	cis-1,2-Dichloroethene	Vinyl chloride	Benzene	Toluene	Ethyl-benzene	Total Xylenes
MW-5 (6)	-11	-11	-11	-8	-7	1	-11	-11	-11	-11
MW-6 (10)	-11	-11	-11	-11	-20	-20	-36	-14	-14	-14
MW-7 (9)	-14	-7	-14	-14	-12	-13	-30	-14	-6	-8
MW-12S (10)	-15	-14	-22	-27	-23	-22	7	-11	-7	-15
MW-12I (10)	-27	-32	-12	-5	3	6	-11	-11	-27	-32
MW-13S (9)	-16	-16	-16	-19	-19	-17	-7	-16	-18	-13
MW-16 (9)	-25	-20	-20	-20	-20	-17	-20	-11	1	-15
MW-19S (10)	-11	-13	-20	-7	-4	-1	-19	-14	-14	-14
MW-19I (10)	-27	-27	-27	-27	-28	-19	-29	-27	-27	-22
MW-20S (10)	-13	-13	-7	-11	-7	-9	-15	-7	-13	-27
MW-20D (10)	-29	-29	-31	-9	-25	-3	-19	-12	-18	-13
MW-22S (9)	-22	-12	-20	-23	-24	21	-5	-12	-11	-12
MW-23R (8)	-7	-9	-13	-13	-13	-13	-11	-4	-4	-4
MW-24(10)	-15	-15	-15	-14	-14	3	-10	-14	-15	-19
MW-25 (10)	-7	-16	-16	-21	-20	-28	6	-22	-22	16
MW-26 (8)	-8	-15	-21	-18	-21	-14	-16	4	-8	-8
MW-27(10)	-2	-13	-13	-4	15	1	7	-15	-10	-5
MW-28S (8)	-20	-20	-20	-20	-20	-8	-22	-7	-22	-18
MW-28D (6)	-10	-10	-10	-13	-14	-5	-13	-11	-11	-9
MW-29S (8)	-23	-22	-17	-21	-25	-19	-28	-21	-21	-18
MW-29D (6)	-9	-8	-11	-8	-12	7	-10	-11	-11	-9
MW-30 (5)	-2	0	-5	-4	2	-4	-6	-5	-5	-5
MW-31(10)	21	4	-18	-21	14	27	2	-25	-18	-15
MW-32 (5)	-7	-7	-7	-4	-4	0	-4	-5	-6	2
MW-33 (10)	-23	-13	-16	-27	-11	-10	-15	-15	-14	-15
MW-34 (10)	-21	2	-21	-26	3	0	-32	-32	-32	-26
MW-35 (6)	13	11	11	9	-1	5	0	3	-7	-7
MW-36 (6)	-6	0	2	-2	-3	-2	3	-4	-7	-3
PZ-1 (9)	-10	-3	-11	-8	-14	-16	-7	-7	-17	-15
APMW-1 (4)	-2	0	-5	0	-2	0	-1	-2	0	-3
APMW-2 (4)	-4	-2	-5	0	0	-2	-1	-2	0	-3

Notes: Total number of sampling events is shown in parenthesis

Mann-Kendall Statistics (S) are dervived by performing the Mann-Kendall Test for trend using groundwater sampling analytical data collected during the period of 1995 through September 30, 2009. Negative and positive values indicate the changes in geometry of the dissolved contamination observed. In this test, results can vary from 0, indicative of stable/unchanging dissolved analyte concentrations or an insufficient data set to complete the test, to negative or positive values indicative of diminishing or increasing trends in dissolved concentrations, respectively.

Shaded areas are at or above 90th percentile confidence value

Bolded values represent an increasing trend at or above 90th percentile confidence value

For the purpose of this evaluation, it assumed that the non-detect analytical results are equal to the reporting detection limit

Confidence Level Chart

	Total Number of Sampling Events						
S-Value	4	5	6	7	8	9	10
0	No Trend Indicated						
±1							
±2							
±3							
±4							
±5	Trend Probably Present (90% Confidence)						
±6							
±7							
±8							
±9							
±10							
±11							
±12							
±13							
±14							
±15							
±16							
±17							
±18							
±19							
±20							

APPENDIX A

ALPHA ANALYTICAL

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com
MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: Triumvirate Environmental, Inc.
Address: 31 Granite Street
Milford, MA 01757
Attn: Mr. Craig Sasse
Project Number: 750

Laboratory Job Number: L0814560
Date Received: 01-OCT-2008
Date Reported: 07-OCT-2008
Delivery Method: Alpha
Site: ASHORIA, NY

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0814560-01	PZ-1	TRIUMVIRATE, NY
L0814560-02	MW-5	TRIUMVIRATE, NY
L0814560-03	MW-16	TRIUMVIRATE, NY
L0814560-04	APMW-1	TRIUMVIRATE, NY
L0814560-05	APMW-2	TRIUMVIRATE, NY
L0814560-06	MW-29	TRIUMVIRATE, NY
L0814560-07	MW-33	TRIUMVIRATE, NY
L0814560-08	MW-34	TRIUMVIRATE, NY
L0814560-09	MW-29D	TRIUMVIRATE, NY
L0814560-10	MW-19I	TRIUMVIRATE, NY
L0814560-11	MW-19S	TRIUMVIRATE, NY
L0814560-12	MW-6	TRIUMVIRATE, NY
L0814560-13	MW-32	TRIUMVIRATE, NY
L0814560-14	MW-24	TRIUMVIRATE, NY
L0814560-15	MW-20D	TRIUMVIRATE, NY
L0814560-16	MW-20S	TRIUMVIRATE, NY
L0814560-17	MW-26	TRIUMVIRATE, NY
L0814560-18	MW-25	TRIUMVIRATE, NY
L0814560-19	MW-22S	TRIUMVIRATE, NY
L0814560-20	MW-27	TRIUMVIRATE, NY
L0814560-21	MW-12S	TRIUMVIRATE, NY
L0814560-22	MW-12I	TRIUMVIRATE, NY
L0814560-23	MW-35	TRIUMVIRATE, NY
L0814560-24	MW-36	TRIUMVIRATE, NY

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Technical Representative

Laboratory Job Number: L0814560
Date Reported: 07-OCT-2008

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0814560-25	MW-30	TRIUMVIRATE, NY
L0814560-26	MW-31	TRIUMVIRATE, NY
L0814560-27	MW-28	TRIUMVIRATE, NY
L0814560-28	MW-28D	TRIUMVIRATE, NY
L0814560-29	MW-23R	TRIUMVIRATE, NY
L0814560-30	MW-X	TRIUMVIRATE, NY
L0814560-31	MW-13S	TRIUMVIRATE, NY
L0814560-32	TRIP BLANK	TRIUMVIRATE, NY

ALPHA ANALYTICAL
NARRATIVE REPORT

Laboratory Job Number: L0814560

The samples were received in accordance with the chain of custody and no significant deviations were encountered during preparation or analysis unless otherwise noted below.

Sample Receipt

The Trip Blank was received in the laboratory but not listed on the Chain of Custody. At the client's request, the Trip Blank was analyzed.

Only one vial was received for sample "MW-121".

Volatile Organics

The following samples have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples:

L0814560-07, -11: 10x

L0814560-08: 400x

L0814560-09: 4x

L0814560-12, -24: 5x

L0814560-14: 2.5x

L0814560-15, -20: 40x

L0814560-16, -22, -30: 1000x

L0814560-21, -27: 2x

L0814560-23: 100x

L0814560-26: 4000x

L0814560-13 required re-analysis on a 5x dilution in order to quantitate the sample within the calibration range. The result is reported as a "greater than" value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the calibration range.

L0814560-14, -15, -27: The concentration of Isopropylbenzene should be considered estimated because the percent recovery for this analyte was outside method acceptance criteria in the associated LCS (133%).

L0814560-21, -24: The concentration of Isopropylbenzene should be considered estimated because the percent recovery for this analyte was outside method acceptance criteria in the associated LCS (129%).

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-01
PZ-1
Sample Matrix: WATER

Date Collected: 29-SEP-2008 14:00
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1004 18:39	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	0.73	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	1.3	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	3.2	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-01
PZ-1

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1004 18:39	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	3.2	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	3.8	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	104	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	106	%	70-130				
Dibromofluoromethane	94.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-02
MW-5
Sample Matrix: WATER

Date Collected: 29-SEP-2008 14:12
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1005 15:25	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	5.1	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	0.91	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	74	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	1.4	ug/l	0.75				
Trichloroethene	10	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	1.3	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	44	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-02
MW-5

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1005 15:25	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	99.0	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	106	%	70-130				
Dibromofluoromethane	94.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-03
MW-16
Sample Matrix: WATER

Date Collected: 29-SEP-2008 14:30
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1004 19:15	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	1.6	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-03
MW-16

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1004 19:15	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	0.59	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	2.0	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	103	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	105	%	70-130				
Dibromofluoromethane	95.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-04
APMW-1
Sample Matrix: WATER

Date Collected: 29-SEP-2008 14:36
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1005 16:01	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	4.5	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	2.0	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	5.8	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	3.5	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-04
APMW-1

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1005 16:01	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	100	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	106	%	70-130				
Dibromofluoromethane	93.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-05
APMW-2
Sample Matrix: WATER

Date Collected: 29-SEP-2008 14:45
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1005 16:37	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	1.1	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	3.8	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	4.0	ug/l	1.0				
Chloroethane	1.0	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	2.9	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	3.4	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-05
APMW-2

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1005 16:37	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	99.0	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	105	%	70-130				
Dibromofluoromethane	93.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-06
MW-29
Sample Matrix: WATER

Date Collected: 29-SEP-2008 14:50
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1005 17:13	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	2.9	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	52	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	5.4	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	0.68	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L0814560-06
MW-29

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1005 17:13	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	98.0	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	116	%	70-130				
Dibromofluoromethane	92.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-07
MW-33
Sample Matrix: WATER

Date Collected: 29-SEP-2008 15:00
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1004 19:52	PD
Methylene chloride	ND	ug/l	50.				
1,1-Dichloroethane	ND	ug/l	7.5				
Chloroform	ND	ug/l	7.5				
Carbon tetrachloride	ND	ug/l	5.0				
1,2-Dichloropropane	ND	ug/l	18.				
Dibromochloromethane	ND	ug/l	5.0				
1,1,2-Trichloroethane	ND	ug/l	7.5				
Tetrachloroethene	ND	ug/l	5.0				
Chlorobenzene	ND	ug/l	5.0				
Trichlorofluoromethane	ND	ug/l	25.				
1,2-Dichloroethane	ND	ug/l	5.0				
1,1,1-Trichloroethane	ND	ug/l	5.0				
Bromodichloromethane	ND	ug/l	5.0				
trans-1,3-Dichloropropene	ND	ug/l	5.0				
cis-1,3-Dichloropropene	ND	ug/l	5.0				
1,1-Dichloropropene	ND	ug/l	25.				
Bromoform	ND	ug/l	20.				
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0				
Benzene	ND	ug/l	5.0				
Toluene	ND	ug/l	7.5				
Ethylbenzene	ND	ug/l	5.0				
Chloromethane	ND	ug/l	25.				
Bromomethane	ND	ug/l	10.				
Vinyl chloride	140	ug/l	10				
Chloroethane	18	ug/l	10				
1,1-Dichloroethene	ND	ug/l	5.0				
trans-1,2-Dichloroethene	ND	ug/l	7.5				
Trichloroethene	ND	ug/l	5.0				
1,2-Dichlorobenzene	ND	ug/l	25.				
1,3-Dichlorobenzene	ND	ug/l	25.				
1,4-Dichlorobenzene	ND	ug/l	25.				
Methyl tert butyl ether	24	ug/l	10				
p/m-Xylene	ND	ug/l	10.				
o-Xylene	ND	ug/l	10.				
cis-1,2-Dichloroethene	210	ug/l	5.0				
Dibromomethane	ND	ug/l	50.				
1,2,3-Trichloropropane	ND	ug/l	50.				
Acrylonitrile	ND	ug/l	50.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-07
MW-33

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1004 19:52	PD
Styrene	ND	ug/l	10.				
Dichlorodifluoromethane	ND	ug/l	50.				
Acetone	ND	ug/l	50.				
Carbon disulfide	ND	ug/l	50.				
2-Butanone	ND	ug/l	50.				
Vinyl acetate	ND	ug/l	50.				
4-Methyl-2-pentanone	ND	ug/l	50.				
2-Hexanone	ND	ug/l	50.				
Bromochloromethane	ND	ug/l	25.				
2,2-Dichloropropane	ND	ug/l	25.				
1,2-Dibromoethane	ND	ug/l	20.				
1,3-Dichloropropane	ND	ug/l	25.				
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0				
Bromobenzene	ND	ug/l	25.				
n-Butylbenzene	ND	ug/l	5.0				
sec-Butylbenzene	ND	ug/l	5.0				
tert-Butylbenzene	ND	ug/l	25.				
o-Chlorotoluene	ND	ug/l	25.				
p-Chlorotoluene	ND	ug/l	25.				
1,2-Dibromo-3-chloropropane	ND	ug/l	25.				
Hexachlorobutadiene	ND	ug/l	6.0				
Isopropylbenzene	ND	ug/l	5.0				
p-Isopropyltoluene	ND	ug/l	5.0				
Naphthalene	ND	ug/l	25.				
n-Propylbenzene	ND	ug/l	5.0				
1,2,3-Trichlorobenzene	ND	ug/l	25.				
1,2,4-Trichlorobenzene	ND	ug/l	25.				
1,3,5-Trimethylbenzene	ND	ug/l	25.				
1,2,4-Trimethylbenzene	ND	ug/l	25.				
1,4-Diethylbenzene	ND	ug/l	20.				
4-Ethyltoluene	ND	ug/l	20.				
1,2,4,5-Tetramethylbenzene	ND	ug/l	20.				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	104	%	70-130
Toluene-d8	102	%	70-130
4-Bromofluorobenzene	110	%	70-130
Dibromofluoromethane	94.0	%	70-130

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-08
MW-34
Sample Matrix: WATER

Date Collected: 29-SEP-2008 15:08
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1004 20:28	PD
Methylene chloride	ND	ug/l	2000				
1,1-Dichloroethane	ND	ug/l	300				
Chloroform	ND	ug/l	300				
Carbon tetrachloride	ND	ug/l	200				
1,2-Dichloropropane	ND	ug/l	700				
Dibromochloromethane	ND	ug/l	200				
1,1,2-Trichloroethane	ND	ug/l	300				
Tetrachloroethene	20000	ug/l	200				
Chlorobenzene	ND	ug/l	200				
Trichlorofluoromethane	ND	ug/l	1000				
1,2-Dichloroethane	ND	ug/l	200				
1,1,1-Trichloroethane	260	ug/l	200				
Bromodichloromethane	ND	ug/l	200				
trans-1,3-Dichloropropene	ND	ug/l	200				
cis-1,3-Dichloropropene	ND	ug/l	200				
1,1-Dichloropropene	ND	ug/l	1000				
Bromoform	ND	ug/l	800				
1,1,2,2-Tetrachloroethane	ND	ug/l	200				
Benzene	ND	ug/l	200				
Toluene	ND	ug/l	300				
Ethylbenzene	ND	ug/l	200				
Chloromethane	ND	ug/l	1000				
Bromomethane	ND	ug/l	400				
Vinyl chloride	2600	ug/l	400				
Chloroethane	ND	ug/l	400				
1,1-Dichloroethene	ND	ug/l	200				
trans-1,2-Dichloroethene	ND	ug/l	300				
Trichloroethene	3800	ug/l	200				
1,2-Dichlorobenzene	ND	ug/l	1000				
1,3-Dichlorobenzene	ND	ug/l	1000				
1,4-Dichlorobenzene	ND	ug/l	1000				
Methyl tert butyl ether	ND	ug/l	400				
p/m-Xylene	ND	ug/l	400				
o-Xylene	ND	ug/l	400				
cis-1,2-Dichloroethene	8300	ug/l	200				
Dibromomethane	ND	ug/l	2000				
1,2,3-Trichloropropane	ND	ug/l	2000				
Acrylonitrile	ND	ug/l	2000				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-08
MW-34

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1004 20:28	PD
Styrene	ND	ug/l	400				
Dichlorodifluoromethane	ND	ug/l	2000				
Acetone	ND	ug/l	2000				
Carbon disulfide	ND	ug/l	2000				
2-Butanone	ND	ug/l	2000				
Vinyl acetate	ND	ug/l	2000				
4-Methyl-2-pentanone	ND	ug/l	2000				
2-Hexanone	ND	ug/l	2000				
Bromochloromethane	ND	ug/l	1000				
2,2-Dichloropropane	ND	ug/l	1000				
1,2-Dibromoethane	ND	ug/l	800				
1,3-Dichloropropane	ND	ug/l	1000				
1,1,1,2-Tetrachloroethane	ND	ug/l	200				
Bromobenzene	ND	ug/l	1000				
n-Butylbenzene	ND	ug/l	200				
sec-Butylbenzene	ND	ug/l	200				
tert-Butylbenzene	ND	ug/l	1000				
o-Chlorotoluene	ND	ug/l	1000				
p-Chlorotoluene	ND	ug/l	1000				
1,2-Dibromo-3-chloropropane	ND	ug/l	1000				
Hexachlorobutadiene	ND	ug/l	240				
Isopropylbenzene	ND	ug/l	200				
p-Isopropyltoluene	ND	ug/l	200				
Naphthalene	ND	ug/l	1000				
n-Propylbenzene	ND	ug/l	200				
1,2,3-Trichlorobenzene	ND	ug/l	1000				
1,2,4-Trichlorobenzene	ND	ug/l	1000				
1,3,5-Trimethylbenzene	ND	ug/l	1000				
1,2,4-Trimethylbenzene	ND	ug/l	1000				
1,4-Diethylbenzene	ND	ug/l	800				
4-Ethyltoluene	ND	ug/l	800				
1,2,4,5-Tetramethylbenzene	ND	ug/l	800				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	103	%	70-130				
Toluene-d8	98.0	%	70-130				
4-Bromofluorobenzene	107	%	70-130				
Dibromofluoromethane	95.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-09
MW-29D
Sample Matrix: WATER

Date Collected: 29-SEP-2008 15:20
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1006 09:35	PD
Methylene chloride	ND	ug/l	20.				
1,1-Dichloroethane	3.4	ug/l	3.0				
Chloroform	ND	ug/l	3.0				
Carbon tetrachloride	ND	ug/l	2.0				
1,2-Dichloropropane	ND	ug/l	7.0				
Dibromochloromethane	ND	ug/l	2.0				
1,1,2-Trichloroethane	ND	ug/l	3.0				
Tetrachloroethene	ND	ug/l	2.0				
Chlorobenzene	ND	ug/l	2.0				
Trichlorofluoromethane	ND	ug/l	10.				
1,2-Dichloroethane	ND	ug/l	2.0				
1,1,1-Trichloroethane	ND	ug/l	2.0				
Bromodichloromethane	ND	ug/l	2.0				
trans-1,3-Dichloropropene	ND	ug/l	2.0				
cis-1,3-Dichloropropene	ND	ug/l	2.0				
1,1-Dichloropropene	ND	ug/l	10.				
Bromoform	ND	ug/l	8.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	2.0				
Benzene	ND	ug/l	2.0				
Toluene	ND	ug/l	3.0				
Ethylbenzene	ND	ug/l	2.0				
Chloromethane	ND	ug/l	10.				
Bromomethane	ND	ug/l	4.0				
Vinyl chloride	120	ug/l	4.0				
Chloroethane	ND	ug/l	4.0				
1,1-Dichloroethene	ND	ug/l	2.0				
trans-1,2-Dichloroethene	ND	ug/l	3.0				
Trichloroethene	ND	ug/l	2.0				
1,2-Dichlorobenzene	ND	ug/l	10.				
1,3-Dichlorobenzene	ND	ug/l	10.				
1,4-Dichlorobenzene	ND	ug/l	10.				
Methyl tert butyl ether	ND	ug/l	4.0				
p/m-Xylene	ND	ug/l	4.0				
o-Xylene	ND	ug/l	4.0				
cis-1,2-Dichloroethene	11	ug/l	2.0				
Dibromomethane	ND	ug/l	20.				
1,2,3-Trichloropropane	ND	ug/l	20.				
Acrylonitrile	ND	ug/l	20.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L0814560-09
MW-29D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1006 09:35	PD
Styrene	ND	ug/l	4.0				
Dichlorodifluoromethane	ND	ug/l	20.				
Acetone	ND	ug/l	20.				
Carbon disulfide	ND	ug/l	20.				
2-Butanone	ND	ug/l	20.				
Vinyl acetate	ND	ug/l	20.				
4-Methyl-2-pentanone	ND	ug/l	20.				
2-Hexanone	ND	ug/l	20.				
Bromochloromethane	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	10.				
1,2-Dibromoethane	ND	ug/l	8.0				
1,3-Dichloropropane	ND	ug/l	10.				
1,1,1,2-Tetrachloroethane	ND	ug/l	2.0				
Bromobenzene	ND	ug/l	10.				
n-Butylbenzene	ND	ug/l	2.0				
sec-Butylbenzene	ND	ug/l	2.0				
tert-Butylbenzene	ND	ug/l	10.				
o-Chlorotoluene	ND	ug/l	10.				
p-Chlorotoluene	ND	ug/l	10.				
1,2-Dibromo-3-chloropropane	ND	ug/l	10.				
Hexachlorobutadiene	ND	ug/l	2.4				
Isopropylbenzene	ND	ug/l	2.0				
p-Isopropyltoluene	ND	ug/l	2.0				
Naphthalene	ND	ug/l	10.				
n-Propylbenzene	ND	ug/l	2.0				
1,2,3-Trichlorobenzene	ND	ug/l	10.				
1,2,4-Trichlorobenzene	ND	ug/l	10.				
1,3,5-Trimethylbenzene	ND	ug/l	10.				
1,2,4-Trimethylbenzene	ND	ug/l	10.				
1,4-Diethylbenzene	ND	ug/l	8.0				
4-Ethyltoluene	ND	ug/l	8.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	8.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	103	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	110	%	70-130				
Dibromofluoromethane	94.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-10
MW-19I
Sample Matrix: WATER

Date Collected: 29-SEP-2008 15:30
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1005 18:25	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	5.7	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	44	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	6.0	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-10
MW-19I

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1005 18:25	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	99.0	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	107	%	70-130				
Dibromofluoromethane	93.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-11
MW-19S
Sample Matrix: WATER

Date Collected: 29-SEP-2008 15:45
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1005 19:01	PD
Methylene chloride	ND	ug/l	50.				
1,1-Dichloroethane	18	ug/l	7.5				
Chloroform	ND	ug/l	7.5				
Carbon tetrachloride	ND	ug/l	5.0				
1,2-Dichloropropane	ND	ug/l	18.				
Dibromochloromethane	ND	ug/l	5.0				
1,1,2-Trichloroethane	ND	ug/l	7.5				
Tetrachloroethene	22	ug/l	5.0				
Chlorobenzene	ND	ug/l	5.0				
Trichlorofluoromethane	ND	ug/l	25.				
1,2-Dichloroethane	ND	ug/l	5.0				
1,1,1-Trichloroethane	ND	ug/l	5.0				
Bromodichloromethane	ND	ug/l	5.0				
trans-1,3-Dichloropropene	ND	ug/l	5.0				
cis-1,3-Dichloropropene	ND	ug/l	5.0				
1,1-Dichloropropene	ND	ug/l	25.				
Bromoform	ND	ug/l	20.				
1,1,2,2-Tetrachloroethane	ND	ug/l	5.0				
Benzene	ND	ug/l	5.0				
Toluene	ND	ug/l	7.5				
Ethylbenzene	ND	ug/l	5.0				
Chloromethane	ND	ug/l	25.				
Bromomethane	ND	ug/l	10.				
Vinyl chloride	42	ug/l	10				
Chloroethane	ND	ug/l	10.				
1,1-Dichloroethene	ND	ug/l	5.0				
trans-1,2-Dichloroethene	ND	ug/l	7.5				
Trichloroethene	32	ug/l	5.0				
1,2-Dichlorobenzene	ND	ug/l	25.				
1,3-Dichlorobenzene	ND	ug/l	25.				
1,4-Dichlorobenzene	ND	ug/l	25.				
Methyl tert butyl ether	ND	ug/l	10.				
p/m-Xylene	ND	ug/l	10.				
o-Xylene	ND	ug/l	10.				
cis-1,2-Dichloroethene	390	ug/l	5.0				
Dibromomethane	ND	ug/l	50.				
1,2,3-Trichloropropane	ND	ug/l	50.				
Acrylonitrile	ND	ug/l	50.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-11
MW-19S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1005 19:01	PD
Styrene	ND	ug/l	10.				
Dichlorodifluoromethane	ND	ug/l	50.				
Acetone	ND	ug/l	50.				
Carbon disulfide	ND	ug/l	50.				
2-Butanone	ND	ug/l	50.				
Vinyl acetate	ND	ug/l	50.				
4-Methyl-2-pentanone	ND	ug/l	50.				
2-Hexanone	ND	ug/l	50.				
Bromochloromethane	ND	ug/l	25.				
2,2-Dichloropropane	ND	ug/l	25.				
1,2-Dibromoethane	ND	ug/l	20.				
1,3-Dichloropropane	ND	ug/l	25.				
1,1,1,2-Tetrachloroethane	ND	ug/l	5.0				
Bromobenzene	ND	ug/l	25.				
n-Butylbenzene	ND	ug/l	5.0				
sec-Butylbenzene	ND	ug/l	5.0				
tert-Butylbenzene	ND	ug/l	25.				
o-Chlorotoluene	ND	ug/l	25.				
p-Chlorotoluene	ND	ug/l	25.				
1,2-Dibromo-3-chloropropane	ND	ug/l	25.				
Hexachlorobutadiene	ND	ug/l	6.0				
Isopropylbenzene	ND	ug/l	5.0				
p-Isopropyltoluene	ND	ug/l	5.0				
Naphthalene	ND	ug/l	25.				
n-Propylbenzene	ND	ug/l	5.0				
1,2,3-Trichlorobenzene	ND	ug/l	25.				
1,2,4-Trichlorobenzene	ND	ug/l	25.				
1,3,5-Trimethylbenzene	ND	ug/l	25.				
1,2,4-Trimethylbenzene	ND	ug/l	25.				
1,4-Diethylbenzene	ND	ug/l	20.				
4-Ethyltoluene	ND	ug/l	20.				
1,2,4,5-Tetramethylbenzene	ND	ug/l	20.				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	100	%	70-130				
Toluene-d8	102	%	70-130				
4-Bromofluorobenzene	107	%	70-130				
Dibromofluoromethane	95.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-12
MW-6
Sample Matrix: WATER

Date Collected: 29-SEP-2008 16:25
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1004 21:05	PD
Methylene chloride	ND	ug/l	25.				
1,1-Dichloroethane	ND	ug/l	3.8				
Chloroform	ND	ug/l	3.8				
Carbon tetrachloride	ND	ug/l	2.5				
1,2-Dichloropropane	ND	ug/l	8.8				
Dibromochloromethane	ND	ug/l	2.5				
1,1,2-Trichloroethane	ND	ug/l	3.8				
Tetrachloroethene	ND	ug/l	2.5				
Chlorobenzene	150	ug/l	2.5				
Trichlorofluoromethane	ND	ug/l	12.				
1,2-Dichloroethane	ND	ug/l	2.5				
1,1,1-Trichloroethane	ND	ug/l	2.5				
Bromodichloromethane	ND	ug/l	2.5				
trans-1,3-Dichloropropene	ND	ug/l	2.5				
cis-1,3-Dichloropropene	ND	ug/l	2.5				
1,1-Dichloropropene	ND	ug/l	12.				
Bromoform	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	2.5				
Benzene	8.8	ug/l	2.5				
Toluene	ND	ug/l	3.8				
Ethylbenzene	ND	ug/l	2.5				
Chloromethane	ND	ug/l	12.				
Bromomethane	ND	ug/l	5.0				
Vinyl chloride	ND	ug/l	5.0				
Chloroethane	ND	ug/l	5.0				
1,1-Dichloroethene	ND	ug/l	2.5				
trans-1,2-Dichloroethene	ND	ug/l	3.8				
Trichloroethene	ND	ug/l	2.5				
1,2-Dichlorobenzene	ND	ug/l	12.				
1,3-Dichlorobenzene	ND	ug/l	12.				
1,4-Dichlorobenzene	13	ug/l	12				
Methyl tert butyl ether	ND	ug/l	5.0				
p/m-Xylene	ND	ug/l	5.0				
o-Xylene	ND	ug/l	5.0				
cis-1,2-Dichloroethene	ND	ug/l	2.5				
Dibromomethane	ND	ug/l	25.				
1,2,3-Trichloropropane	ND	ug/l	25.				
Acrylonitrile	ND	ug/l	25.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-12
MW-6

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1004 21:05	PD
Styrene	ND	ug/l	5.0				
Dichlorodifluoromethane	ND	ug/l	25.				
Acetone	ND	ug/l	25.				
Carbon disulfide	ND	ug/l	25.				
2-Butanone	ND	ug/l	25.				
Vinyl acetate	ND	ug/l	25.				
4-Methyl-2-pentanone	ND	ug/l	25.				
2-Hexanone	ND	ug/l	25.				
Bromochloromethane	ND	ug/l	12.				
2,2-Dichloropropane	ND	ug/l	12.				
1,2-Dibromoethane	ND	ug/l	10.				
1,3-Dichloropropane	ND	ug/l	12.				
1,1,1,2-Tetrachloroethane	ND	ug/l	2.5				
Bromobenzene	ND	ug/l	12.				
n-Butylbenzene	ND	ug/l	2.5				
sec-Butylbenzene	3.6	ug/l	2.5				
tert-Butylbenzene	ND	ug/l	12.				
o-Chlorotoluene	ND	ug/l	12.				
p-Chlorotoluene	ND	ug/l	12.				
1,2-Dibromo-3-chloropropane	ND	ug/l	12.				
Hexachlorobutadiene	ND	ug/l	3.0				
Isopropylbenzene	3.4	ug/l	2.5				
p-Isopropyltoluene	ND	ug/l	2.5				
Naphthalene	ND	ug/l	12.				
n-Propylbenzene	5.6	ug/l	2.5				
1,2,3-Trichlorobenzene	ND	ug/l	12.				
1,2,4-Trichlorobenzene	ND	ug/l	12.				
1,3,5-Trimethylbenzene	ND	ug/l	12.				
1,2,4-Trimethylbenzene	ND	ug/l	12.				
1,4-Diethylbenzene	ND	ug/l	10.				
4-Ethyltoluene	ND	ug/l	10.				
1,2,4,5-Tetramethylbenzene	ND	ug/l	10.				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	102	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	109	%	70-130				
Dibromofluoromethane	93.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-13
MW-32
Sample Matrix: WATER

Date Collected: 29-SEP-2008 16:30
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1004 21:41	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	2.4	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	>100	ug/l	.5				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	2.8	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	84	ug/l	0.50				
Toluene	1.5	ug/l	0.75				
Ethylbenzene	2.4	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	5.5	ug/l	1.0				
Chloroethane	1.4	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	7.4	ug/l	2.5				
1,3-Dichlorobenzene	11	ug/l	2.5				
1,4-Dichlorobenzene	17	ug/l	2.5				
Methyl tert butyl ether	8.5	ug/l	1.0				
p/m-Xylene	6.4	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	2.2	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-13
MW-32

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1004 21:41	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	>100	ug/l	5				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	0.50	ug/l	0.50				
sec-Butylbenzene	0.90	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	2.8	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	3.7	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	6.2	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	99.0	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	107	%	70-130				
Dibromofluoromethane	92.0	%	70-130				
Volatile Organics by EPA 8260B				1 8260B		1005 14:13	PD
Chlorobenzene	87	ug/l	2.5				
Acetone	150	ug/l	25				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	99.0	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	105	%	70-130				
Dibromofluoromethane	93.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-14
MW-24
Sample Matrix: WATER

Date Collected: 29-SEP-2008 16:42
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1005 19:36	PD
Methylene chloride	ND	ug/l	12.				
1,1-Dichloroethane	ND	ug/l	1.9				
Chloroform	ND	ug/l	1.9				
Carbon tetrachloride	ND	ug/l	1.2				
1,2-Dichloropropane	ND	ug/l	4.4				
Dibromochloromethane	ND	ug/l	1.2				
1,1,2-Trichloroethane	ND	ug/l	1.9				
Tetrachloroethene	ND	ug/l	1.2				
Chlorobenzene	69	ug/l	1.2				
Trichlorofluoromethane	ND	ug/l	6.2				
1,2-Dichloroethane	3.5	ug/l	1.2				
1,1,1-Trichloroethane	ND	ug/l	1.2				
Bromodichloromethane	ND	ug/l	1.2				
trans-1,3-Dichloropropene	ND	ug/l	1.2				
cis-1,3-Dichloropropene	ND	ug/l	1.2				
1,1-Dichloropropene	ND	ug/l	6.2				
Bromoform	ND	ug/l	5.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.2				
Benzene	120	ug/l	1.2				
Toluene	ND	ug/l	1.9				
Ethylbenzene	ND	ug/l	1.2				
Chloromethane	ND	ug/l	6.2				
Bromomethane	ND	ug/l	2.5				
Vinyl chloride	ND	ug/l	2.5				
Chloroethane	5.0	ug/l	2.5				
1,1-Dichloroethene	ND	ug/l	1.2				
trans-1,2-Dichloroethene	ND	ug/l	1.9				
Trichloroethene	ND	ug/l	1.2				
1,2-Dichlorobenzene	ND	ug/l	6.2				
1,3-Dichlorobenzene	ND	ug/l	6.2				
1,4-Dichlorobenzene	6.5	ug/l	6.2				
Methyl tert butyl ether	6.8	ug/l	2.5				
p/m-Xylene	2.8	ug/l	2.5				
o-Xylene	ND	ug/l	2.5				
cis-1,2-Dichloroethene	ND	ug/l	1.2				
Dibromomethane	ND	ug/l	12.				
1,2,3-Trichloropropane	ND	ug/l	12.				
Acrylonitrile	ND	ug/l	12.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-14
MW-24

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				8260B		1005 19:36	PD
Styrene	ND	ug/l	2.5				
Dichlorodifluoromethane	ND	ug/l	12.				
Acetone	ND	ug/l	12.				
Carbon disulfide	ND	ug/l	12.				
2-Butanone	ND	ug/l	12.				
Vinyl acetate	ND	ug/l	12.				
4-Methyl-2-pentanone	ND	ug/l	12.				
2-Hexanone	ND	ug/l	12.				
Bromochloromethane	ND	ug/l	6.2				
2,2-Dichloropropane	ND	ug/l	6.2				
1,2-Dibromoethane	ND	ug/l	5.0				
1,3-Dichloropropane	ND	ug/l	6.2				
1,1,1,2-Tetrachloroethane	ND	ug/l	1.2				
Bromobenzene	ND	ug/l	6.2				
n-Butylbenzene	ND	ug/l	1.2				
sec-Butylbenzene	ND	ug/l	1.2				
tert-Butylbenzene	ND	ug/l	6.2				
o-Chlorotoluene	ND	ug/l	6.2				
p-Chlorotoluene	ND	ug/l	6.2				
1,2-Dibromo-3-chloropropane	ND	ug/l	6.2				
Hexachlorobutadiene	ND	ug/l	1.5				
Isopropylbenzene	2.3	ug/l	1.2				
p-Isopropyltoluene	ND	ug/l	1.2				
Naphthalene	ND	ug/l	6.2				
n-Propylbenzene	3.9	ug/l	1.2				
1,2,3-Trichlorobenzene	ND	ug/l	6.2				
1,2,4-Trichlorobenzene	ND	ug/l	6.2				
1,3,5-Trimethylbenzene	ND	ug/l	6.2				
1,2,4-Trimethylbenzene	ND	ug/l	6.2				
1,4-Diethylbenzene	ND	ug/l	5.0				
4-Ethyltoluene	ND	ug/l	5.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	5.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	97.0	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	105	%	70-130				
Dibromofluoromethane	92.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-15
MW-20D
Sample Matrix: WATER

Date Collected: 29-SEP-2008 16:50
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory
Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1005 20:13	PD
Methylene chloride	ND	ug/l	200				
1,1-Dichloroethane	65	ug/l	30				
Chloroform	ND	ug/l	30.				
Carbon tetrachloride	ND	ug/l	20.				
1,2-Dichloropropane	ND	ug/l	70.				
Dibromochloromethane	ND	ug/l	20.				
1,1,2-Trichloroethane	ND	ug/l	30.				
Tetrachloroethene	ND	ug/l	20.				
Chlorobenzene	350	ug/l	20				
Trichlorofluoromethane	ND	ug/l	100				
1,2-Dichloroethane	ND	ug/l	20.				
1,1,1-Trichloroethane	ND	ug/l	20.				
Bromodichloromethane	ND	ug/l	20.				
trans-1,3-Dichloropropene	ND	ug/l	20.				
cis-1,3-Dichloropropene	ND	ug/l	20.				
1,1-Dichloropropene	ND	ug/l	100				
Bromoform	ND	ug/l	80.				
1,1,2,2-Tetrachloroethane	ND	ug/l	20.				
Benzene	240	ug/l	20				
Toluene	1300	ug/l	30				
Ethylbenzene	470	ug/l	20				
Chloromethane	ND	ug/l	100				
Bromomethane	ND	ug/l	40.				
Vinyl chloride	ND	ug/l	40.				
Chloroethane	ND	ug/l	40.				
1,1-Dichloroethene	ND	ug/l	20.				
trans-1,2-Dichloroethene	ND	ug/l	30.				
Trichloroethene	ND	ug/l	20.				
1,2-Dichlorobenzene	240	ug/l	100				
1,3-Dichlorobenzene	ND	ug/l	100				
1,4-Dichlorobenzene	380	ug/l	100				
Methyl tert butyl ether	ND	ug/l	40.				
p/m-Xylene	1700	ug/l	40				
o-Xylene	530	ug/l	40				
cis-1,2-Dichloroethene	ND	ug/l	20.				
Dibromomethane	ND	ug/l	200				
1,2,3-Trichloropropane	ND	ug/l	200				
Acrylonitrile	ND	ug/l	200				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-15
MW-20D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1005 20:13	PD
Styrene	ND	ug/l	40.				
Dichlorodifluoromethane	ND	ug/l	200				
Acetone	ND	ug/l	200				
Carbon disulfide	ND	ug/l	200				
2-Butanone	ND	ug/l	200				
Vinyl acetate	ND	ug/l	200				
4-Methyl-2-pentanone	ND	ug/l	200				
2-Hexanone	ND	ug/l	200				
Bromochloromethane	ND	ug/l	100				
2,2-Dichloropropane	ND	ug/l	100				
1,2-Dibromoethane	ND	ug/l	80.				
1,3-Dichloropropane	ND	ug/l	100				
1,1,1,2-Tetrachloroethane	ND	ug/l	20.				
Bromobenzene	ND	ug/l	100				
n-Butylbenzene	ND	ug/l	20.				
sec-Butylbenzene	ND	ug/l	20.				
tert-Butylbenzene	ND	ug/l	100				
o-Chlorotoluene	ND	ug/l	100				
p-Chlorotoluene	ND	ug/l	100				
1,2-Dibromo-3-chloropropane	ND	ug/l	100				
Hexachlorobutadiene	ND	ug/l	24.				
Isopropylbenzene	ND	ug/l	20				
p-Isopropyltoluene	ND	ug/l	20.				
Naphthalene	150	ug/l	100				
n-Propylbenzene	31	ug/l	20				
1,2,3-Trichlorobenzene	ND	ug/l	100				
1,2,4-Trichlorobenzene	ND	ug/l	100				
1,3,5-Trimethylbenzene	110	ug/l	100				
1,2,4-Trimethylbenzene	290	ug/l	100				
1,4-Diethylbenzene	ND	ug/l	80.				
4-Ethyltoluene	180	ug/l	80				
1,2,4,5-Tetramethylbenzene	ND	ug/l	80.				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	98.0	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	104	%	70-130				
Dibromofluoromethane	92.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-16
MW-20S
Sample Matrix: WATER

Date Collected: 29-SEP-2008 17:05
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1005 20:49	PD
Methylene chloride	ND	ug/l	5000				
1,1-Dichloroethane	5400	ug/l	750				
Chloroform	ND	ug/l	750				
Carbon tetrachloride	ND	ug/l	500				
1,2-Dichloropropane	ND	ug/l	1800				
Dibromochloromethane	ND	ug/l	500				
1,1,2-Trichloroethane	ND	ug/l	750				
Tetrachloroethene	ND	ug/l	500				
Chlorobenzene	ND	ug/l	500				
Trichlorofluoromethane	ND	ug/l	2500				
1,2-Dichloroethane	ND	ug/l	500				
1,1,1-Trichloroethane	ND	ug/l	500				
Bromodichloromethane	ND	ug/l	500				
trans-1,3-Dichloropropene	ND	ug/l	500				
cis-1,3-Dichloropropene	ND	ug/l	500				
1,1-Dichloropropene	ND	ug/l	2500				
Bromoform	ND	ug/l	2000				
1,1,2,2-Tetrachloroethane	ND	ug/l	500				
Benzene	3200	ug/l	500				
Toluene	1600	ug/l	750				
Ethylbenzene	610	ug/l	500				
Chloromethane	ND	ug/l	2500				
Bromomethane	ND	ug/l	1000				
Vinyl chloride	9700	ug/l	1000				
Chloroethane	ND	ug/l	1000				
1,1-Dichloroethene	ND	ug/l	500				
trans-1,2-Dichloroethene	950	ug/l	750				
Trichloroethene	ND	ug/l	500				
1,2-Dichlorobenzene	ND	ug/l	2500				
1,3-Dichlorobenzene	ND	ug/l	2500				
1,4-Dichlorobenzene	ND	ug/l	2500				
Methyl tert butyl ether	ND	ug/l	1000				
p/m-Xylene	2300	ug/l	1000				
o-Xylene	ND	ug/l	1000				
cis-1,2-Dichloroethene	75000	ug/l	500				
Dibromomethane	ND	ug/l	5000				
1,2,3-Trichloropropane	ND	ug/l	5000				
Acrylonitrile	ND	ug/l	5000				

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L0814560-16
MW-20S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1005 20:49	PD
Styrene	ND	ug/l	1000				
Dichlorodifluoromethane	ND	ug/l	5000				
Acetone	ND	ug/l	5000				
Carbon disulfide	ND	ug/l	5000				
2-Butanone	ND	ug/l	5000				
Vinyl acetate	ND	ug/l	5000				
4-Methyl-2-pentanone	ND	ug/l	5000				
2-Hexanone	ND	ug/l	5000				
Bromochloromethane	ND	ug/l	2500				
2,2-Dichloropropane	ND	ug/l	2500				
1,2-Dibromoethane	ND	ug/l	2000				
1,3-Dichloropropane	ND	ug/l	2500				
1,1,1,2-Tetrachloroethane	ND	ug/l	500				
Bromobenzene	ND	ug/l	2500				
n-Butylbenzene	ND	ug/l	500				
sec-Butylbenzene	ND	ug/l	500				
tert-Butylbenzene	ND	ug/l	2500				
o-Chlorotoluene	ND	ug/l	2500				
p-Chlorotoluene	ND	ug/l	2500				
1,2-Dibromo-3-chloropropane	ND	ug/l	2500				
Hexachlorobutadiene	ND	ug/l	600				
Isopropylbenzene	ND	ug/l	500				
p-Isopropyltoluene	ND	ug/l	500				
Naphthalene	ND	ug/l	2500				
n-Propylbenzene	ND	ug/l	500				
1,2,3-Trichlorobenzene	ND	ug/l	2500				
1,2,4-Trichlorobenzene	ND	ug/l	2500				
1,3,5-Trimethylbenzene	ND	ug/l	2500				
1,2,4-Trimethylbenzene	ND	ug/l	2500				
1,4-Diethylbenzene	ND	ug/l	2000				
4-Ethyltoluene	ND	ug/l	2000				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2000				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	97.0	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	109	%	70-130				
Dibromofluoromethane	94.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-17
MW-26
Sample Matrix: WATER

Date Collected: 30-SEP-2008 08:15
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1005 21:25	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	2.0	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	0.63	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	18	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	43	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	42	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-17
MW-26

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1005 21:25	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	100	%	70-130
Toluene-d8	101	%	70-130
4-Bromofluorobenzene	110	%	70-130
Dibromofluoromethane	92.0	%	70-130

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-18
MW-25
Sample Matrix: WATER

Date Collected: 30-SEP-2008 08:30
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1005 22:01	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	9.9	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	1.2	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	28	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	5.7	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	0.56	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	5.0	ug/l	2.5				
Methyl tert butyl ether	30	ug/l	1.0				
p/m-Xylene	1.7	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	0.80	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-18
MW-25

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1005 22:01	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	99.0	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	129	%	70-130				
Dibromofluoromethane	92.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-19
MW-22S
Sample Matrix: WATER

Date Collected: 30-SEP-2008 08:35
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1005 22:37	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	2.0	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	3.4	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	1.0	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	0.92	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	38	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	1.0	ug/l	0.50				
1,2-Dichlorobenzene	3.6	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	2.6	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	5.1	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-19
MW-22S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd							
Styrene	ND	ug/l	1.0	1 8260B		1005 22:37	PD
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	96.0	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	108	%	70-130				
Dibromofluoromethane	93.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-20
MW-27
Sample Matrix: WATER

Condition of Sample: Satisfactory

Number & Type of Containers: 2-Vial

Date Collected: 30-SEP-2008 09:00
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B							
Methylene chloride	ND	ug/l	200	1 8260B		1006 10:12	PD
1,1-Dichloroethane	44	ug/l	30				
Chloroform	ND	ug/l	30.				
Carbon tetrachloride	ND	ug/l	20.				
1,2-Dichloropropane	ND	ug/l	70.				
Dibromochloromethane	ND	ug/l	20.				
1,1,2-Trichloroethane	ND	ug/l	30.				
Tetrachloroethene	ND	ug/l	20.				
Chlorobenzene	1500	ug/l	20				
Trichlorofluoromethane	ND	ug/l	100				
1,2-Dichloroethane	ND	ug/l	20.				
1,1,1-Trichloroethane	ND	ug/l	20.				
Bromodichloromethane	ND	ug/l	20.				
trans-1,3-Dichloropropene	ND	ug/l	20.				
cis-1,3-Dichloropropene	ND	ug/l	20.				
1,1-Dichloropropene	ND	ug/l	100				
Bromoform	ND	ug/l	80.				
1,1,2,2-Tetrachloroethane	ND	ug/l	20.				
Benzene	150	ug/l	20				
Toluene	56	ug/l	30				
Ethylbenzene	110	ug/l	20				
Chloromethane	ND	ug/l	100				
Bromomethane	ND	ug/l	40.				
Vinyl chloride	160	ug/l	40				
Chloroethane	79	ug/l	40				
1,1-Dichloroethene	ND	ug/l	20.				
trans-1,2-Dichloroethene	ND	ug/l	30.				
Trichloroethene	ND	ug/l	20.				
1,2-Dichlorobenzene	180	ug/l	100				
1,3-Dichlorobenzene	120	ug/l	100				
1,4-Dichlorobenzene	280	ug/l	100				
Methyl tert butyl ether	54	ug/l	40				
p/m-Xylene	290	ug/l	40				
o-Xylene	41	ug/l	40				
cis-1,2-Dichloroethene	130	ug/l	20				
Dibromomethane	ND	ug/l	200				
1,2,3-Trichloropropane	ND	ug/l	200				
Acrylonitrile	ND	ug/l	200				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-20
MW-27

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd							
Styrene	ND	ug/l	40.	1 8260B		1006 10:12	PD
Dichlorodifluoromethane	ND	ug/l	200				
Acetone	ND	ug/l	200				
Carbon disulfide	ND	ug/l	200				
2-Butanone	ND	ug/l	200				
Vinyl acetate	ND	ug/l	200				
4-Methyl-2-pentanone	ND	ug/l	200				
2-Hexanone	ND	ug/l	200				
Bromochloromethane	ND	ug/l	100				
2,2-Dichloropropane	ND	ug/l	100				
1,2-Dibromoethane	ND	ug/l	80.				
1,3-Dichloropropane	ND	ug/l	100				
1,1,1,2-Tetrachloroethane	ND	ug/l	20.				
Bromobenzene	ND	ug/l	100				
n-Butylbenzene	ND	ug/l	20.				
sec-Butylbenzene	ND	ug/l	20.				
tert-Butylbenzene	ND	ug/l	100				
o-Chlorotoluene	ND	ug/l	100				
p-Chlorotoluene	ND	ug/l	100				
1,2-Dibromo-3-chloropropane	ND	ug/l	100				
Hexachlorobutadiene	ND	ug/l	24.				
Isopropylbenzene	ND	ug/l	20.				
p-Isopropyltoluene	ND	ug/l	20.				
Naphthalene	ND	ug/l	100				
n-Propylbenzene	ND	ug/l	20				
1,2,3-Trichlorobenzene	ND	ug/l	100				
1,2,4-Trichlorobenzene	ND	ug/l	100				
1,3,5-Trimethylbenzene	ND	ug/l	100				
1,2,4-Trimethylbenzene	150	ug/l	100				
1,4-Diethylbenzene	ND	ug/l	80.				
4-Ethyltoluene	ND	ug/l	80				
1,2,4,5-Tetramethylbenzene	ND	ug/l	80.				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	102	%	70-130
Toluene-d8	100	%	70-130
4-Bromofluorobenzene	101	%	70-130
Dibromofluoromethane	94.0	%	70-130

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-21
MW-12S
Sample Matrix: WATER

Date Collected: 30-SEP-2008 09:15
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1006 19:25	PD
Methylene chloride	ND	ug/l	10.				
1,1-Dichloroethane	2.8	ug/l	1.5				
Chloroform	ND	ug/l	1.5				
Carbon tetrachloride	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	3.5				
Dibromochloromethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.5				
Tetrachloroethene	ND	ug/l	1.0				
Chlorobenzene	110	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	5.0				
1,2-Dichloroethane	2.4	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
Bromodichloromethane	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
1,1-Dichloropropene	ND	ug/l	5.0				
Bromoform	ND	ug/l	4.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Benzene	54	ug/l	1.0				
Toluene	40	ug/l	1.5				
Ethylbenzene	41	ug/l	1.0				
Chloromethane	ND	ug/l	5.0				
Bromomethane	ND	ug/l	2.0				
Vinyl chloride	2.2	ug/l	2.0				
Chloroethane	ND	ug/l	2.0				
1,1-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	1.6	ug/l	1.5				
Trichloroethene	ND	ug/l	1.0				
1,2-Dichlorobenzene	40	ug/l	5.0				
1,3-Dichlorobenzene	10	ug/l	5.0				
1,4-Dichlorobenzene	83	ug/l	5.0				
Methyl tert butyl ether	23	ug/l	2.0				
p/m-Xylene	100	ug/l	2.0				
o-Xylene	69	ug/l	2.0				
cis-1,2-Dichloroethene	3.0	ug/l	1.0				
Dibromomethane	ND	ug/l	10.				
1,2,3-Trichloropropane	ND	ug/l	10.				
Acrylonitrile	ND	ug/l	10.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-21
MW-12S

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1006 19:25	PD
Styrene	ND	ug/l	2.0				
Dichlorodifluoromethane	ND	ug/l	10.				
Acetone	ND	ug/l	10.				
Carbon disulfide	ND	ug/l	10.				
2-Butanone	13	ug/l	10				
Vinyl acetate	ND	ug/l	10.				
4-Methyl-2-pentanone	ND	ug/l	10.				
2-Hexanone	ND	ug/l	10.				
Bromochloromethane	ND	ug/l	5.0				
2,2-Dichloropropane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	4.0				
1,3-Dichloropropane	ND	ug/l	5.0				
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0				
Bromobenzene	ND	ug/l	5.0				
n-Butylbenzene	4.5	ug/l	1.0				
sec-Butylbenzene	2.5	ug/l	1.0				
tert-Butylbenzene	ND	ug/l	5.0				
o-Chlorotoluene	ND	ug/l	5.0				
p-Chlorotoluene	ND	ug/l	5.0				
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0				
Hexachlorobutadiene	ND	ug/l	1.2				
Isopropylbenzene	4.4	ug/l	1.0				
p-Isopropyltoluene	4.0	ug/l	1.0				
Naphthalene	27	ug/l	5.0				
n-Propylbenzene	8.0	ug/l	1.0				
1,2,3-Trichlorobenzene	ND	ug/l	5.0				
1,2,4-Trichlorobenzene	ND	ug/l	5.0				
1,3,5-Trimethylbenzene	31	ug/l	5.0				
1,2,4-Trimethylbenzene	61	ug/l	5.0				
1,4-Diethylbenzene	18	ug/l	4.0				
4-Ethyltoluene	38	ug/l	4.0				
1,2,4,5-Tetramethylbenzene	4.3	ug/l	4.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	101	%	70-130				
Toluene-d8	99.0	%	70-130				
4-Bromofluorobenzene	102	%	70-130				
Dibromofluoromethane	95.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-22
MW-12I
Sample Matrix: WATER

Condition of Sample: Satisfactory

Number & Type of Containers: 1-Vial

Date Collected: 30-SEP-2008 09:22
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Field Prep: None

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1006 10:48	PD
Methylene chloride	ND	ug/l	5000				
1,1-Dichloroethane	1700	ug/l	750				
Chloroform	ND	ug/l	750				
Carbon tetrachloride	ND	ug/l	500				
1,2-Dichloropropane	ND	ug/l	1800				
Dibromochloromethane	ND	ug/l	500				
1,1,2-Trichloroethane	ND	ug/l	750				
Tetrachloroethene	ND	ug/l	500				
Chlorobenzene	ND	ug/l	500				
Trichlorofluoromethane	ND	ug/l	2500				
1,2-Dichloroethane	ND	ug/l	500				
1,1,1-Trichloroethane	ND	ug/l	500				
Bromodichloromethane	ND	ug/l	500				
trans-1,3-Dichloropropene	ND	ug/l	500				
cis-1,3-Dichloropropene	ND	ug/l	500				
1,1-Dichloropropene	ND	ug/l	2500				
Bromoform	ND	ug/l	2000				
1,1,2,2-Tetrachloroethane	ND	ug/l	500				
Benzene	1100	ug/l	500				
Toluene	890	ug/l	750				
Ethylbenzene	ND	ug/l	500				
Chloromethane	ND	ug/l	2500				
Bromomethane	ND	ug/l	1000				
Vinyl chloride	4200	ug/l	1000				
Chloroethane	ND	ug/l	1000				
1,1-Dichloroethene	ND	ug/l	500				
trans-1,2-Dichloroethene	ND	ug/l	750				
Trichloroethene	ND	ug/l	500				
1,2-Dichlorobenzene	ND	ug/l	2500				
1,3-Dichlorobenzene	ND	ug/l	2500				
1,4-Dichlorobenzene	ND	ug/l	2500				
Methyl tert butyl ether	ND	ug/l	1000				
p/m-Xylene	1100	ug/l	1000				
o-Xylene	ND	ug/l	1000				
cis-1,2-Dichloroethene	37000	ug/l	500				
Dibromomethane	ND	ug/l	5000				
1,2,3-Trichloropropane	ND	ug/l	5000				
Acrylonitrile	ND	ug/l	5000				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-22
MW-12I

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1006 10:48	PD
Styrene	ND	ug/l	1000				
Dichlorodifluoromethane	ND	ug/l	5000				
Acetone	ND	ug/l	5000				
Carbon disulfide	ND	ug/l	5000				
2-Butanone	ND	ug/l	5000				
Vinyl acetate	ND	ug/l	5000				
4-Methyl-2-pentanone	ND	ug/l	5000				
2-Hexanone	ND	ug/l	5000				
Bromochloromethane	ND	ug/l	2500				
2,2-Dichloropropane	ND	ug/l	2500				
1,2-Dibromoethane	ND	ug/l	2000				
1,3-Dichloropropane	ND	ug/l	2500				
1,1,1,2-Tetrachloroethane	ND	ug/l	500				
Bromobenzene	ND	ug/l	2500				
n-Butylbenzene	ND	ug/l	500				
sec-Butylbenzene	ND	ug/l	500				
tert-Butylbenzene	ND	ug/l	2500				
o-Chlorotoluene	ND	ug/l	2500				
p-Chlorotoluene	ND	ug/l	2500				
1,2-Dibromo-3-chloropropane	ND	ug/l	2500				
Hexachlorobutadiene	ND	ug/l	600				
Isopropylbenzene	ND	ug/l	500				
p-Isopropyltoluene	ND	ug/l	500				
Naphthalene	ND	ug/l	2500				
n-Propylbenzene	ND	ug/l	500				
1,2,3-Trichlorobenzene	ND	ug/l	2500				
1,2,4-Trichlorobenzene	ND	ug/l	2500				
1,3,5-Trimethylbenzene	ND	ug/l	2500				
1,2,4-Trimethylbenzene	ND	ug/l	2500				
1,4-Diethylbenzene	ND	ug/l	2000				
4-Ethyltoluene	ND	ug/l	2000				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2000				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	103	%	70-130				
Toluene-d8	102	%	70-130				
4-Bromofluorobenzene	107	%	70-130				
Dibromofluoromethane	94.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-23
MW-35
Sample Matrix: WATER

Date Collected: 30-SEP-2008 09:30
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1006 11:24	PD
Methylene chloride	ND	ug/l	500				
1,1-Dichloroethane	ND	ug/l	75.				
Chloroform	ND	ug/l	75.				
Carbon tetrachloride	ND	ug/l	50.				
1,2-Dichloropropane	ND	ug/l	180				
Dibromochloromethane	ND	ug/l	50.				
1,1,2-Trichloroethane	ND	ug/l	75.				
Tetrachloroethene	ND	ug/l	50.				
Chlorobenzene	4200	ug/l	50				
Trichlorofluoromethane	ND	ug/l	250				
1,2-Dichloroethane	ND	ug/l	50.				
1,1,1-Trichloroethane	ND	ug/l	50.				
Bromodichloromethane	ND	ug/l	50.				
trans-1,3-Dichloropropene	ND	ug/l	50.				
cis-1,3-Dichloropropene	ND	ug/l	50.				
1,1-Dichloropropene	ND	ug/l	250				
Bromoform	ND	ug/l	200				
1,1,2,2-Tetrachloroethane	ND	ug/l	50.				
Benzene	100	ug/l	50				
Toluene	ND	ug/l	75.				
Ethylbenzene	98	ug/l	50				
Chloromethane	ND	ug/l	250				
Bromomethane	ND	ug/l	100				
Vinyl chloride	ND	ug/l	100				
Chloroethane	ND	ug/l	100				
1,1-Dichloroethene	ND	ug/l	50.				
trans-1,2-Dichloroethene	ND	ug/l	75.				
Trichloroethene	ND	ug/l	50.				
1,2-Dichlorobenzene	ND	ug/l	250				
1,3-Dichlorobenzene	ND	ug/l	250				
1,4-Dichlorobenzene	ND	ug/l	250				
Methyl tert butyl ether	ND	ug/l	100				
p/m-Xylene	210	ug/l	100				
o-Xylene	ND	ug/l	100				
cis-1,2-Dichloroethene	ND	ug/l	50.				
Dibromomethane	ND	ug/l	500				
1,2,3-Trichloropropane	ND	ug/l	500				
Acrylonitrile	ND	ug/l	500				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-23
MW-35

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1006 11:24	PD
Styrene	ND	ug/l	100				
Dichlorodifluoromethane	ND	ug/l	500				
Acetone	ND	ug/l	500				
Carbon disulfide	ND	ug/l	500				
2-Butanone	ND	ug/l	500				
Vinyl acetate	ND	ug/l	500				
4-Methyl-2-pentanone	ND	ug/l	500				
2-Hexanone	ND	ug/l	500				
Bromochloromethane	ND	ug/l	250				
2,2-Dichloropropane	ND	ug/l	250				
1,2-Dibromoethane	ND	ug/l	200				
1,3-Dichloropropane	ND	ug/l	250				
1,1,1,2-Tetrachloroethane	ND	ug/l	50.				
Bromobenzene	ND	ug/l	250				
n-Butylbenzene	ND	ug/l	50.				
sec-Butylbenzene	ND	ug/l	50.				
tert-Butylbenzene	ND	ug/l	250				
o-Chlorotoluene	ND	ug/l	250				
p-Chlorotoluene	ND	ug/l	250				
1,2-Dibromo-3-chloropropane	ND	ug/l	250				
Hexachlorobutadiene	ND	ug/l	60.				
Isopropylbenzene	ND	ug/l	50.				
p-Isopropyltoluene	ND	ug/l	50.				
Naphthalene	ND	ug/l	250				
n-Propylbenzene	ND	ug/l	50.				
1,2,3-Trichlorobenzene	ND	ug/l	250				
1,2,4-Trichlorobenzene	ND	ug/l	250				
1,3,5-Trimethylbenzene	ND	ug/l	250				
1,2,4-Trimethylbenzene	ND	ug/l	250				
1,4-Diethylbenzene	ND	ug/l	200				
4-Ethyltoluene	ND	ug/l	200				
1,2,4,5-Tetramethylbenzene	ND	ug/l	200				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	103	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	106	%	70-130				
Dibromofluoromethane	93.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-24
MW-36
Sample Matrix: WATER

Date Collected: 30-SEP-2008 09:35
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1006 16:59	PD
Methylene chloride	ND	ug/l	25.				
1,1-Dichloroethane	ND	ug/l	3.8				
Chloroform	ND	ug/l	3.8				
Carbon tetrachloride	ND	ug/l	2.5				
1,2-Dichloropropane	ND	ug/l	8.8				
Dibromochloromethane	ND	ug/l	2.5				
1,1,2-Trichloroethane	ND	ug/l	3.8				
Tetrachloroethene	4.7	ug/l	2.5				
Chlorobenzene	240	ug/l	2.5				
Trichlorofluoromethane	ND	ug/l	12.				
1,2-Dichloroethane	5.8	ug/l	2.5				
1,1,1-Trichloroethane	ND	ug/l	2.5				
Bromodichloromethane	ND	ug/l	2.5				
trans-1,3-Dichloropropene	ND	ug/l	2.5				
cis-1,3-Dichloropropene	ND	ug/l	2.5				
1,1-Dichloropropene	ND	ug/l	12.				
Bromoform	ND	ug/l	10.				
1,1,2,2-Tetrachloroethane	ND	ug/l	2.5				
Benzene	200	ug/l	2.5				
Toluene	ND	ug/l	3.8				
Ethylbenzene	6.7	ug/l	2.5				
Chloromethane	ND	ug/l	12.				
Bromomethane	ND	ug/l	5.0				
Vinyl chloride	ND	ug/l	5.0				
Chloroethane	ND	ug/l	5.0				
1,1-Dichloroethene	ND	ug/l	2.5				
trans-1,2-Dichloroethene	ND	ug/l	3.8				
Trichloroethene	6.9	ug/l	2.5				
1,2-Dichlorobenzene	ND	ug/l	12.				
1,3-Dichlorobenzene	12	ug/l	12				
1,4-Dichlorobenzene	14	ug/l	12				
Methyl tert butyl ether	13	ug/l	5.0				
p/m-Xylene	17	ug/l	5.0				
o-Xylene	ND	ug/l	5.0				
cis-1,2-Dichloroethene	25	ug/l	2.5				
Dibromomethane	ND	ug/l	25.				
1,2,3-Trichloropropane	ND	ug/l	25.				
Acrylonitrile	ND	ug/l	25.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-24
MW-36

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1006 16:59	PD
Styrene	ND	ug/l	5.0				
Dichlorodifluoromethane	ND	ug/l	25.				
Acetone	ND	ug/l	25.				
Carbon disulfide	ND	ug/l	25.				
2-Butanone	ND	ug/l	25.				
Vinyl acetate	ND	ug/l	25.				
4-Methyl-2-pentanone	ND	ug/l	25.				
2-Hexanone	ND	ug/l	25.				
Bromochloromethane	ND	ug/l	12.				
2,2-Dichloropropane	ND	ug/l	12.				
1,2-Dibromoethane	ND	ug/l	10.				
1,3-Dichloropropane	ND	ug/l	12.				
1,1,1,2-Tetrachloroethane	ND	ug/l	2.5				
Bromobenzene	ND	ug/l	12.				
n-Butylbenzene	ND	ug/l	2.5				
sec-Butylbenzene	ND	ug/l	2.5				
tert-Butylbenzene	ND	ug/l	12.				
o-Chlorotoluene	ND	ug/l	12.				
p-Chlorotoluene	ND	ug/l	12.				
1,2-Dibromo-3-chloropropane	ND	ug/l	12.				
Hexachlorobutadiene	ND	ug/l	3.0				
Isopropylbenzene	5.2	ug/l	2.5				
p-Isopropyltoluene	ND	ug/l	2.5				
Naphthalene	ND	ug/l	12.				
n-Propylbenzene	6.5	ug/l	2.5				
1,2,3-Trichlorobenzene	ND	ug/l	12.				
1,2,4-Trichlorobenzene	ND	ug/l	12.				
1,3,5-Trimethylbenzene	ND	ug/l	12.				
1,2,4-Trimethylbenzene	26	ug/l	12				
1,4-Diethylbenzene	ND	ug/l	10.				
4-Ethyltoluene	ND	ug/l	10.				
1,2,4,5-Tetramethylbenzene	ND	ug/l	10.				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	101	%	70-130
Toluene-d8	99.0	%	70-130
4-Bromofluorobenzene	104	%	70-130
Dibromofluoromethane	92.0	%	70-130

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-25
MW-30
Sample Matrix: WATER

Date Collected: 30-SEP-2008 09:47
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1006 17:36	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	1.6	ug/l	0.75				
Chloroform	1.4	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	4.8	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	5.7	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	22	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L0814560-25
MW-30

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1006 17:36	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	102	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	108	%	70-130				
Dibromofluoromethane	94.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-26
MW-31
Sample Matrix: WATER

Date Collected: 30-SEP-2008 10:03
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1006 18:12	PD
Methylene chloride	ND	ug/l	20000				
1,1-Dichloroethane	3200	ug/l	3000				
Chloroform	5000	ug/l	3000				
Carbon tetrachloride	ND	ug/l	2000				
1,2-Dichloropropane	ND	ug/l	7000				
Dibromochloromethane	ND	ug/l	2000				
1,1,2-Trichloroethane	ND	ug/l	3000				
Tetrachloroethene	3000	ug/l	2000				
Chlorobenzene	ND	ug/l	2000				
Trichlorofluoromethane	ND	ug/l	10000				
1,2-Dichloroethane	3900	ug/l	2000				
1,1,1-Trichloroethane	ND	ug/l	2000				
Bromodichloromethane	ND	ug/l	2000				
trans-1,3-Dichloropropene	ND	ug/l	2000				
cis-1,3-Dichloropropene	ND	ug/l	2000				
1,1-Dichloropropene	ND	ug/l	10000				
Bromoform	ND	ug/l	8000				
1,1,2,2-Tetrachloroethane	ND	ug/l	2000				
Benzene	8000	ug/l	2000				
Toluene	3700	ug/l	3000				
Ethylbenzene	ND	ug/l	2000				
Chloromethane	ND	ug/l	10000				
Bromomethane	ND	ug/l	4000				
Vinyl chloride	25000	ug/l	4000				
Chloroethane	ND	ug/l	4000				
1,1-Dichloroethene	ND	ug/l	2000				
trans-1,2-Dichloroethene	ND	ug/l	3000				
Trichloroethene	7400	ug/l	2000				
1,2-Dichlorobenzene	ND	ug/l	10000				
1,3-Dichlorobenzene	ND	ug/l	10000				
1,4-Dichlorobenzene	ND	ug/l	10000				
Methyl tert butyl ether	ND	ug/l	4000				
p/m-Xylene	ND	ug/l	4000				
o-Xylene	ND	ug/l	4000				
cis-1,2-Dichloroethene	250000	ug/l	2000				
Dibromomethane	ND	ug/l	20000				
1,2,3-Trichloropropane	ND	ug/l	20000				
Acrylonitrile	ND	ug/l	20000				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-26
MW-31

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1006 18:12	PD
Styrene	ND	ug/l	4000				
Dichlorodifluoromethane	ND	ug/l	20000				
Acetone	ND	ug/l	20000				
Carbon disulfide	ND	ug/l	20000				
2-Butanone	ND	ug/l	20000				
Vinyl acetate	ND	ug/l	20000				
4-Methyl-2-pentanone	ND	ug/l	20000				
2-Hexanone	ND	ug/l	20000				
Bromochloromethane	ND	ug/l	10000				
2,2-Dichloropropane	ND	ug/l	10000				
1,2-Dibromoethane	ND	ug/l	8000				
1,3-Dichloropropane	ND	ug/l	10000				
1,1,1,2-Tetrachloroethane	ND	ug/l	2000				
Bromobenzene	ND	ug/l	10000				
n-Butylbenzene	ND	ug/l	2000				
sec-Butylbenzene	ND	ug/l	2000				
tert-Butylbenzene	ND	ug/l	10000				
o-Chlorotoluene	ND	ug/l	10000				
p-Chlorotoluene	ND	ug/l	10000				
1,2-Dibromo-3-chloropropane	ND	ug/l	10000				
Hexachlorobutadiene	ND	ug/l	2400				
Isopropylbenzene	ND	ug/l	2000				
p-Isopropyltoluene	ND	ug/l	2000				
Naphthalene	ND	ug/l	10000				
n-Propylbenzene	ND	ug/l	2000				
1,2,3-Trichlorobenzene	ND	ug/l	10000				
1,2,4-Trichlorobenzene	ND	ug/l	10000				
1,3,5-Trimethylbenzene	ND	ug/l	10000				
1,2,4-Trimethylbenzene	ND	ug/l	10000				
1,4-Diethylbenzene	ND	ug/l	8000				
4-Ethyltoluene	ND	ug/l	8000				
1,2,4,5-Tetramethylbenzene	ND	ug/l	8000				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	101	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	108	%	70-130				
Dibromofluoromethane	95.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-27
MW-28
Sample Matrix: WATER

Date Collected: 30-SEP-2008 10:30
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1005 14:49	PD
Methylene chloride	ND	ug/l	10.				
1,1-Dichloroethane	ND	ug/l	1.5				
Chloroform	ND	ug/l	1.5				
Carbon tetrachloride	ND	ug/l	1.0				
1,2-Dichloropropane	ND	ug/l	3.5				
Dibromochloromethane	ND	ug/l	1.0				
1,1,2-Trichloroethane	ND	ug/l	1.5				
Tetrachloroethene	ND	ug/l	1.0				
Chlorobenzene	40	ug/l	1.0				
Trichlorofluoromethane	ND	ug/l	5.0				
1,2-Dichloroethane	2.1	ug/l	1.0				
1,1,1-Trichloroethane	ND	ug/l	1.0				
Bromodichloromethane	ND	ug/l	1.0				
trans-1,3-Dichloropropene	ND	ug/l	1.0				
cis-1,3-Dichloropropene	ND	ug/l	1.0				
1,1-Dichloropropene	ND	ug/l	5.0				
Bromoform	ND	ug/l	4.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	1.0				
Benzene	74	ug/l	1.0				
Toluene	10	ug/l	1.5				
Ethylbenzene	52	ug/l	1.0				
Chloromethane	ND	ug/l	5.0				
Bromomethane	ND	ug/l	2.0				
Vinyl chloride	ND	ug/l	2.0				
Chloroethane	2.2	ug/l	2.0				
1,1-Dichloroethene	ND	ug/l	1.0				
trans-1,2-Dichloroethene	ND	ug/l	1.5				
Trichloroethene	ND	ug/l	1.0				
1,2-Dichlorobenzene	6.3	ug/l	5.0				
1,3-Dichlorobenzene	10	ug/l	5.0				
1,4-Dichlorobenzene	49	ug/l	5.0				
Methyl tert butyl ether	ND	ug/l	2.0				
p/m-Xylene	16	ug/l	2.0				
o-Xylene	ND	ug/l	2.0				
cis-1,2-Dichloroethene	ND	ug/l	1.0				
Dibromomethane	ND	ug/l	10.				
1,2,3-Trichloropropane	ND	ug/l	10.				
Acrylonitrile	ND	ug/l	10.				

Comments: Complete list of References and Glossary of Terms found in Addendum I

Laboratory Sample Number: L0814560-27
MW-28

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1005 14:49	PD
Styrene	ND	ug/l	2.0				
Dichlorodifluoromethane	ND	ug/l	10.				
Acetone	33	ug/l	10				
Carbon disulfide	ND	ug/l	10.				
2-Butanone	ND	ug/l	10.				
Vinyl acetate	ND	ug/l	10.				
4-Methyl-2-pentanone	ND	ug/l	10.				
2-Hexanone	ND	ug/l	10.				
Bromochloromethane	ND	ug/l	5.0				
2,2-Dichloropropane	ND	ug/l	5.0				
1,2-Dibromoethane	ND	ug/l	4.0				
1,3-Dichloropropane	ND	ug/l	5.0				
1,1,1,2-Tetrachloroethane	ND	ug/l	1.0				
Bromobenzene	ND	ug/l	5.0				
n-Butylbenzene	2.5	ug/l	1.0				
sec-Butylbenzene	2.0	ug/l	1.0				
tert-Butylbenzene	ND	ug/l	5.0				
o-Chlorotoluene	ND	ug/l	5.0				
p-Chlorotoluene	ND	ug/l	5.0				
1,2-Dibromo-3-chloropropane	ND	ug/l	5.0				
Hexachlorobutadiene	ND	ug/l	1.2				
Isopropylbenzene	5.1	ug/l	1.0				
p-Isopropyltoluene	8.2	ug/l	1.0				
Naphthalene	ND	ug/l	5.0				
n-Propylbenzene	8.2	ug/l	1.0				
1,2,3-Trichlorobenzene	ND	ug/l	5.0				
1,2,4-Trichlorobenzene	ND	ug/l	5.0				
1,3,5-Trimethylbenzene	ND	ug/l	5.0				
1,2,4-Trimethylbenzene	64	ug/l	5.0				
1,4-Diethylbenzene	ND	ug/l	4.0				
4-Ethyltoluene	6.6	ug/l	4.0				
1,2,4,5-Tetramethylbenzene	4.6	ug/l	4.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	99.0	%	70-130				
Toluene-d8	98.0	%	70-130				
4-Bromofluorobenzene	106	%	70-130				
Dibromofluoromethane	92.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-28
MW-28D
Sample Matrix: WATER

Date Collected: 30-SEP-2008 10:25
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1006 20:01	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	1.0	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	0.89	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	1.0	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-28
MW-28D

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1006 20:01	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	101	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	106	%	70-130				
Dibromofluoromethane	93.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LAO00065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-29
MW-23R
Sample Matrix: WATER

Date Collected: 30-SEP-2008 10:29
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1006 20:38	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	3.1	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	2.8	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-29
MW-23R

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1006 20:38	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	103	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	106	%	70-130				
Dibromofluoromethane	92.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-30
MW-X
Sample Matrix: WATER

Date Collected: 30-SEP-2008 06:00
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1006 18:48	PD
Methylene chloride	ND	ug/l	5000				
1,1-Dichloroethane	1900	ug/l	750				
Chloroform	ND	ug/l	750				
Carbon tetrachloride	ND	ug/l	500				
1,2-Dichloropropane	ND	ug/l	1800				
Dibromochloromethane	ND	ug/l	500				
1,1,2-Trichloroethane	ND	ug/l	750				
Tetrachloroethene	5900	ug/l	500				
Chlorobenzene	ND	ug/l	500				
Trichlorofluoromethane	ND	ug/l	2500				
1,2-Dichloroethane	ND	ug/l	500				
1,1,1-Trichloroethane	620	ug/l	500				
Bromodichloromethane	ND	ug/l	500				
trans-1,3-Dichloropropene	ND	ug/l	500				
cis-1,3-Dichloropropene	ND	ug/l	500				
1,1-Dichloropropene	ND	ug/l	2500				
Bromoform	ND	ug/l	2000				
1,1,2,2-Tetrachloroethane	ND	ug/l	500				
Benzene	1500	ug/l	500				
Toluene	1700	ug/l	750				
Ethylbenzene	560	ug/l	500				
Chloromethane	ND	ug/l	2500				
Bromomethane	ND	ug/l	1000				
Vinyl chloride	4800	ug/l	1000				
Chloroethane	ND	ug/l	1000				
1,1-Dichloroethene	ND	ug/l	500				
trans-1,2-Dichloroethene	ND	ug/l	750				
Trichloroethene	1200	ug/l	500				
1,2-Dichlorobenzene	ND	ug/l	2500				
1,3-Dichlorobenzene	ND	ug/l	2500				
1,4-Dichlorobenzene	ND	ug/l	2500				
Methyl tert butyl ether	ND	ug/l	1000				
p/m-Xylene	2000	ug/l	1000				
o-Xylene	ND	ug/l	1000				
cis-1,2-Dichloroethene	43000	ug/l	500				
Dibromomethane	ND	ug/l	5000				
1,2,3-Trichloropropane	ND	ug/l	5000				
Acrylonitrile	ND	ug/l	5000				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-30
MW-X

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1006 18:48	PD
Styrene	ND	ug/l	1000				
Dichlorodifluoromethane	ND	ug/l	5000				
Acetone	ND	ug/l	5000				
Carbon disulfide	ND	ug/l	5000				
2-Butanone	ND	ug/l	5000				
Vinyl acetate	ND	ug/l	5000				
4-Methyl-2-pentanone	ND	ug/l	5000				
2-Hexanone	ND	ug/l	5000				
Bromochloromethane	ND	ug/l	2500				
2,2-Dichloropropane	ND	ug/l	2500				
1,2-Dibromoethane	ND	ug/l	2000				
1,3-Dichloropropane	ND	ug/l	2500				
1,1,1,2-Tetrachloroethane	ND	ug/l	500				
Bromobenzene	ND	ug/l	2500				
n-Butylbenzene	ND	ug/l	500				
sec-Butylbenzene	ND	ug/l	500				
tert-Butylbenzene	ND	ug/l	2500				
o-Chlorotoluene	ND	ug/l	2500				
p-Chlorotoluene	ND	ug/l	2500				
1,2-Dibromo-3-chloropropane	ND	ug/l	2500				
Hexachlorobutadiene	ND	ug/l	600				
Isopropylbenzene	ND	ug/l	500				
p-Isopropyltoluene	ND	ug/l	500				
Naphthalene	ND	ug/l	2500				
n-Propylbenzene	ND	ug/l	500				
1,2,3-Trichlorobenzene	ND	ug/l	2500				
1,2,4-Trichlorobenzene	ND	ug/l	2500				
1,3,5-Trimethylbenzene	ND	ug/l	2500				
1,2,4-Trimethylbenzene	ND	ug/l	2500				
1,4-Diethylbenzene	ND	ug/l	2000				
4-Ethyltoluene	ND	ug/l	2000				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2000				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	103	%	70-130
Toluene-d8	100	%	70-130
4-Bromofluorobenzene	108	%	70-130
Dibromofluoromethane	95.0	%	70-130

Comments:-Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-31
MW-13S
Sample Matrix: WATER

Date Collected: 30-SEP-2008 00:00
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1006 21:14	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	2.0	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	1.2	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	0.86	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	3.2	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-31
MW-13S

PARAMETER	RESULT	UNITS	RDL	REF-METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1006 21:14	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	102	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	106	%	70-130				
Dibromofluoromethane	93.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0814560-32
TRIP BLANK
Sample Matrix: WATER

Date Collected: 23-SEP-2008 20:40
Date Received : 01-OCT-2008
Date Reported : 07-OCT-2008

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B				1 8260B		1006 21:50	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0814560-32
TRIP BLANK

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by EPA 8260B cont'd				1 8260B		1006 21:50	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	102	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	105	%	70-130				
Dibromofluoromethane	93.0	%	70-130				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0814560

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by EPA 8260B for sample(s) 01,03,07-08,12-13 (WG338813-1, WG338813-2)					
Chlorobenzene	98	96	2	20	75-130
Benzene	98	96	2	20	76-127
Toluene	98	98	0	20	76-125
1,1-Dichloroethene	96	94	2	20	61-145
Trichloroethene	93	90	3	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	104	100	4		70-130
Toluene-d8	100	101	1		70-130
4-Bromofluorobenzene	102	104	2		70-130
Dibromofluoromethane	98	95	3		70-130
Volatile Organics by EPA 8260B for sample(s) 09,20,22-23 (WG338838-1, WG338838-2)					
Chlorobenzene	96	108	12	20	75-130
Benzene	92	101	9	20	76-127
Toluene	95	106	11	20	76-125
1,1-Dichloroethene	91	100	9	20	61-145
Trichloroethene	88	98	11	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	101	101	0		70-130
Toluene-d8	100	99	1		70-130
4-Bromofluorobenzene	103	103	0		70-130
Dibromofluoromethane	97	97	0		70-130
Volatile Organics by EPA 8260B for sample(s) 02,04-06,10-11,13-19,27 (WG338813-4, WG338813-5)					
Chlorobenzene	104	103	5	20	75-130
Benzene	96	95	3	20	76-127
Toluene	102	102	4	20	76-125
1,1-Dichloroethene	94	94	2	20	61-145
Trichloroethene	93	94	1	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	100	99	1		70-130
Toluene-d8	100	101	1		70-130
4-Bromofluorobenzene	103	104	1		70-130
Dibromofluoromethane	96	96	0		70-130
Volatile Organics by EPA 8260B for sample(s) 21,24-26,28-32 (WG338932-1, WG338932-2)					
Chlorobenzene	97	101	4	20	75-130
Benzene	96	98	2	20	76-127
Toluene	99	101	2	20	76-125
1,1-Dichloroethene	94	98	4	20	61-145
Trichloroethene	93	95	2	20	71-120
Surrogate(s)					
1,2-Dichloroethane-d4	100	102	2		70-130
Toluene-d8	100	100	0		70-130

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH LCS/LCSD ANALYSIS

Laboratory Job Number: L0814560

Continued

Parameter	LCS %	LCSD %	RPD	RPD Limit	QC Limits
Volatile Organics by EPA 8260B for sample(s) 21,24-26,28-32 (WG338932-1, WG338932-2)					
4-Bromofluorobenzene	104	105	1		70-130
Dibromofluoromethane	96	97	1		70-130

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0814560

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01,03,07-08,12-13 (WG338813-3)							
Volatile Organics by EPA 8260B				1 8260B		1004 12:33 PD	
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0814560

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01,03,07-08,12-13 (WG338813-3)							
Volatile Organics by EPA 8260B cont'd				1 8260B		1004 12:33	PD
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	103	%	70-130				
Toluene-d8	102	%	70-130				
4-Bromofluorobenzene	108	%	70-130				
Dibromofluoromethane	92.0	%	70-130				
Blank Analysis for sample(s) 02,04-06,10-11,13-19,27 (WG338813-6)							
Volatile Organics by EPA 8260B				1 8260B		1005 13:37	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0814560

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02,04-06,10-11,13-19,27 (WG338813-6)							
Volatile Organics by EPA 8260B cont'd				1 8260B		1005 13:37	PD
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0814560

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 02,04-06,10-11,13-19,27 (WG338813-6)							
Volatile Organics by EPA 8260B cont'd				1 8260B		1005 13:37	PD
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	101	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	105	%	70-130				
Dibromofluoromethane	93.0	%	70-130				
Blank Analysis for sample(s) 09,20,22-23 (WG338838-3)							
Volatile Organics by EPA 8260B				1 8260B		1006 08:58	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0814560

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 09,20,22-23 (WG338838-3)							
Volatile Organics by EPA 8260B cont'd				1 8260B		1006 08:58	PD
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0814560

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 09,20,22-23 (WG338838-3)							
Volatile Organics by EPA 8260B cont'd				1 8260B		1006 08:58	PD
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	104	%	70-130				
Toluene-d8	101	%	70-130				
4-Bromofluorobenzene	107	%	70-130				
Dibromofluoromethane	93.0	%	70-130				
Blank Analysis for sample(s) 21,24-26,28-32 (WG338932-3)							
Volatile Organics by EPA 8260B				1 8260B		1006 16:23	PD
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	1.0				
o-Xylene	ND	ug/l	1.0				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Acrylonitrile	ND	ug/l	5.0				

ALPHA ANALYTICAL
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0814560

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 21,24-26,28-32 (WG338932-3)							
Volatile Organics by EPA 8260B cont'd				1 8260B		1006 16:23	PD
Styrene	ND	ug/l	1.0				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.0				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	0.60				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
1,4-Diethylbenzene	ND	ug/l	2.0				
4-Ethyltoluene	ND	ug/l	2.0				
1,2,4,5-Tetramethylbenzene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
1,2-Dichloroethane-d4	102	%	70-130				
Toluene-d8	100	%	70-130				
4-Bromofluorobenzene	108	%	70-130				
Dibromofluoromethane	92.0	%	70-130				

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

GLOSSARY OF TERMS AND SYMBOLS

REF	Reference number in which test method may be found.
METHOD	Method number by which analysis was performed.
ID	Initials of the analyst.
ND	Not detected in comparison to the reported detection limit.
NI	Not Ignitable.
ug/cart	Micrograms per Cartridge.
H	The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

CHAIN OF CUSTODY

PAGE 1 OF 4

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Client Information

Client: Triumvirate Environmental
Address: 61 Inner Belt Roac
Somerville, MA 02143
Phone: 800-966-8292
Fax:
Email: ~~dburns~~@triumvirate.com, ~~mjames~~@triumvirate.com C.Sasse

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Astoria, NY
Project Location: Triumvirate, NY
Project #: 750
Project Manager: C.Sasse
ALPHA Quote #: 2008497

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 10/8 Time:

Date Rec'd in Lab: 10/1

ALPHA Job #: L0814560

Report Information Data Deliverables: ~~☒ FAX~~ void ~~☒ ADEx~~ ☒ EMAIL ☐ Add'l Deliverables

Billing Information: ☐ Same as Client info PO #: 11073

Regulatory Requirements/Report Limits

State/Fed Program: NYSDEC
Criteria:

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOC 8260	TOTAL # BOTTLES
4560.1	PZ-1	9/29/08	2:00	GW	MCB	X	2
2	MW-5	↓	2:12	↓	↓	X	2
3	MW-16		2:30			X	2
4	APMW-1		2:36			X	2
5	APMW-2		2:45			X	2
6	MW-29		2:50		JB	X	2
7	MW-33		3:00			X	2
8	MW-34		3:08			X	2
9	MW-29D		3:20			X	2
10	MW-19I		3:30			X	2

Container Type: VOA
Preservative: HCl

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9/30/08 1000	TEI Andes	9/29 1000
Ink from Fridge	10/1/08 1505	Don Bauchs	10/1/08 1505
Don Bauchs	10/1/08 1740	[signature]	10/1 1740

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO: 01-01(I) (rev 30-JUL-07)

CHAIN OF CUSTODY

PAGE 1 OF 4

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 10/1

ALPHA Job #: L0814560

Client Information

Client: Triumvirate Environmental
Address: 61 Inner Belt Roac
Somerville, MA 02143
Phone:
Fax:
Email: ~~dburns@triumvirate.com~~, mjames@triumvirate.com CCusick

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Astoria, NY
Project Location: Triumvirate, NY
Project #: 750
Project Manager: C. Cusick
ALPHA Quote #: 2008497

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: 10/8 Time:

Other Project Specific Requirements/Comments/Detection Limits:

Report Information — Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client Info PO #: 110772

Regulatory Requirements/Report Limits

State/Fed Program: NYS DEC
Criteria:

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS: VOC 8260

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOC 8260	TOTAL # BOTTLES
4560-11	MW-19	9/29/08	3:45	GW	JFB	X	2
12	MW-6		4:25		JFB	X	2
13	MW-32		4:30		MCB	X	2
14	MW-24		4:42		JFB	X	2
15	MW-20D		4:50		JFB	X	2
16	MW-20S		5:05		JFB	X	2
17	MW-26	9/30	8:15		MCB	X	2
18	MW-25	9/30	8:30		MCB	X	2
19	MW-22S	9/30	9:35		JFB	X	2
20	MW-27	9/30	9:00		JFB	X	2
					Container Type	VOA	
					Preservative	HCl	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
	9/30/08 1000	TEI Bridge	9/30 1000
Took From Fridge	10/1/08 1505	Don Burns	10/1/8 1505
Don Burns	10/1/08 1740		10/1 1740

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO. 01-01(I) (rev. 30 JUL-07)

CHAIN OF CUSTODY

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ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 10/1

ALPHA Job #: L0814560

Client Information

Client: Triumvirate Environmental

Address: 61 Inner Belt Road

Somerville, MA 02143

Phone: 800-966-8292

Fax:

Email: ~~dburgs~~@triumvirate.com, CSasse
~~mjames~~@triumvirate.com

☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Astoria, NY

Project Location: Triumvirate, NY

Project #: 750

Project Manager: C. Sasse

ALPHA Quote #: 2008497

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)

Due Date: 10/8 Time:

Report Information Data Deliverables

☐ FAX ☒ EMAIL

☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client Info PO #: 11073

Regulatory Requirements/Report Limits

State/Fed Program: NYS DEC

Criteria:

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☒ No Are MCP Analytical Methods Required?

☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: VOCs 8260	Sample Specific Comments	TOTAL # BOTTLES
4560-21	mw-12S	9/30/08	915	GW	JFB	X		2
22	mw-12I	↓	922	↓	↓	X		2
23	mw-35	↓	930	↓	↓	X		2
24	mw-36	↓	935	↓	↓	X		2
25	mw-30	↓	~~0~~947	↓	↓	X		2
26	mw-~~[illegible]~~31	↓	1003	↓	↓	X		2
27	MW-28	↓	0:30	↓	MCB	X		2
28	MW-23D	↓	10:25	↓	MCB	X		2
29	mw-23R	↓	10:29	↓	MCB	X		2
30	MW-X	↓	6:00	GW	MCB	X		2

PLEASE ANSWER QUESTIONS ABOVE!

Container Type: VOA
Preservative: HCl

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	9/30/08 1600	TEI Fridge	9/30/08 1600
TEI Fridge	10/1/08 1505	Don Bauche	10/1/08 1505
Don Bauche	10/1/08 1740	[signature]	10/1 1740

IS YOUR PROJECT MA MCP or CT RCP?

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

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CHAIN OF CUSTODY

PAGE 4 OF 4

ALPHA ANALYTICAL

Westborough, MA TEL: 508-898-9220 FAX: 508-898-9193
Mansfield, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 10/1

ALPHA Job #: L0814560

Client Information

Client: Triumvirate Environmental
Address: 61 Inner Belt Road
Somerville, MA 02143
Phone 800-966-8292
Fax:
Email: dburns@triumvirate.com, mjames@triumvirate.com
☐ These samples have been Previously analyzed by Alpha

Project Information

Project Name: Astoria, New York
Project Location: Triumvirate, NY
Project #: 750
Project Manager: C. Sussy
ALPHA Quote #: 208497

Turn-Around Time

☒ Standard ☐ Rush (ONLY IF PRE-APPROVED)
Due Date: 10/8 Time:

Other Project Specific Requirements/Comments/Detection Limits:

Report Information Data Deliverables

☐ FAX ☒ EMAIL
☒ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #: 11073

Regulatory Requirements/Report Limits

State/Fed Program: NYS DEC
Criteria:

MCP PRESUMPTIVE CERTAINTY-CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☒ No Are MCP Analytical Methods Required?
☐ Yes ☒ No Are CT RCP (Reasonable Confidence Protocols) Required?

ANALYSIS

VOCs 8260

SAMPLE HANDLING
Filtration
☐ Done
☐ Not Needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

Sample Specific Comments

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	VOCs 8260	TOTAL # BOTTLES
4560-01	MW-135	9/30/08		GW	JFB	X	2

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

	Container Type	VOA											
	Preservative	HCl											

Relinquished By:	Date/Time	Received By:	Date/Time
	9/30/08 1000	TGF Fredge	9/30/08 1000
TGF Fredge	10/1/08 1505	Don Burns	10/1/08 1805
Don Burns	10/1/08 1740		10/1 1740

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms.

FORM NO. 01-01(I) (rev. 30-JUL-07)

APPENDIX B

ANALYTICAL REPORT

Lab Number:	L0814578
Client:	Triumvirate Environmental 61 Inner Belt Road Somerville, MA 02143
ATTN:	Craig Sasse
Project Name:	19TH AVENUE
Project Number:	750
Report Date:	10/13/08

Certifications & Approvals: MA (M-MA030), NY (11627), CT (PH-0141), NH (2206), NJ (MA015), RI (LAO00299), ME (MA0030), PA (Registration #68-02089), LA NELAC (03090), FL NELAC (E87814), US Army Corps of Engineers.

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

Alpha Sample ID	Client ID	Sample Location
L0814578-01	SGP-11	ASTORIA
L0814578-02	SGP-8	ASTORIA
L0814578-03	SGP-6	ASTORIA
L0814578-04	SGP-14	ASTORIA
L0814578-05	SGP-16	ASTORIA
L0814578-06	SGP-18	ASTORIA
L0814578-07	SGP-2	ASTORIA
L0814578-08	SAMPLE DUPLICATE	ASTORIA
L0814578-09	TRIP BLANK	ASTORIA

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

TO-15

L0814578-01 has elevated detection limits due to the 112.9x dilution required by the elevated concentrations of target compounds in the sample.

L0814578-01 required re-analysis on a 564.6x dilution in order to quantitate the sample within the calibration range. The result is reported as a "greater than" value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the calibration range.

L0814578-02, -03, -07 and -08 have elevated detection limits due to the 25x dilution required by the elevated concentrations of target compounds in the sample.

L0814578-02 required re-analysis on a 127.2x dilution in order to quantitate the sample within the calibration range. The result is reported as a "greater than" value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the calibration range.

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

Case Narrative (continued)

L0814578-04 and -06 have elevated detection limits due to the 10x dilution required by the elevated concentrations of target compounds in the sample.
L0814578-05 has elevated detection limits due to the 5x dilution required by the elevated concentrations of target compounds in the sample.
L0814578-05 required re-analysis on a 10x dilution in order to quantitate the sample within the calibration range. The result is reported as a "greater than" value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the calibration range.
L0814578-07 required re-analysis on a 123.3x dilution in order to quantitate the sample within the calibration range. The result is reported as a "greater than" value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the calibration range.
L0814578-08 required re-analysis on a 124.3x dilution in order to quantitate the sample within the calibration range. The result is reported as a "greater than" value for the compound that exceeded the calibration on the initial analysis. The re-analysis was performed only for the compound which exceeded the calibration range.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kathleen M. Ahern

Title: Technical Director/Representative

Date: 10/13/08

AIR

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-01
Client ID: SGP-11
Sample Location: ASTORIA
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/09/08 22:05
Analyst: RY

Date Collected: 09/30/08 13:25
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
1,1,1-Trichloroethane	682	22.6	3720	123		112.9
1,1,2,2-Tetrachloroethane	ND	22.6	ND	155.		112.9
1,1,2-Trichloroethane	ND	22.6	ND	123.		112.9
1,1-Dichloroethane	448	22.6	1810	91.3		112.9
1,1-Dichloroethene	ND	22.6	ND	89.4		112.9
1,2,4-Trichlorobenzene	ND	22.6	ND	167.		112.9
1,2,4-Trimethylbenzene	ND	22.6	ND	111.		112.9
1,2-Dibromoethane	ND	22.6	ND	173.		112.9
1,2-Dichlorobenzene	ND	22.6	ND	136.		112.9
1,2-Dichloroethane	ND	22.6	ND	91.3		112.9
1,2-Dichloropropane	ND	22.6	ND	104.		112.9
1,3,5-Trimethybenzene	ND	22.6	ND	111.		112.9
1,3-Butadiene	ND	22.6	ND	49.9		112.9
1,3-Dichlorobenzene	ND	22.6	ND	136.		112.9
1,4-Dichlorobenzene	ND	22.6	ND	136.		112.9
1,4-Dioxane	ND	22.6	ND	81.3		112.9
2,2,4-Trimethylpentane	ND	22.6	ND	105.		112.9
2-Butanone	ND	22.6	ND	66.5		112.9
2-Hexanone	ND	22.6	ND	92.4		112.9
3-Chloropropene	ND	22.6	ND	70.6		112.9
4-Ethyltoluene	ND	22.6	ND	111.		112.9
Acetone	ND	56.4	ND	134		112.9
Benzene	ND	22.6	ND	72.1		112.9
Benzyl chloride	ND	22.6	ND	117.		112.9
Bromodichloromethane	ND	22.6	ND	151.		112.9

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-01
Client ID: SGP-11
Sample Location: ASTORIA

Date Collected: 09/30/08 13:25
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Bromoform	ND	22.6	ND	233.		112.9
Bromomethane	ND	22.6	ND	87.6		112.9
Carbon disulfide	ND	22.6	ND	70.2		112.9
Carbon tetrachloride	ND	22.6	ND	142.		112.9
Chlorobenzene	ND	22.6	ND	104.		112.9
Chloroethane	ND	22.6	ND	59.5		112.9
Chloroform	44.0	22.6	214	110		112.9
Chloromethane	ND	22.6	ND	46.6		112.9
cis-1,2-Dichloroethene	5160	22.6	20400	89.4		112.9
cis-1,3-Dichloropropene	ND	22.6	ND	102.		112.9
Cyclohexane	ND	22.6	ND	77.6		112.9
Dibromochloromethane	ND	22.6	ND	192.		112.9
Dichlorodifluoromethane	ND	22.6	ND	112.		112.9
Ethanol	ND	282	ND	531		112.9
Ethyl Acetate	ND	56.4	ND	203.		112.9
Ethylbenzene	ND	22.6	ND	98.0		112.9
Freon-113	22.6	22.6	173	173		112.9
Freon-114	ND	22.6	ND	158.		112.9
Hexachlorobutadiene	ND	22.6	ND	241.		112.9
Isopropanol	ND	56.4	ND	139		112.9
Methylene chloride	ND	56.4	ND	196		112.9
4-Methyl-2-pentanone	ND	22.6	ND	92.4		112.9
Methyl tert butyl ether	ND	22.6	ND	81.3		112.9
p/m-Xylene	ND	45.2	ND	196		112.9
o-Xylene	ND	22.6	ND	98.0		112.9
Heptane	ND	22.6	ND	92.5		112.9
n-Hexane	ND	22.6	ND	79.5		112.9
Propylene	ND	22.6	ND	38.8		112.9

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-01
Client ID: SGP-11
Sample Location: ASTORIA

Date Collected: 09/30/08 13:25
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Styrene	ND	22.6	ND	96.1		112.9
Tetrachloroethene	>11290	22.6	>60670	153		112.9
Tetrahydrofuran	ND	22.6	ND	66.5		112.9
Toluene	ND	22.6	ND	85.0		112.9
trans-1,2-Dichloroethene	ND	22.6	ND	89.4		112.9
trans-1,3-Dichloropropene	ND	22.6	ND	102.		112.9
Trichloroethene	>11290	22.6	>76570	121		112.9
Trichlorofluoromethane	ND	22.6	ND	127.		112.9
Vinyl acetate	ND	22.6	ND	79.4		112.9
Vinyl bromide	ND	22.6	ND	98.7		112.9
Vinyl chloride	30.5	22.6	77.8	57.7		112.9

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-01 R
Client ID: SGP-11
Sample Location: ASTORIA
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/10/08 08:23
Analyst: RY

Date Collected: 09/30/08 13:25
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Tetrachloroethene	32700	113	222000	765		564.6
Trichloroethene	12100	113	65200	606		564.6

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-02
Client ID: SGP-8
Sample Location: ASTORIA
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/09/08 22:45
Analyst: RY

Date Collected: 09/30/08 13:33
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
1,1,1-Trichloroethane	61.3	5.00	334	27.2		25
1,1,2,2-Tetrachloroethane	ND	5.00	ND	34.3		25
1,1,2-Trichloroethane	ND	5.00	ND	27.2		25
1,1-Dichloroethane	205	5.00	829	20.2		25
1,1-Dichloroethene	ND	5.00	ND	19.8		25
1,2,4-Trichlorobenzene	ND	5.00	ND	37.1		25
1,2,4-Trimethylbenzene	ND	5.00	ND	24.6		25
1,2-Dibromoethane	ND	5.00	ND	38.4		25
1,2-Dichlorobenzene	ND	5.00	ND	30.0		25
1,2-Dichloroethane	ND	5.00	ND	20.2		25
1,2-Dichloropropane	ND	5.00	ND	23.1		25
1,3,5-Trimethybenzene	ND	5.00	ND	24.6		25
1,3-Butadiene	ND	5.00	ND	11.0		25
1,3-Dichlorobenzene	ND	5.00	ND	30.0		25
1,4-Dichlorobenzene	ND	5.00	ND	30.0		25
1,4-Dioxane	ND	5.00	ND	18.0		25
2,2,4-Trimethylpentane	ND	5.00	ND	23.3		25
2-Butanone	ND	5.00	ND	14.7		25
2-Hexanone	ND	5.00	ND	20.5		25
3-Chloropropene	ND	5.00	ND	15.6		25
4-Ethyltoluene	ND	5.00	ND	24.6		25
Acetone	16.1	12.5	38.2	29.7		25
Benzene	ND	5.00	ND	16.0		25
Benzyl chloride	ND	5.00	ND	25.9		25
Bromodichloromethane	ND	5.00	ND	33.5		25

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-02
Client ID: SGP-8
Sample Location: ASTORIA

Date Collected: 09/30/08 13:33
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Bromoform	ND	5.00	ND	51.6		25
Bromomethane	ND	5.00	ND	19.4		25
Carbon disulfide	ND	5.00	ND	15.6		25
Carbon tetrachloride	ND	5.00	ND	31.4		25
Chlorobenzene	ND	5.00	ND	23.0		25
Chloroethane	ND	5.00	ND	13.2		25
Chloroform	361	5.00	1760	24.4		25
Chloromethane	ND	5.00	ND	10.3		25
cis-1,2-Dichloroethene	>2500	5	>9910	19.8		25
cis-1,3-Dichloropropene	ND	5.00	ND	22.7		25
Cyclohexane	ND	5.00	ND	17.2		25
Dibromochloromethane	ND	5.00	ND	42.6		25
Dichlorodifluoromethane	ND	5.00	ND	24.7		25
Ethanol	89.7	62.5	169	118		25
Ethyl Acetate	ND	12.5	ND	45.0		25
Ethylbenzene	6.13	5.00	26.6	21.7		25
Freon-113	ND	5.00	ND	38.3		25
Freon-114	ND	5.00	ND	34.9		25
Hexachlorobutadiene	ND	5.00	ND	53.3		25
Isopropanol	ND	12.5	ND	30.7		25
Methylene chloride	ND	12.5	ND	43.4		25
4-Methyl-2-pentanone	ND	5.00	ND	20.5		25
Methyl tert butyl ether	ND	5.00	ND	18.0		25
p/m-Xylene	16.6	10.0	72.0	43.4		25
o-Xylene	8.52	5.00	37.0	21.7		25
Heptane	ND	5.00	ND	20.5		25
n-Hexane	ND	5.00	ND	17.6		25
Propylene	ND	5.00	ND	8.60		25

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-02
Client ID: SGP-8
Sample Location: ASTORIA

Date Collected: 09/30/08 13:33
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Styrene	ND	5.00	ND	21.3		25
Tetrachloroethene	>2500	5	>16960	33.9		25
Tetrahydrofuran	ND	5.00	ND	14.7		25
Toluene	9.92	5.00	37.4	18.8		25
trans-1,2-Dichloroethene	174	5.00	689	19.8		25
trans-1,3-Dichloropropene	ND	5.00	ND	22.7		25
Trichloroethene	>2500	5	>13430	26.8		25
Trichlorofluoromethane	ND	5.00	ND	28.1		25
Vinyl acetate	ND	5.00	ND	17.6		25
Vinyl bromide	ND	5.00	ND	21.8		25
Vinyl chloride	6.03	5.00	15.4	12.8		25

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-02 R
Client ID: SGP-8
Sample Location: ASTORIA
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/10/08 10:17
Analyst: RY

Date Collected: 09/30/08 13:33
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
cis-1,2-Dichloroethene	3560	25.4	14100	101		127.2
Tetrachloroethene	5760	25.4	39100	172		127.2
Trichloroethene	4200	25.4	22500	136		127.2

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-03
Client ID: SGP-6
Sample Location: ASTORIA
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/09/08 23:18
Analyst: RY

Date Collected: 09/30/08 13:43
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
1,1,1-Trichloroethane	11.2	5.00	61.1	27.2		25
1,1,2,2-Tetrachloroethane	ND	5.00	ND	34.3		25
1,1,2-Trichloroethane	ND	5.00	ND	27.2		25
1,1-Dichloroethane	9.13	5.00	36.9	20.2		25
1,1-Dichloroethene	ND	5.00	ND	19.8		25
1,2,4-Trichlorobenzene	ND	5.00	ND	37.1		25
1,2,4-Trimethylbenzene	ND	5.00	ND	24.6		25
1,2-Dibromoethane	ND	5.00	ND	38.4		25
1,2-Dichlorobenzene	ND	5.00	ND	30.0		25
1,2-Dichloroethane	ND	5.00	ND	20.2		25
1,2-Dichloropropane	ND	5.00	ND	23.1		25
1,3,5-Trimethybenzene	ND	5.00	ND	24.6		25
1,3-Butadiene	ND	5.00	ND	11.0		25
1,3-Dichlorobenzene	ND	5.00	ND	30.0		25
1,4-Dichlorobenzene	ND	5.00	ND	30.0		25
1,4-Dioxane	ND	5.00	ND	18.0		25
2,2,4-Trimethylpentane	ND	5.00	ND	23.3		25
2-Butanone	ND	5.00	ND	14.7		25
2-Hexanone	ND	5.00	ND	20.5		25
3-Chloropropene	ND	5.00	ND	15.6		25
4-Ethyltoluene	ND	5.00	ND	24.6		25
Acetone	ND	12.5	ND	29.7		25
Benzene	ND	5.00	ND	16.0		25
Benzyl chloride	ND	5.00	ND	25.9		25
Bromodichloromethane	ND	5.00	ND	33.5		25

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-03
Client ID: SGP-6
Sample Location: ASTORIA

Date Collected: 09/30/08 13:43
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Bromoform	ND	5.00	ND	51.6		25
Bromomethane	ND	5.00	ND	19.4		25
Carbon disulfide	ND	5.00	ND	15.6		25
Carbon tetrachloride	ND	5.00	ND	31.4		25
Chlorobenzene	ND	5.00	ND	23.0		25
Chloroethane	ND	5.00	ND	13.2		25
Chloroform	41.1	5.00	200	24.4		25
Chloromethane	ND	5.00	ND	10.3		25
cis-1,2-Dichloroethene	177	5.00	701	19.8		25
cis-1,3-Dichloropropene	ND	5.00	ND	22.7		25
Cyclohexane	ND	5.00	ND	17.2		25
Dibromochloromethane	ND	5.00	ND	42.6		25
Dichlorodifluoromethane	ND	5.00	ND	24.7		25
Ethanol	ND	62.5	ND	118		25
Ethyl Acetate	ND	12.5	ND	45.0		25
Ethylbenzene	6.40	5.00	27.8	21.7		25
Freon-113	ND	5.00	ND	38.3		25
Freon-114	ND	5.00	ND	34.9		25
Hexachlorobutadiene	ND	5.00	ND	53.3		25
Isopropanol	ND	12.5	ND	30.7		25
Methylene chloride	ND	12.5	ND	43.4		25
4-Methyl-2-pentanone	ND	5.00	ND	20.5		25
Methyl tert butyl ether	ND	5.00	ND	18.0		25
p/m-Xylene	16.8	10.0	72.8	43.4		25
o-Xylene	8.24	5.00	35.7	21.7		25
Heptane	ND	5.00	ND	20.5		25
n-Hexane	ND	5.00	ND	17.6		25
Propylene	ND	5.00	ND	8.60		25

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-03
Client ID: SGP-6
Sample Location: ASTORIA

Date Collected: 09/30/08 13:43
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Styrene	ND	5.00	ND	21.3		25
Tetrachloroethene	1310	5.00	8860	33.9		25
Tetrahydrofuran	ND	5.00	ND	14.7		25
Toluene	9.64	5.00	36.3	18.8		25
trans-1,2-Dichloroethene	ND	5.00	ND	19.8		25
trans-1,3-Dichloropropene	ND	5.00	ND	22.7		25
Trichloroethene	451	5.00	2420	26.8		25
Trichlorofluoromethane	ND	5.00	ND	28.1		25
Vinyl acetate	ND	5.00	ND	17.6		25
Vinyl bromide	ND	5.00	ND	21.8		25
Vinyl chloride	ND	5.00	ND	12.8		25

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-04
Client ID: SGP-14
Sample Location: ASTORIA
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/09/08 23:52
Analyst: RY

Date Collected: 09/30/08 13:54
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
1,1,1-Trichloroethane	4.92	2.00	26.8	10.9		10
1,1,2,2-Tetrachloroethane	ND	2.00	ND	13.7		10
1,1,2-Trichloroethane	ND	2.00	ND	10.9		10
1,1-Dichloroethane	22.9	2.00	92.5	8.09		10
1,1-Dichloroethene	ND	2.00	ND	7.92		10
1,2,4-Trichlorobenzene	ND	2.00	ND	14.8		10
1,2,4-Trimethylbenzene	ND	2.00	ND	9.82		10
1,2-Dibromoethane	ND	2.00	ND	15.4		10
1,2-Dichlorobenzene	ND	2.00	ND	12.0		10
1,2-Dichloroethane	2.18	2.00	8.83	8.09		10
1,2-Dichloropropane	ND	2.00	ND	9.24		10
1,3,5-Trimethybenzene	ND	2.00	ND	9.82		10
1,3-Butadiene	ND	2.00	ND	4.42		10
1,3-Dichlorobenzene	ND	2.00	ND	12.0		10
1,4-Dichlorobenzene	ND	2.00	ND	12.0		10
1,4-Dioxane	ND	2.00	ND	7.20		10
2,2,4-Trimethylpentane	ND	2.00	ND	9.34		10
2-Butanone	ND	2.00	ND	5.89		10
2-Hexanone	ND	2.00	ND	8.19		10
3-Chloropropene	ND	2.00	ND	6.26		10
4-Ethyltoluene	ND	2.00	ND	9.82		10
Acetone	17.2	5.00	40.8	11.9		10
Benzene	ND	2.00	ND	6.38		10
Benzyl chloride	ND	2.00	ND	10.3		10
Bromodichloromethane	ND	2.00	ND	13.4		10

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-04
Client ID: SGP-14
Sample Location: ASTORIA

Date Collected: 09/30/08 13:54
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Bromoform	ND	2.00	ND	20.6		10
Bromomethane	ND	2.00	ND	7.76		10
Carbon disulfide	2.33	2.00	7.26	6.22		10
Carbon tetrachloride	ND	2.00	ND	12.6		10
Chlorobenzene	ND	2.00	ND	9.20		10
Chloroethane	ND	2.00	ND	5.27		10
Chloroform	32.9	2.00	160	9.76		10
Chloromethane	ND	2.00	ND	4.13		10
cis-1,2-Dichloroethene	270	2.00	1070	7.92		10
cis-1,3-Dichloropropene	ND	2.00	ND	9.07		10
Cyclohexane	ND	2.00	ND	6.88		10
Dibromochloromethane	ND	2.00	ND	17.0		10
Dichlorodifluoromethane	ND	2.00	ND	9.88		10
Ethanol	42.9	25.0	80.7	47.1		10
Ethyl Acetate	ND	5.00	ND	18.0		10
Ethylbenzene	4.21	2.00	18.2	8.68		10
Freon-113	ND	2.00	ND	15.3		10
Freon-114	ND	2.00	ND	14.0		10
Hexachlorobutadiene	ND	2.00	ND	21.3		10
Isopropanol	ND	5.00	ND	12.3		10
Methylene chloride	ND	5.00	ND	17.4		10
4-Methyl-2-pentanone	ND	2.00	ND	8.19		10
Methyl tert butyl ether	ND	2.00	ND	7.20		10
p/m-Xylene	9.43	4.00	40.9	17.4		10
o-Xylene	4.91	2.00	21.3	8.68		10
Heptane	ND	2.00	ND	8.19		10
n-Hexane	ND	2.00	ND	7.04		10
Propylene	ND	2.00	ND	3.44		10

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-04
Client ID: SGP-14
Sample Location: ASTORIA

Date Collected: 09/30/08 13:54
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Styrene	ND	2.00	ND	8.51		10
Tetrachloroethene	713	2.00	4830	13.6		10
Tetrahydrofuran	ND	2.00	ND	5.89		10
Toluene	8.37	2.00	31.5	7.53		10
trans-1,2-Dichloroethene	4.39	2.00	17.4	7.92		10
trans-1,3-Dichloropropene	ND	2.00	ND	9.07		10
Trichloroethene	235	2.00	1260	10.7		10
Trichlorofluoromethane	ND	2.00	ND	11.2		10
Vinyl acetate	ND	2.00	ND	7.04		10
Vinyl bromide	ND	2.00	ND	8.74		10
Vinyl chloride	2.84	2.00	7.27	5.11		10

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-05
Client ID: SGP-16
Sample Location: ASTORIA
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/10/08 00:28
Analyst: RY

Date Collected: 09/30/08 14:03
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
1,1,1-Trichloroethane	6.98	1.00	38.1	5.45		5
1,1,2,2-Tetrachloroethane	ND	1.00	ND	6.86		5
1,1,2-Trichloroethane	ND	1.00	ND	5.45		5
1,1-Dichloroethane	19.5	1.00	78.8	4.04		5
1,1-Dichloroethene	ND	1.00	ND	3.96		5
1,2,4-Trichlorobenzene	ND	1.00	ND	7.42		5
1,2,4-Trimethylbenzene	1.27	1.00	6.26	4.91		5
1,2-Dibromoethane	ND	1.00	ND	7.68		5
1,2-Dichlorobenzene	ND	1.00	ND	6.01		5
1,2-Dichloroethane	2.09	1.00	8.45	4.04		5
1,2-Dichloropropane	ND	1.00	ND	4.62		5
1,3,5-Trimethybenzene	ND	1.00	ND	4.91		5
1,3-Butadiene	ND	1.00	ND	2.21		5
1,3-Dichlorobenzene	ND	1.00	ND	6.01		5
1,4-Dichlorobenzene	ND	1.00	ND	6.01		5
1,4-Dioxane	ND	1.00	ND	3.60		5
2,2,4-Trimethylpentane	ND	1.00	ND	4.67		5
2-Butanone	ND	1.00	ND	2.95		5
2-Hexanone	ND	1.00	ND	4.09		5
3-Chloropropene	ND	1.00	ND	3.13		5
4-Ethyltoluene	ND	1.00	ND	4.91		5
Acetone	ND	2.50	ND	5.93		5
Benzene	1.29	1.00	4.11	3.19		5
Benzyl chloride	ND	1.00	ND	5.17		5
Bromodichloromethane	ND	1.00	ND	6.70		5

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-05
Client ID: SGP-16
Sample Location: ASTORIA

Date Collected: 09/30/08 14:03
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Bromoform	ND	1.00	ND	10.3		5
Bromomethane	ND	1.00	ND	3.88		5
Carbon disulfide	ND	1.00	ND	3.11		5
Carbon tetrachloride	ND	1.00	ND	6.29		5
Chlorobenzene	ND	1.00	ND	4.60		5
Chloroethane	1.49	1.00	3.94	2.64		5
Chloroform	29.9	1.00	146	4.88		5
Chloromethane	ND	1.00	ND	2.06		5
cis-1,2-Dichloroethene	118	1.00	468	3.96		5
cis-1,3-Dichloropropene	ND	1.00	ND	4.53		5
Cyclohexane	1.61	1.00	5.53	3.44		5
Dibromochloromethane	ND	1.00	ND	8.51		5
Dichlorodifluoromethane	ND	1.00	ND	4.94		5
Ethanol	45.0	12.5	84.7	23.5		5
Ethyl Acetate	ND	2.50	ND	9.00		5
Ethylbenzene	6.40	1.00	27.8	4.34		5
Freon-113	1.64	1.00	12.5	7.66		5
Freon-114	ND	1.00	ND	6.98		5
Hexachlorobutadiene	ND	1.00	ND	10.6		5
Isopropanol	ND	2.50	ND	6.14		5
Methylene chloride	ND	2.50	ND	8.68		5
4-Methyl-2-pentanone	ND	1.00	ND	4.09		5
Methyl tert butyl ether	2.80	1.00	10.1	3.60		5
p/m-Xylene	16.9	2.00	73.3	8.68		5
o-Xylene	8.58	1.00	37.2	4.34		5
Heptane	ND	1.00	ND	4.10		5
n-Hexane	1.21	1.00	4.25	3.52		5
Propylene	ND	1.00	ND	1.72		5

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-05
Client ID: SGP-16
Sample Location: ASTORIA

Date Collected: 09/30/08 14:03
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Styrene	ND	1.00	ND	4.26		5
Tetrachloroethene	>500	1	>3390	6.78		5
Tetrahydrofuran	ND	1.00	ND	2.95		5
Toluene	9.94	1.00	37.4	3.76		5
trans-1,2-Dichloroethene	1.62	1.00	6.44	3.96		5
trans-1,3-Dichloropropene	ND	1.00	ND	4.53		5
Trichloroethene	177	1.00	952	5.37		5
Trichlorofluoromethane	1.82	1.00	10.2	5.61		5
Vinyl acetate	ND	1.00	ND	3.52		5
Vinyl bromide	ND	1.00	ND	4.37		5
Vinyl chloride	10.8	1.00	27.5	2.55		5

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-05 R
Client ID: SGP-16
Sample Location: ASTORIA
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/10/08 09:00
Analyst: RY

Date Collected: 09/30/08 14:03
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Tetrachloroethene	746	2.00	5060	13.6		10

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-06
Client ID: SGP-18
Sample Location: ASTORIA
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/10/08 01:04
Analyst: RY

Date Collected: 09/30/08 14:11
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
1,1,1-Trichloroethane	4.05	2.00	22.1	10.9		10
1,1,2,2-Tetrachloroethane	ND	2.00	ND	13.7		10
1,1,2-Trichloroethane	ND	2.00	ND	10.9		10
1,1-Dichloroethane	18.9	2.00	76.6	8.09		10
1,1-Dichloroethene	ND	2.00	ND	7.92		10
1,2,4-Trichlorobenzene	ND	2.00	ND	14.8		10
1,2,4-Trimethylbenzene	ND	2.00	ND	9.82		10
1,2-Dibromoethane	ND	2.00	ND	15.4		10
1,2-Dichlorobenzene	ND	2.00	ND	12.0		10
1,2-Dichloroethane	ND	2.00	ND	8.09		10
1,2-Dichloropropane	ND	2.00	ND	9.24		10
1,3,5-Trimethybenzene	ND	2.00	ND	9.82		10
1,3-Butadiene	ND	2.00	ND	4.42		10
1,3-Dichlorobenzene	ND	2.00	ND	12.0		10
1,4-Dichlorobenzene	ND	2.00	ND	12.0		10
1,4-Dioxane	ND	2.00	ND	7.20		10
2,2,4-Trimethylpentane	ND	2.00	ND	9.34		10
2-Butanone	ND	2.00	ND	5.89		10
2-Hexanone	ND	2.00	ND	8.19		10
3-Chloropropene	ND	2.00	ND	6.26		10
4-Ethyltoluene	ND	2.00	ND	9.82		10
Acetone	ND	5.00	ND	11.9		10
Benzene	ND	2.00	ND	6.38		10
Benzyl chloride	ND	2.00	ND	10.3		10
Bromodichloromethane	ND	2.00	ND	13.4		10

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-06
Client ID: SGP-18
Sample Location: ASTORIA

Date Collected: 09/30/08 14:11
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Bromoform	ND	2.00	ND	20.6		10
Bromomethane	ND	2.00	ND	7.76		10
Carbon disulfide	ND	2.00	ND	6.22		10
Carbon tetrachloride	ND	2.00	ND	12.6		10
Chlorobenzene	ND	2.00	ND	9.20		10
Chloroethane	ND	2.00	ND	5.27		10
Chloroform	10.9	2.00	53.0	9.76		10
Chloromethane	ND	2.00	ND	4.13		10
cis-1,2-Dichloroethene	63.7	2.00	252	7.92		10
cis-1,3-Dichloropropene	ND	2.00	ND	9.07		10
Cyclohexane	3.17	2.00	10.9	6.88		10
Dibromochloromethane	ND	2.00	ND	17.0		10
Dichlorodifluoromethane	2.76	2.00	13.6	9.88		10
Ethanol	49.0	25.0	92.2	47.1		10
Ethyl Acetate	ND	5.00	ND	18.0		10
Ethylbenzene	4.32	2.00	18.7	8.68		10
Freon-113	3.05	2.00	23.4	15.3		10
Freon-114	ND	2.00	ND	14.0		10
Hexachlorobutadiene	ND	2.00	ND	21.3		10
Isopropanol	ND	5.00	ND	12.3		10
Methylene chloride	ND	5.00	ND	17.4		10
4-Methyl-2-pentanone	ND	2.00	ND	8.19		10
Methyl tert butyl ether	ND	2.00	ND	7.20		10
p/m-Xylene	10.2	4.00	44.4	17.4		10
o-Xylene	5.33	2.00	23.1	8.68		10
Heptane	ND	2.00	ND	8.19		10
n-Hexane	ND	2.00	ND	7.04		10
Propylene	ND	2.00	ND	3.44		10

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-06
Client ID: SGP-18
Sample Location: ASTORIA

Date Collected: 09/30/08 14:11
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Styrene	ND	2.00	ND	8.51		10
Tetrachloroethene	533	2.00	3610	13.6		10
Tetrahydrofuran	ND	2.00	ND	5.89		10
Toluene	7.46	2.00	28.1	7.53		10
trans-1,2-Dichloroethene	ND	2.00	ND	7.92		10
trans-1,3-Dichloropropene	ND	2.00	ND	9.07		10
Trichloroethene	129	2.00	693	10.7		10
Trichlorofluoromethane	ND	2.00	ND	11.2		10
Vinyl acetate	ND	2.00	ND	7.04		10
Vinyl bromide	ND	2.00	ND	8.74		10
Vinyl chloride	20.0	2.00	51.1	5.11		10

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-07
Client ID: SGP-2
Sample Location: ASTORIA
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/10/08 01:41
Analyst: RY

Date Collected: 09/30/08 14:21
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
1,1,1-Trichloroethane	436	5.00	2380	27.2		25
1,1,2,2-Tetrachloroethane	ND	5.00	ND	34.3		25
1,1,2-Trichloroethane	ND	5.00	ND	27.2		25
1,1-Dichloroethane	560	5.00	2260	20.2		25
1,1-Dichloroethene	ND	5.00	ND	19.8		25
1,2,4-Trichlorobenzene	ND	5.00	ND	37.1		25
1,2,4-Trimethylbenzene	ND	5.00	ND	24.6		25
1,2-Dibromoethane	ND	5.00	ND	38.4		25
1,2-Dichlorobenzene	ND	5.00	ND	30.0		25
1,2-Dichloroethane	ND	5.00	ND	20.2		25
1,2-Dichloropropane	ND	5.00	ND	23.1		25
1,3,5-Trimethybenzene	ND	5.00	ND	24.6		25
1,3-Butadiene	ND	5.00	ND	11.0		25
1,3-Dichlorobenzene	ND	5.00	ND	30.0		25
1,4-Dichlorobenzene	ND	5.00	ND	30.0		25
1,4-Dioxane	ND	5.00	ND	18.0		25
2,2,4-Trimethylpentane	ND	5.00	ND	23.3		25
2-Butanone	ND	5.00	ND	14.7		25
2-Hexanone	ND	5.00	ND	20.5		25
3-Chloropropene	ND	5.00	ND	15.6		25
4-Ethyltoluene	ND	5.00	ND	24.6		25
Acetone	ND	12.5	ND	29.7		25
Benzene	ND	5.00	ND	16.0		25
Benzyl chloride	ND	5.00	ND	25.9		25
Bromodichloromethane	ND	5.00	ND	33.5		25

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-07
Client ID: SGP-2
Sample Location: ASTORIA

Date Collected: 09/30/08 14:21
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Bromoform	ND	5.00	ND	51.6		25
Bromomethane	ND	5.00	ND	19.4		25
Carbon disulfide	ND	5.00	ND	15.6		25
Carbon tetrachloride	ND	5.00	ND	31.4		25
Chlorobenzene	ND	5.00	ND	23.0		25
Chloroethane	ND	5.00	ND	13.2		25
Chloroform	374	5.00	1820	24.4		25
Chloromethane	ND	5.00	ND	10.3		25
cis-1,2-Dichloroethene	>2500	5	>9910	19.8		25
cis-1,3-Dichloropropene	ND	5.00	ND	22.7		25
Cyclohexane	ND	5.00	ND	17.2		25
Dibromochloromethane	ND	5.00	ND	42.6		25
Dichlorodifluoromethane	ND	5.00	ND	24.7		25
Ethanol	ND	62.5	ND	118		25
Ethyl Acetate	ND	12.5	ND	45.0		25
Ethylbenzene	ND	5.00	ND	21.7		25
Freon-113	24.4	5.00	187	38.3		25
Freon-114	ND	5.00	ND	34.9		25
Hexachlorobutadiene	ND	5.00	ND	53.3		25
Isopropanol	ND	12.5	ND	30.7		25
Methylene chloride	ND	12.5	ND	43.4		25
4-Methyl-2-pentanone	ND	5.00	ND	20.5		25
Methyl tert butyl ether	ND	5.00	ND	18.0		25
p/m-Xylene	ND	10.0	ND	43.4		25
o-Xylene	5.28	5.00	22.9	21.7		25
Heptane	ND	5.00	ND	20.5		25
n-Hexane	ND	5.00	ND	17.6		25
Propylene	ND	5.00	ND	8.60		25

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-07
Client ID: SGP-2
Sample Location: ASTORIA

Date Collected: 09/30/08 14:21
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Styrene	ND	5.00	ND	21.3		25
Tetrachloroethene	>2500	5	>16960	33.9		25
Tetrahydrofuran	ND	5.00	ND	14.7		25
Toluene	5.09	5.00	19.2	18.8		25
trans-1,2-Dichloroethene	62.1	5.00	246	19.8		25
trans-1,3-Dichloropropene	ND	5.00	ND	22.7		25
Trichloroethene	>2500	5	>13430	26.8		25
Trichlorofluoromethane	6.46	5.00	36.3	28.1		25
Vinyl acetate	ND	5.00	ND	17.6		25
Vinyl bromide	ND	5.00	ND	21.8		25
Vinyl chloride	ND	5.00	ND	12.8		25

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-07 R
Client ID: SGP-2
Sample Location: ASTORIA
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/10/08 10:55
Analyst: RY

Date Collected: 09/30/08 14:21
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
cis-1,2-Dichloroethene	3970	24.7	15700	97.7		123.3
Tetrachloroethene	4420	24.7	29900	167		123.3
Trichloroethene	4380	24.7	23500	132		123.3

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-08
Client ID: SAMPLE DUPLICATE
Sample Location: ASTORIA
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/10/08 02:15
Analyst: RY

Date Collected: 09/30/08 00:00
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
1,1,1-Trichloroethane	443	5.00	2420	27.2		25
1,1,2,2-Tetrachloroethane	ND	5.00	ND	34.3		25
1,1,2-Trichloroethane	ND	5.00	ND	27.2		25
1,1-Dichloroethane	549	5.00	2220	20.2		25
1,1-Dichloroethene	ND	5.00	ND	19.8		25
1,2,4-Trichlorobenzene	ND	5.00	ND	37.1		25
1,2,4-Trimethylbenzene	ND	5.00	ND	24.6		25
1,2-Dibromoethane	ND	5.00	ND	38.4		25
1,2-Dichlorobenzene	ND	5.00	ND	30.0		25
1,2-Dichloroethane	ND	5.00	ND	20.2		25
1,2-Dichloropropane	ND	5.00	ND	23.1		25
1,3,5-Trimethybenzene	ND	5.00	ND	24.6		25
1,3-Butadiene	ND	5.00	ND	11.0		25
1,3-Dichlorobenzene	ND	5.00	ND	30.0		25
1,4-Dichlorobenzene	ND	5.00	ND	30.0		25
1,4-Dioxane	ND	5.00	ND	18.0		25
2,2,4-Trimethylpentane	ND	5.00	ND	23.3		25
2-Butanone	ND	5.00	ND	14.7		25
2-Hexanone	ND	5.00	ND	20.5		25
3-Chloropropene	ND	5.00	ND	15.6		25
4-Ethyltoluene	ND	5.00	ND	24.6		25
Acetone	ND	12.5	ND	29.7		25
Benzene	ND	5.00	ND	16.0		25
Benzyl chloride	ND	5.00	ND	25.9		25
Bromodichloromethane	ND	5.00	ND	33.5		25

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-08
Client ID: SAMPLE DUPLICATE
Sample Location: ASTORIA

Date Collected: 09/30/08 00:00
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Bromoform	ND	5.00	ND	51.6		25
Bromomethane	ND	5.00	ND	19.4		25
Carbon disulfide	ND	5.00	ND	15.6		25
Carbon tetrachloride	ND	5.00	ND	31.4		25
Chlorobenzene	ND	5.00	ND	23.0		25
Chloroethane	ND	5.00	ND	13.2		25
Chloroform	372	5.00	1820	24.4		25
Chloromethane	ND	5.00	ND	10.3		25
cis-1,2-Dichloroethene	>2500	5	>9910	19.8		25
cis-1,3-Dichloropropene	ND	5.00	ND	22.7		25
Cyclohexane	ND	5.00	ND	17.2		25
Dibromochloromethane	ND	5.00	ND	42.6		25
Dichlorodifluoromethane	ND	5.00	ND	24.7		25
Ethanol	ND	62.5	ND	118		25
Ethyl Acetate	ND	12.5	ND	45.0		25
Ethylbenzene	ND	5.00	ND	21.7		25
Freon-113	28.3	5.00	217	38.3		25
Freon-114	ND	5.00	ND	34.9		25
Hexachlorobutadiene	ND	5.00	ND	53.3		25
Isopropanol	ND	12.5	ND	30.7		25
Methylene chloride	ND	12.5	ND	43.4		25
4-Methyl-2-pentanone	ND	5.00	ND	20.5		25
Methyl tert butyl ether	ND	5.00	ND	18.0		25
p/m-Xylene	ND	10.0	ND	43.4		25
o-Xylene	ND	5.00	ND	21.7		25
Heptane	ND	5.00	ND	20.5		25
n-Hexane	ND	5.00	ND	17.6		25
Propylene	ND	5.00	ND	8.60		25

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-08
Client ID: SAMPLE DUPLICATE
Sample Location: ASTORIA

Date Collected: 09/30/08 00:00
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Styrene	ND	5.00	ND	21.3		25
Tetrachloroethene	>2500	5	>16960	33.9		25
Tetrahydrofuran	ND	5.00	ND	14.7		25
Toluene	ND	5.00	ND	18.8		25
trans-1,2-Dichloroethene	63.3	5.00	251	19.8		25
trans-1,3-Dichloropropene	ND	5.00	ND	22.7		25
Trichloroethene	>2500	5	>13430	26.8		25
Trichlorofluoromethane	6.94	5.00	39.0	28.1		25
Vinyl acetate	ND	5.00	ND	17.6		25
Vinyl bromide	ND	5.00	ND	21.8		25
Vinyl chloride	ND	5.00	ND	12.8		25

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-08 R
Client ID: SAMPLE DUPLICATE
Sample Location: ASTORIA
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/10/08 11:34
Analyst: RY

Date Collected: 09/30/08 00:00
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
cis-1,2-Dichloroethene	4400	24.9	17400	98.5		124.3
Tetrachloroethene	4880	24.9	33000	168		124.3
Trichloroethene	4500	24.9	24100	133		124.3

Project Name: 19TH AVENUE
Project Number: 750
Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-09
Client ID: TRIP BLANK
Sample Location: ASTORIA
Matrix: Soil_Vapor
Anaytical Method: 48,TO-15
Analytical Date: 10/09/08 21:28
Analyst: RY

Date Collected: 09/30/08 00:00
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	ND	0.200	ND	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	ND	0.500	ND	1.19		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-09
Client ID: TRIP BLANK
Sample Location: ASTORIA

Date Collected: 09/30/08 00:00
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	ND	0.200	ND	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	ND	0.200	ND	0.988		1
Ethanol	ND	2.50	ND	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	ND	0.500	ND	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1
Heptane	ND	0.200	ND	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

SAMPLE RESULTS

Lab ID: L0814578-09
Client ID: TRIP BLANK
Sample Location: ASTORIA

Date Collected: 09/30/08 00:00
Date Received: 10/01/08
Field Prep: Not Specified

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air						
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	ND	0.200	ND	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	ND	0.200	ND	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/09/08 17:10

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air for sample(s): 01-09 Batch: WG339506-3						
1,1,1-Trichloroethane	ND	0.200	ND	1.09		1
1,1,2,2-Tetrachloroethane	ND	0.200	ND	1.37		1
1,1,2-Trichloroethane	ND	0.200	ND	1.09		1
1,1-Dichloroethane	ND	0.200	ND	0.809		1
1,1-Dichloroethene	ND	0.200	ND	0.792		1
1,2,4-Trichlorobenzene	ND	0.200	ND	1.48		1
1,2,4-Trimethylbenzene	ND	0.200	ND	0.982		1
1,2-Dibromoethane	ND	0.200	ND	1.54		1
1,2-Dichlorobenzene	ND	0.200	ND	1.20		1
1,2-Dichloroethane	ND	0.200	ND	0.809		1
1,2-Dichloropropane	ND	0.200	ND	0.924		1
1,3,5-Trimethybenzene	ND	0.200	ND	0.982		1
1,3-Butadiene	ND	0.200	ND	0.442		1
1,3-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dichlorobenzene	ND	0.200	ND	1.20		1
1,4-Dioxane	ND	0.200	ND	0.720		1
2,2,4-Trimethylpentane	ND	0.200	ND	0.934		1
2-Butanone	ND	0.200	ND	0.589		1
2-Hexanone	ND	0.200	ND	0.819		1
3-Chloropropene	ND	0.200	ND	0.626		1
4-Ethyltoluene	ND	0.200	ND	0.982		1
Acetone	ND	0.500	ND	1.19		1
Benzene	ND	0.200	ND	0.638		1
Benzyl chloride	ND	0.200	ND	1.03		1
Bromodichloromethane	ND	0.200	ND	1.34		1

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/09/08 17:10

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air for sample(s): 01-09 Batch: WG339506-3						
Bromoform	ND	0.200	ND	2.06		1
Bromomethane	ND	0.200	ND	0.776		1
Carbon disulfide	ND	0.200	ND	0.622		1
Carbon tetrachloride	ND	0.200	ND	1.26		1
Chlorobenzene	ND	0.200	ND	0.920		1
Chloroethane	ND	0.200	ND	0.527		1
Chloroform	ND	0.200	ND	0.976		1
Chloromethane	ND	0.200	ND	0.413		1
cis-1,2-Dichloroethene	ND	0.200	ND	0.792		1
cis-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Cyclohexane	ND	0.200	ND	0.688		1
Dibromochloromethane	ND	0.200	ND	1.70		1
Dichlorodifluoromethane	ND	0.200	ND	0.988		1
Ethanol	ND	2.50	ND	4.71		1
Ethyl Acetate	ND	0.500	ND	1.80		1
Ethylbenzene	ND	0.200	ND	0.868		1
Freon-113	ND	0.200	ND	1.53		1
Freon-114	ND	0.200	ND	1.40		1
Hexachlorobutadiene	ND	0.200	ND	2.13		1
Isopropanol	ND	0.500	ND	1.23		1
Methylene chloride	ND	0.500	ND	1.74		1
4-Methyl-2-pentanone	ND	0.200	ND	0.819		1
Methyl tert butyl ether	ND	0.200	ND	0.720		1
p/m-Xylene	ND	0.400	ND	1.74		1
o-Xylene	ND	0.200	ND	0.868		1

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

Method Blank Analysis
Batch Quality Control

Analytical Method: 48,TO-15
Analytical Date: 10/09/08 17:10

Parameter	ppbV Results	ppbV RDL	ug/m3 Results	ug/m3 RDL	Qualifier	Dilution Factor
Low Level Volatile Organic Compounds in Air for sample(s): 01-09 Batch: WG339506-3						
Heptane	ND	0.200	ND	0.819		1
n-Hexane	ND	0.200	ND	0.704		1
Propylene	ND	0.200	ND	0.344		1
Styrene	ND	0.200	ND	0.851		1
Tetrachloroethene	ND	0.200	ND	1.36		1
Tetrahydrofuran	ND	0.200	ND	0.589		1
Toluene	ND	0.200	ND	0.753		1
trans-1,2-Dichloroethene	ND	0.200	ND	0.792		1
trans-1,3-Dichloropropene	ND	0.200	ND	0.907		1
Trichloroethene	ND	0.200	ND	1.07		1
Trichlorofluoromethane	ND	0.200	ND	1.12		1
Vinyl acetate	ND	0.200	ND	0.704		1
Vinyl bromide	ND	0.200	ND	0.874		1
Vinyl chloride	ND	0.200	ND	0.511		1

Lab Control Sample Analysis

Batch Quality Control

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Low Level Volatile Organic Compounds in Air	Associated sample(s): 01-09	Batch: WG339506-2			
1,1,1-Trichloroethane	108	-	70-130	-	
1,1,2,2-Tetrachloroethane	105	-	70-130	-	
1,1,2-Trichloroethane	109	-	70-130	-	
1,1-Dichloroethane	114	-	70-130	-	
1,1-Dichloroethene	107	-	70-130	-	
1,2,4-Trichlorobenzene	122	-	70-130	-	
1,2,4-Trimethylbenzene	107	-	70-130	-	
1,2-Dibromoethane	102	-	70-130	-	
1,2-Dichlorobenzene	103	-	70-130	-	
1,2-Dichloroethane	116	-	70-130	-	
1,2-Dichloropropane	104	-	70-130	-	
1,3,5-Trimethylbenzene	100	-	70-130	-	
1,3-Butadiene	96	-	70-130	-	
1,3-Dichlorobenzene	102	-	70-130	-	
1,4-Dichlorobenzene	101	-	70-130	-	
1,4-Dioxane	101	-	70-130	-	
2,2,4-Trimethylpentane	99	-	70-130	-	
2-Butanone	86	-	70-130	-	
2-Hexanone	100	-	70-130	-	
3-Chloropropene	100	-	70-130	-	
4-Ethyltoluene	96	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Low Level Volatile Organic Compounds in Air	Associated sample(s): 01-09 Batch: WG339506-2				
Acetone	88	-	70-130	-	
Benzene	106	-	70-130	-	
Benzyl chloride	94	-	70-130	-	
Bromodichloromethane	108	-	70-130	-	
Bromoform	102	-	70-130	-	
Bromomethane	90	-	70-130	-	
Carbon disulfide	107	-	70-130	-	
Carbon tetrachloride	110	-	70-130	-	
Chlorobenzene	105	-	70-130	-	
Chloroethane	101	-	70-130	-	
Chloroform	117	-	70-130	-	
Chloromethane	95	-	70-130	-	
cis-1,2-Dichloroethene	107	-	70-130	-	
cis-1,3-Dichloropropene	94	-	70-130	-	
Cyclohexane	89	-	70-130	-	
Dibromochloromethane	103	-	70-130	-	
Dichlorodifluoromethane	107	-	70-130	-	
Ethyl Alcohol	96	-	70-130	-	
Ethyl Acetate	105	-	70-130	-	
Ethylbenzene	101	-	70-130	-	
1,1,2-Trichloro-1,2,2-Trifluoroethane	107	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Low Level Volatile Organic Compounds in Air	Associated sample(s): 01-09	Batch: WG339506-2			
1,2-Dichloro-1,1,2,2-tetrafluoroethane	99	-	70-130	-	
Hexachlorobutadiene	118	-	70-130	-	
iso-Propyl Alcohol	96	-	70-130	-	
Methylene chloride	95	-	70-130	-	
4-Methyl-2-pentanone	102	-	70-130	-	
Methyl tert butyl ether	107	-	70-130	-	
p/m-Xylene	94	-	70-130	-	
o-Xylene	101	-	70-130	-	
Heptane	97	-	70-130	-	
n-Hexane	88	-	70-130	-	
Propylene	82	-	70-130	-	
Styrene	98	-	70-130	-	
Tetrachloroethene	112	-	70-130	-	
Tetrahydrofuran	99	-	70-130	-	
Toluene	107	-	70-130	-	
trans-1,2-Dichloroethene	112	-	70-130	-	
trans-1,3-Dichloropropene	87	-	70-130	-	
Trichloroethene	107	-	70-130	-	
Trichlorofluoromethane	115	-	70-130	-	
Vinyl acetate	108	-	70-130	-	
Vinyl bromide	104	-	70-130	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Low Level Volatile Organic Compounds in Air	Associated sample(s): 01-09 Batch: WG339506-2				
Vinyl chloride	91	-	70-130	-	

Lab Duplicate Analysis
Batch Quality Control

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Low Level Volatile Organic Compounds in Air Associated sample(s): 01-09 QC Batch ID: WG339506-4 QC Sample: L0814764-01 Client ID: DUP Sample					
1,1,1-Trichloroethane	ND	ND	ppbV	NC	25
1,1,2,2-Tetrachloroethane	ND	ND	ppbV	NC	25
1,1,2-Trichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethane	ND	ND	ppbV	NC	25
1,1-Dichloroethene	ND	ND	ppbV	NC	25
1,2,4-Trichlorobenzene	ND	ND	ppbV	NC	25
1,2,4-Trimethylbenzene	ND	ND	ppbV	NC	25
1,2-Dibromoethane	ND	ND	ppbV	NC	25
1,2-Dichlorobenzene	ND	ND	ppbV	NC	25
1,2-Dichloroethane	ND	ND	ppbV	NC	25
1,2-Dichloropropane	ND	ND	ppbV	NC	25
1,3,5-Trimethybenzene	ND	ND	ppbV	NC	25
1,3-Butadiene	ND	ND	ppbV	NC	25
1,3-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dichlorobenzene	ND	ND	ppbV	NC	25
1,4-Dioxane	ND	ND	ppbV	NC	25
2,2,4-Trimethylpentane	ND	ND	ppbV	NC	25
2-Butanone	0.306	0.256	ppbV	18	25
2-Hexanone	ND	ND	ppbV	NC	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Low Level Volatile Organic Compounds in Air Associated sample(s): 01-09 QC Batch ID: WG339506-4 QC Sample: L0814764-01 Client ID: DUP Sample					
3-Chloropropene	ND	ND	ppbV	NC	25
4-Ethyltoluene	ND	ND	ppbV	NC	25
Acetone	3.14	2.34	ppbV	29	25
Benzene	ND	ND	ppbV	NC	25
Benzyl chloride	ND	ND	ppbV	NC	25
Bromodichloromethane	ND	ND	ppbV	NC	25
Bromoform	ND	ND	ppbV	NC	25
Bromomethane	ND	ND	ppbV	NC	25
Carbon disulfide	ND	ND	ppbV	NC	25
Carbon tetrachloride	ND	ND	ppbV	NC	25
Chlorobenzene	ND	ND	ppbV	NC	25
Chloroethane	ND	ND	ppbV	NC	25
Chloroform	ND	ND	ppbV	NC	25
Chloromethane	0.457	0.450	ppbV	2	25
cis-1,2-Dichloroethene	ND	ND	ppbV	NC	25
cis-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Cyclohexane	ND	ND	ppbV	NC	25
Dibromochloromethane	ND	ND	ppbV	NC	25
Dichlorodifluoromethane	0.490	0.470	ppbV	4	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Low Level Volatile Organic Compounds in Air Associated sample(s): 01-09 QC Batch ID: WG339506-4 QC Sample: L0814764-01 Client ID: DUP Sample					
Ethanol	9.94	10.2	ppbV	3	25
Ethyl Acetate	ND	ND	ppbV	NC	25
Ethylbenzene	ND	ND	ppbV	NC	25
Freon-113	ND	ND	ppbV	NC	25
Freon-114	ND	ND	ppbV	NC	25
Hexachlorobutadiene	ND	ND	ppbV	NC	25
Isopropanol	3.91	4.08	ppbV	4	25
Methylene chloride	ND	ND	ppbV	NC	25
4-Methyl-2-pentanone	ND	ND	ppbV	NC	25
Methyl tert butyl ether	ND	ND	ppbV	NC	25
p/m-Xylene	ND	ND	ppbV	NC	25
o-Xylene	ND	ND	ppbV	NC	25
Heptane	ND	ND	ppbV	NC	25
n-Hexane	ND	ND	ppbV	NC	25
Propylene	ND	ND	ppbV	NC	25
Styrene	ND	ND	ppbV	NC	25
Tetrachloroethene	0.272	0.272	ppbV	0	25
Tetrahydrofuran	ND	ND	ppbV	NC	25
Toluene	1.08	0.955	ppbV	12	25

Lab Duplicate Analysis
Batch Quality Control

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Low Level Volatile Organic Compounds in Air Associated sample(s): 01-09 QC Batch ID: WG339506-4 QC Sample: L0814764-01 Client ID: DUP Sample					
trans-1,2-Dichloroethene	ND	ND	ppbV	NC	25
trans-1,3-Dichloropropene	ND	ND	ppbV	NC	25
Trichloroethene	ND	ND	ppbV	NC	25
Trichlorofluoromethane	0.258	0.272	ppbV	5	25
Vinyl acetate	ND	ND	ppbV	NC	25
Vinyl bromide	ND	ND	ppbV	NC	25
Vinyl chloride	ND	ND	ppbV	NC	25

Project Name: 19TH AVENUE

Lab Number: L0814578

Project Number: 750

Report Date: 10/13/08

Canister and Flow Controller Information

Samplenum	Client ID	Media ID	Media Type	Cleaning Batch ID	Initial Pressure (in. Hg)	Pressure on Receipt (in. Hg)	Flow Out mL/min	Flow In mL/min	% RSD
L0814578-01	SGP-11	399	2.7L Can	I0813817	-30.0	-0.3	-	-	-
L0814578-02	SGP-8	368	2.7L Can	I0813817	-30.0	-2.4	-	-	-
L0814578-03	SGP-6	410	2.7L Can	I0813817	-30.0	0	-	-	-
L0814578-04	SGP-14	320	2.7L Can	I0813817	-30.0	-1.4	-	-	-
L0814578-05	SGP-16	200	2.7L Can	I0813817	-30.0	-0.3	-	-	-
L0814578-06	SGP-18	349	2.7L Can	I0813817	-30.0	-1.2	-	-	-
L0814578-07	SGP-2	544	2.7L Can	I0813817	-30.0	-1.4	-	-	-
L0814578-08	SAMPLE DUPLICATE	465	2.7L Can	I0813817	-30.0	-1.8	-	-	-
L0814578-09	TRIP BLANK	555	2.7L Can	I0813817	-30.0	-28.9	-	-	-

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
N/A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0814578-01A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L0814578-02A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L0814578-03A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L0814578-04A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L0814578-05A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L0814578-06A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L0814578-07A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L0814578-08A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)
L0814578-09A	Canister - 2.7 Liter	N/A	NA		NA	Absent	TO15-LL(30)

*Hold days indicated by values in parentheses

Project Name: 19TH AVENUE
Project Number: 750
Lab Number: L0814578
Report Date: 10/13/08

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.
LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD - Laboratory Control Sample Duplicate: Refer to LCS.
MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD - Matrix Spike Sample Duplicate: Refer to MS.
NA - Not Applicable.
NI - Not Ignitable.
NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
ND - Not detected at the reported detection limit for the sample.
RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

The following data qualifiers have been identified for use under the CT DEP Reasonable Confidence Protocols.

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

J - Estimated value. The analyte was tentatively identified; the quantitation is an estimation. (Tentatively identified compounds only.)

Standard Qualifiers

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

Report Format: Data Usability Report

Project Name: 19TH AVENUE
Project Number: 750

Lab Number: L0814578
Report Date: 10/13/08

REFERENCES

48 Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air. Second Edition. EPA/625/R-96/010b, January 1999.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

AIR ANALYSIS

ALPHA ANALYTICAL

CHAIN OF CUSTODY

320 Forbes Blvd, Mansfield, MA 02048
TEL: 508-822-9300 FAX: 508-822-3288

PAGE 1 OF 1

Date Rec'd in Lab:

ALPHA Job #: L0814578

Client Information

Client: Triumvirate
Address: 61 Inner Belt Road, Somerville, MA
Phone: 800 966 9282
Fax:
Email: csasse@triumvirate.com

☐ These samples have been previously analyzed by Alpha

Other Project Specific Requirements/Comments:

Project Information

Project Name: Astoria
Project Location: 19th Avenue
Project #: 750
Project Manager: Craig Sasse
ALPHA Quote #: 2008497

Turn-Around Time

☒ Standard (10 DAYS) ☐ RUSH (only confirmed if pre-approved!)

Date Due: Time:

Report Information - Data Deliverables

☐ FAX
☒ ADEx
Criteria Checker: NYS DEC
(Default based on Regulatory Criteria Indicated)
Other Formats:
☒ EMAIL (standard pdf report)
☐ Additional Deliverables:
Report to: (if different than Project Manager)

Billing Information

☐ Same as Client info PO #: 11073

Regulatory Requirements/Report Limits

State/Fed	Program	Criteria
NYSDEC	DEC	Res/Ind.

All Columns Below Must Be Filled Out

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Start Time	End Time	Initial Vacuum	Final Vacuum	Sample Matrix*	Sampler's Initials	Can Size	ID Can	ID - Flow Controller	TO-14A by TO-15	TO-15	TO-15 SIM	APH	FIXED GASES	TO-13A	TO-4 / TO-10	Sample Comments (i.e. PID)
-1	SGP-11	9/30/08	13:23	13:25	-30	0	SV	CJS	2.7	399	44	X							
-2	SGP-8		13:31	13:33	-30	0				368	44								
-3	SGP-6		13:42	13:44	-30					410	5								
-4	SGP-14		13:53	13:54	-30					320	-								
-5	SGP-16		14:01	14:03	-30					200	4								
-6	SGP-18		14:09	14:11	-30					349	2								
-7	SGP-2		14:19	14:21	-30					514	-								
-8	Sample Duplicate				-30		SV			465	-								
-9	Trip Blank	9/30/08			-30	0	~~SV~~	CJS	2.7	555	-	X							

*SAMPLE MATRIX CODES
AA = Ambient Air (Indoor/Outdoor)
SV = Soil Vapor/Landfill Gas/SVE
Other = Please Specify

Container Type: CS

Relinquished By:	Date/Time	Received By:	Date/Time:
[signature]	10/1/08 13:30	Triumvirate Fridge	10/1/08 13:30
Tom Booth	10/1/08 1505	Don Banks	10/1/08 1505
Don Banks	10/1/08	Paul Gilbert	10/1/08 18:00
Paul Gilbert	10/1/08 1850	[signature]	10/1/08 1850

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

Form No: 101-02 (rev.1-Feb-08)

APPENDIX C

Operation and Maintenance Log Sheet

Site: 42-14 19th Street, Astoria, NY

Date: 11/4/08 Name of Inspector: Jeremy Brandell

Notes: All measurements are conducted by 11.7 eV PID calibrated to read as benzene. 1 psi = 27.7 inches of H_2O = 2.0 inches of Hg

ALARM/MALFUNCTION CONDITIONS

☐ Knock Out Alarm On Outer Warehouse Yes ☐ No X

☐ Knock Out Alarm On 19th Avenue Yes ☐ No X

Knockout Volume (gallons): No. 1 10 No. 2 0 No. 3 15 No. 4 0

NO Blower Overheat (Motor Thermal Prot.) - Outer Warehouse ☐ 19th Avenue Expansion ☐

NO Blower Vacuum Loss (Sensors to Control Panel) - Outer Warehouse ☐ 19th Avenue Expansion ☐

NO Air Compressor Alarm On

Corrective Actions/Notes:

Control panel operational, no alarms

Outer Warehouse System	Reading	VOCs
Manifold Vacuum:	4.2	0.7
Press. at Blower:	0.5	1.9
Press. at Between Carbon Vessels:	—	~~0.8~~ 1.8
Discharge:	—	1.3

Notes:

19th Ave. Expansion System	Reading	VOCs
Manifold Vacuum:	18	0.0
Press. at Blower:	1.0	0.0
Press. at Between Carbon Vessels:		0.0
Discharge:		0.0

Notes:

Warehouse

MANIFOLD -~~19th Avenue Expansion~~

	PPM	% Open		PPM	% Open
SVE-1	~~0.0~~ 0.3	100/75	HSVE-1	0.0	75/50
SVE-2	0.8	100	HSVE-2	2.4	50
SVE-3	0.7	100/75	HSVE-3	0.0	50/25
SVE-4	0.0	100/75	HSVE-4	0.5	50
SVE-5	0.0	100/75	HSVE-5	0.0	25/20
SVE-6	1.7	100	HSVE-6	0.0	50/25
SVE-7	0.0	100/75	HSVE-7	0.0	100/75
SVE-8	0.0	100/75			

Notes:

19th Ave

MANIFOLD STATUS-~~Outer Warehouse SVE System~~

	PPM	% Open		PPM	% Open
SW Deep	0.0	25	So. Shall. E+W	0.0	25
SE Deep	0.0	25	MW-31/Hor. Shall.		
NW Deep	0.0	25	MW-12S	0.0	25
NE Deep	0.0	25	MW-31		
MW-31/Hor. Deep	0.0	25	No. Shall. E+W	0.0	25

Notes:

Vacuum-Outer Warehouse	In. Water
SGP-8	.01
SGP-9	.02
SGP-10	.02
SGP-11	.00
SGP-12	.00
SGP-13	.00
MW-29	—
MW-33	—
MW-34	—
MW-35	—
MW-36	—
MW-32	—

Vacuum - 19th Avenue Expansion	In. Water
SGP-2	.00
SGP-3	.00
SGP-4	.00
SGP-5	.00
SGP-6	.01
SGP-7	.00
SGP-14	.02
SGP-15	.01
SGP-16	.10
SGP-17	.18
SGP-18	.08
SGP-19	.01

Notes:

AIR SPARGE MANIFOLD STATUS-Outer Warehouse SVE System

	Press.	Flow	%Open
AS-1	13	<2	50
AS-2	10.5	7	50
AS-3	11	<7	50
AS-4	7	5	25
AS-5	7	3	25
AS-6	12	<2	100

SYSTEM CLEAN AND SECURE:

Notes: Yes, carbon changeout needed for next event

Servicetech filtration equipment - 1800-368-0043

Operation and Maintenance Log Sheet

Site: 42-14 19th Street, Astoria, NY

Date: 10/15/08 Name of Inspector: Jeremy Brandt

Notes: All measurements are conducted by 11.7 eV PID calibrated to read as benzene. 1 psi = 27.7 inches of H_2O = 2.0 inches of Hg

ALARM/MALFUNCTION CONDITIONS

☐ Knock Out Alarm On

- Outer Warehouse: No. 1 ☐ No. 2 ☐ (<5 gal / <10 gal)
- 19th Avenue Expansion: No. 1 ☐ No. 2 ☐

☐ Blower Overheat (Motor Thermal Prot.) - Outer Warehouse ☐ 19th Avenue Expansion ☐

☐ Blower Vacuum Loss (Sensors to Control Panel) - Outer Warehouse ☐ 19th Avenue Expansion ☐

☐ Air Compressor Alarm On

Corrective Actions/Notes:

n/o alarms, both pumps OK

Outer Warehouse System	Reading	VOCs
Manifold Vacuum:	5.0" H_2O	5.3
Press. at Blower:	2" Hg	4.9 ppm
Press. at Between Carbon Vessels:		1.0 ppm
Discharge:		0.7 ppm

Notes:

19th Ave. Expansion System	Reading	VOCs
Manifold Vacuum:	~~3" Hg~~ H_2O	0.1 ppm
Press. at Blower:	< 1" Hg	0.0 ppm
Press. at Between Carbon Vessels:		0.0 ppm
Discharge:		0.0 ppm

Notes: Very little sampling, PID recalibrated, results are same

MANIFOLD -19th Avenue Expansion

	PPM	% Open		PPM	% Open
SVE-1	5.0	100	HSVE-1	2.7	70
SVE-2	2.1	100	HSVE-2	2.6	60
SVE-3	0.0	100	HSVE-3	4.0	70
SVE-4	9.0	100	HSVE-4	0.7	50
SVE-5	2.7	100	HSVE-5	1.8	30
SVE-6	1.4	100	HSVE-6	0.4	50
SVE-7	5.0	100	HSVE-7	0.0	35
SVE-8	0.0	100			

Notes:

MANIFOLD STATUS-Outer Warehouse SVE System

	PPM	% Open		PPM	% Open
SW Deep	1.0	40%	So. Shall. E+W	0.0	0
SE Deep	0.0	30%	MW-31/Hor. Shall.	0.0	30
NW Deep	0.0	40%	MW-12S 0.0	0.0	50
NE Deep	0.0	30%	MW-31		
MW-31/Hor. Deep	0.0	30	No. Shall. E+W	0.0	50%

Notes: Before cleanout 2-12I-0.0

removed approx 2.5 gallons from cleanouts

3

1

Vacuum-Outer Warehouse

	In. Water
SGP-3	.01
SGP-4	.00
SGP-5	.03
SGP-6	.04
SGP-7	.00
MW-12I	
MW-20S	
MW-20D	
MW-24	
MW-30	
MW-31	
MW-32	

Vacuum - 19th Avenue Expansion

	In. Water		In. Water
SGP-1	N/A	MW-27	
SGP-2	.00	MW-29	
SGP-8	.01	MW-29D	
SGP-9	.07	MW-30	
SGP-10		MW-31	
SGP-11	0.03	MW-32	
SGP-20	N/A	MW-33	
MW-5		MW-34	
MW-19I		MW-35	
MW-19S		MW-36	
MW-25			
MW-26			

SGP-12-2.7 ppm
SGP-11-24.7 ppm
SGP-13-1.8 ppm

Notes: SGP-12 0.04 SGP-13 0.02, SGP-14-0.0, SGP-15-0.07, SGP-16 0.08
SGP-17-0.2, SGP-18-0.09, SGP-19-0.00

AIR SPARGE MANIFOLD STATUS-Outer Warehouse SVE System

	Press.	Flow
AS-1		
AS-2		
AS-3		
AS-4		
AS-5		
AS-6		

SYSTEM CLEAN AND SECURE:

Notes:

Operation and Maintenance Log Sheet

Site: 42-14 19th Street, Astoria, NY

Date: 9/30/09 Name of Inspector: Chris Cosse

Notes: All measurements are conducted by 11.7 eV PID calibrated to read as benzene. 1 psi = 27.7 inches of H_2O = 2.0 inches of Hg

ALARM/MALFUNCTION CONDITIONS

☐ Knock Out Alarm On OK

- Outer Warehouse: No. 1 ☐ No. 2 ☐

- 19th Avenue Expansion: No. 1 ☐ No. 2 ☐

☐ Blower Overheat (Motor Thermal Prot.) No - Outer Warehouse ☐ 19th Avenue Expansion ☐

☐ Blower Vacuum Loss (Sensors to Control Panel) No - Outer Warehouse ☐ 19th Avenue Expansion ☐

☐ Air Compressor Alarm On No

Corrective Actions/Notes:

System O&M. Repair vacuum lines to sensors for both systems.

Outer Warehouse System	Reading	VOCs
Manifold Vacuum:	4.6	2.5
Press. at Blower:	1.0	
Press. at Between Carbon Vessels:	—	2.0
Discharge:		0.8

Notes:

19th Ave. Expansion System	Reading	VOCs
Manifold Vacuum:	20	2.0
Press. at Blower:	1.0	
Press. at Between Carbon Vessels:		0.8
Discharge:		0.0

Notes:

MANIFOLD STATUS-Outer Warehouse SVE System

	PPM	% Open		PPM	% Open
SVE-1	22.4	100	HSVE-1	2.0	75
SVE-2	4.8	"	HSVE-2	6.7	"
SVE-3	3.4	"	HSVE-3	3.9	"
SVE-4	3.1	"	HSVE-4	4.6	"
SVE-5	5.8	"	HSVE-5	3.4	"
SVE-6	3.9	"	HSVE-6	3.4	"
SVE-7	3.8	"	HSVE-7	3.6	
SVE-8	3.8	"			

Notes:

MANIFOLD STATUS-19th Avenue Expansion

	PPM	% Open		PPM	% Open
SW Deep	2.5	100	So. Shall. E+W	1.6	100
SE Deep	0.5		MW-31/Hor. Shall.	3.0	
NW Deep	0.7		MW-12S	7.6	
NE Deep	2.1		MW-31	7.2	
MW-31/Hor. Deep	3.0		No. Shall. E+W	4.6	

Notes:

Vacuum - Outer Warehouse

	In. Water
SGP-3	0
SGP-4	0
SGP-5	0
SGP-6	0.01
SGP-7	0
MW-12I	0
MW-20S	
MW-20D	
MW-24	
MW-30	
MW-31	
MW-32	

Vacuum - 19th Avenue Expansion

	In. Water
SGP-1	
SGP-2	
SGP-8	0
SGP-9	0.1
SGP-10	0
SGP-11	0
SGP-20	–
MW-5	
MW-19I	
MW-19S	
MW-25	
MW-26	
MW-27	
MW-29	
MW-29D	
MW-30	
MW-31	
MW-32	
MW-33	
MW-34	
MW-35	
MW-36	

Notes:

AIR SPARGE MANIFOLD STATUS-Outer Warehouse SVE System

	Press.	Flow
AS-1	12	42
AS-2	12	6
AS-3	12	42
AS-4	10	6
AS-5	10	6
AS-6	10	42

SYSTEM CLEAN AND SECURE:

Notes:

Soil Vapor Extraction System - Triumvirate Environmental, Inc.
Astoria, NY

Date: 9.18.08

General System Inspection	Y/N/X	Comment
Blower operation	Y	
Water Knockout Drum (before blower)	Y	
Water Knockout Drum (between GAC)	Y	
1,000 LB GAC Unit	Y	
200 LB GAC Unit	Y	
System Leaks, etc.	N	
System Down Time Since Last Check	Y	ABOUT 2 WEEKS

PID Information

Span Gas Concentration:	100
Initial Calibration Check:	101
*Calibration Performed:	Y(N)
Calibration Reading:	
Post Screening Calibration Check:	102

* - Calibration required if PID reading is greater than or less than 10% of span gas concentration

System Performance

	PID Readings (ppmv)	Vacuum/Pressure Readings (in-H2O)
Blower Vacuum	—	10
Blower Pressure	—	10
GAC Inlet	4.8	8
GAC Intermediate	2.7	4
GAC Outlet	1.0	1

Individual SVE Well Performance

Vertical Wells

	PID Readings (ppmv)	Vacuum Readings (in-H2O)
SVE-1	7.6	1
SVE-2	9.8	
SVE-3	12.2	
SVE-4	10.5	
SVE-5	8.8	
SVE-6	7.4	
SVE-7	6.9	
SVE-8	8.1	
MAIN	7.6	1

Horizontal SVE Wells

	PID Readings (ppmv)	Vacuum Readings (in-H2O)
HSVE-1	5.1	1
HSVE-2	8.7	
HSVE-3	7.0	
HSVE-4	7.4	
HSVE-5	9.1	
HSVE-6	7.2	
HSVE-7	6.8	1
MAIN	6.0	1

Air Sparge System

Sparge Compressor Operational: Y/N
Verify Timer Switching Hourly: Y/N

Individual Sparge Wells

	Flow (SCFM)	Pressure (PSI)		Flow (SCFM)	Pressure (PSI)
AS-1			AS-4		
AS-2			AS-5		
AS-3			AS-6		

Notes:

OPERATION & MAINTENANCE CHECKLIST

19th Avenue Soil Vapor Extraction System (SVE-1) - Triumvirate Environmental, Inc.
Astoria, NY

Date: 9.15.08

General System Inspection	Y/N/X	Comment
Blower operation	Y	
Water Knockout Drum #3 (before blower)	Y	
Water Knockout Drum #4 (between GAC)	Y	
1,000 LB GAC Unit	Y	
200 LB GAC Unit	Y	
System Leaks, etc.	N	
System Down Time Since Last Check	Y	2 weeks

PID Information

Span Gas Concentration:	100
Initial Calibration Check:	101
*Calibration Performed:	Y (N)
Calibration Reading:	
Post Screening Calibration Check:	102

* - Calibration required if PID reading is greater than or less than 10% of span gas concentration

System Performance

	PID Readings (ppmv)	Vacuum/Pressure Readings (In-H2O)
Blower Vacuum	--	18
Blower Pressure	--	10
GAC Inlet	2.1	2
GAC Intermediate	1.3	2
GAC Outlet	0.5	1

Individual SVE Well Performance

	Open/ Closed	PID Reading (ppmv)	Vacuum Reading (in-H2O)
SW - Deep	C		
SE - Deep	C		
NW - Deep	C		
NE - Deep	C		
MW-31 horizontal-Deep	C		

	Open/ Closed	PID Readings (ppmv)	Vacuum Readings (in-H2O)
MW-31 horizontal-Shallow			
MW-12S			
MW-12I			
MW-31			

Notes:

Soil Vapor Extraction System - Triumvirate Environmental, Inc.
Astoria, NY

Date: 9.11.08

General System Inspection	Y/N/X	Comment
Blower operation	Y	
Water Knockout Drum (before blower)	Y	
Water Knockout Drum (between GAC)	Y	
1,000 LB GAC Unit	Y	
200 LB GAC Unit	Y	
System Leaks, etc.	N	
System Down Time Since Last Check	Y	Appx 1 week

PID Information

Span Gas Concentration:	100
Initial Calibration Check:	101
*Calibration Performed:	Y/N
Calibration Reading:	
Post Screening Calibration Check:	102

* - Calibration required if PID reading is greater than or less than 10% of span gas concentration

System Performance

	PID Readings (ppmv)	Vacuum/Pressure Readings (in-H2O)
Blower Vacuum	---	10
Blower Pressure	---	10
GAC Inlet	6.2	8
GAC Intermediate	4.6	4
GAC Outlet	2.1	1

Individual SVE Well Performance

Vertical Wells

	PID Readings (ppmv)	Vacuum Readings (in-H2O)
SVE-1	10.2	1
SVE-2	13.7	↓
SVE-3	19.4	
SVE-4	14.2	
SVE-5	21.7	
SVE-6	18.3	
SVE-7	11.1	
SVE-8	9.5	↓
MAIN	10.3	1

Horizontal SVE Wells

	PID Readings (ppmv)	Vacuum Readings (in-H2O)
HSVE-1	7.8	1
HSVE-2	9.2	↓
HSVE-3	5.9	
HSVE-4	9.7	
HSVE-5	11.0	
HSVE-6	10.6	
HSVE-7	8.5	↓
MAIN	9.3	1

Air Sparge System

Sparge Compressor Operational: Y/N
Verify Timer Switching Hourly: Y/N

Individual Sparge Wells

	Flow (SCFM)	Pressure (PSI)		Flow (SCFM)	Pressure (PSI)
AS-1			AS-4		
AS-2			AS-5		
AS-3			AS-6		

Notes:

OPERATION & MAINTENANCE CHECKLIST
19th Avenue Soil Vapor Extraction System (SVE-1) - Triumvirate Environmental, Inc.
Astoria, NY

Date: 9-11-08

General System Inspection	Y/N/X	Comment
Blower operation	Y	
Water Knockout Drum #3 (before blower)	Y	
Water Knockout Drum #4 (between GAC)	Y	
1,000 LB GAC Unit	Y	
200 LB GAC Unit	Y	
System Leaks, etc.	N	
System Down Time Since Last Check	~~14~~	ABOUT 1 WEEK

PID Information

Span Gas Concentration:	100
Initial Calibration Check:	101
*Calibration Performed:	Y/N
Calibration Reading:	
Post Screening Calibration Check:	102

* - Calibration required if PID reading is greater than or less than 10% of span gas concentration

System Performance

	PID Readings (ppmv)	Vacuum/Pressure Readings (In-H2O)
Blower Vacuum	--	22
Blower Pressure	--	10
GAC Inlet	3.5	2
GAC Intermediate	1.9	2
GAC Outlet	1.0	1

Individual SVE Well Performance

	Open/ Closed	PID Reading (ppmv)	Vacuum Reading (In-H2O)
SW - Deep	C		
SE - Deep	C		
NW - Deep	C		
NE - Deep	O		
MW-31 horizontal-Deep	C		

	Open/ Closed	PID Readings (ppmv)	Vacuum Readings (In-H2O)
MW-31 horizontal-Shallow			
MW-12S			
MW-12I			
MW-31			

Notes:

Soil Vapor Extraction System - Triumvirate Environmental, Inc.
Astoria, NY

Date: 8/14/08

General System Inspection	Y/N/X	Comment
Blower operation	Y	
Water Knockout Drum (before blower)	Y	
Water Knockout Drum (between GAC)	Y	
1,000 LB GAC Unit	Y	
200 LB GAC Unit	Y	
System Leaks, etc.	N	
System Down Time Since Last Check	N	

PID Information

Span Gas Concentration:	100 PPM
Initial Calibration Check:	100 PPM
*Calibration Performed:	Y/N
Calibration Reading:	
Post Screening Calibration Check:	101 PPM

* - Calibration required if PID reading is greater than or less than 10% of span gas concentration

System Performance

	PID Readings (ppmv)	Vacuum/Pressure Readings (in-H2O)
Blower Vacuum	---	10
Blower Pressure	---	10
GAC Inlet	4.2	6
GAC Intermediate	12.3	4
GAC Outlet	1.0	1

Individual SVE Well Performance

Vertical Wells

	PID Readings (ppmv)	Vacuum Readings (in-H2O)
SVE-1	8.1	1
SVE-2	11.2	1
SVE-3	13.6	1
SVE-4	10.4	1
SVE-5	17.3	1
SVE-6	9.1	1
SVE-7	8.8	1
SVE-8	9.4	1
MAIN	8.5	2

Horizontal SVE Wells

	PID Readings (ppmv)	Vacuum Readings (in-H2O)
HSVE-1	6.4	1
HSVE-2	7.3	1
HSVE-3	9.1	1
HSVE-4	12.2	1
HSVE-5	11.3	1
HSVE-6	7.2	1
HSVE-7	6.4	1
MAIN	5.7	

Air Sparge System

Sparge Compressor Operational: Y/N
Verify Timer Switching Hourly: Y/N

Individual Sparge Wells

	Flow (SCFM)	Pressure (PSI)		Flow (SCFM)	Pressure (PSI)
AS-1	1	10	AS-4	9	10
AS-2	2	10	AS-5	1	2
AS-3	2	9	AS-6	1	9

Notes:

OPERATION & MAINTENANCE CHECKLIST

19th Avenue Soil Vapor Extraction System (SVE-1) - Triumvirate Environmental, Inc.
Astoria, NY

Date: 8/14/08

General System Inspection	Y/N/X	Comment
Blower operation	Y	
Water Knockout Drum #3 (before blower)	Y	
Water Knockout Drum #4 (between GAC)	Y	
1,000 LB GAC Unit	Y	
200 LB GAC Unit	Y	
System Leaks, etc.	Y	
System Down Time Since Last Check	N	

PID Information

Span Gas Concentration:	100 PPM
Initial Calibration Check:	100 PPM
*Calibration Performed:	Y/N
Calibration Reading:	
Post Screening Calibration Check:	101 PPM

* - Calibration required if PID reading is greater than or less than 10% of span gas concentration

System Performance

	PID Readings (ppmv)	Vacuum/Pressure Readings (in-H2O)
Blower Vacuum	--	18
Blower Pressure	--	10
GAC Inlet	2.8	4
GAC Intermediate	1.6	2
GAC Outlet	0.4	1

Individual SVE Well Performance

	Open/ Closed	PID Reading (ppmv)	Vacuum Reading (in-H2O)
SW - Deep	C		
SE - Deep	C		
NW - Deep	C		
NE - Deep	O		
MW-31 horizontal-Deep	C		

	Open/ Closed	PID Readings (ppmv)	Vacuum Readings (in-H2O)
MW-31 horizontal-Shallow			
MW-12S			
MW-12I			
MW-31			

Notes: Knock out Drum #3 had water buildup — Changed with new Drum #

Soil Vapor Extraction System - Triumvirate Environmental, Inc.
Astoria, NY

Date: 8/7/08

General System Inspection	Y/N/X	Comment
Blower operation	Y	
Water Knockout Drum (before blower)	Y	
Water Knockout Drum (between GAC)	Y	
1,000 LB GAC Unit	Y	
200 LB GAC Unit	Y	
System Leaks, etc.	N	
System Down Time Since Last Check	N	

PID Information

Span Gas Concentration:	100 PPM
Initial Calibration Check:	101 ppm
*Calibration Performed:	(Y/N)
Calibration Reading:	
Post Screening Calibration Check:	102 PPM

*- Calibration required if PID reading is greater than or less than 10% of span gas concentration

System Performance

	PID Readings (ppmv)	Vacuum/Pressure Readings (in-H2O)
Blower Vacuum	---	12
Blower Pressure	—	10
GAC Inlet	2.6	6
GAC Intermediate	1.4	4
GAC Outlet	0.8	1

Individual SVE Well Performance

Vertical Wells

	PID Readings (ppmv)	Vacuum Readings (in-H2O)
SVE-1	9.4	1
SVE-2	13.7	
SVE-3	11.9	
SVE-4	9.6	
SVE-5	18.4	
SVE-6	10.5	
SVE-7	10.2	
SVE-8	11.3	
MAIN	9.1	2

Horizontal SVE Wells

	PID Readings (ppmv)	Vacuum Readings (in-H2O)
HSVE-1	8.5	1
HSVE-2	12.2	
HSVE-3	8.6	
HSVE-4	7.2	
HSVE-5	10.4	
HSVE-6	8.6	
HSVE-7	7.5	
MAIN	6.7	1

Air Sparge System

Sparge Compressor Operational: Y/N
Verify Timer Switching Hourly: Y/N

Individual Sparge Wells

	Flow (SCFM)	Pressure (PSI)
AS-1	1	10
AS-2	2	10
AS-3	1.5	9
AS-4	9.5	10
AS-5	1	2
AS-6	1	9

Notes:

OPERATION & MAINTENANCE CHECKLIST
19th Avenue Soil Vapor Extraction System (SVE-1) - Triumvirate Environmental, Inc.
Astoria, NY

Date: 8/7/08

General System Inspection	Y/N/X	Comment
Blower operation	Y	
Water Knockout Drum #3 (before blower)	Y	
Water Knockout Drum #4 (between GAC)	Y	
1,000 LB GAC Unit	Y	
200 LB GAC Unit	Y	
System Leaks, etc.	N	
System Down Time Since Last Check	N	

PID Information

Span Gas Concentration:	100 PPM
Initial Calibration Check:	101 PPM
*Calibration Performed:	Y/N
Calibration Reading:	
Post Screening Calibration Check:	102 PPM

* - Calibration required if PID reading is greater than or less than 10% of span gas concentration

System Performance

	PID Readings (ppmv)	Vacuum/Pressure Readings (in-H2O)
Blower Vacuum	—	22
Blower Pressure	—	10
GAC Inlet	2.4	2
GAC Intermediate	1.0	2
GAC Outlet	0.2	1

Individual SVE Well Performance

	Open/ Closed	PID Reading (ppmv)	Vacuum Reading (in-H2O)
SW - Deep	C		
SE - Deep	C		
NW - Deep	C		
NE - Deep	O		
MW-31 horizontal-Deep	C		

	Open/ Closed	PID Readings (ppmv)	Vacuum Readings (in-H2O)
MW-31 horizontal-Shallow			
MW-12S			
MW-12I			
MW-31			

Notes:

OPERATION & MAINTENANCE CHECKLIST

19th Avenue Soil Vapor Extraction System (SVE-1) - Triumvirate Environmental, Inc.
Astoria, NY

Date: 7/31/08

General System Inspection	Y/N/X	Comment
Blower operation	Y	
Water Knockout Drum #3 (before blower)	Y	
Water Knockout Drum #4 (between GAC)	Y	
1,000 LB GAC Unit	Y	
200 LB GAC Unit	Y	
System Leaks, etc.	N	
System Down Time Since Last Check	N	

PID Information

Span Gas Concentration:	100 PPM
Initial Calibration Check:	101 PPM
*Calibration Performed:	Y/N
Calibration Reading:	
Post Screening Calibration Check:	102 PPM

*- Calibration required if PID reading is greater than or less than 10% of span gas concentration

System Performance

	PID Readings (ppmv)	Vacuum/Pressure Readings (in-H2O)
Blower Vacuum	—	20
Blower Pressure	—	10
GAC Inlet	2.8	2
GAC Intermediate	1.4	2
GAC Outlet	0.3	1

Individual SVE Well Performance

	Open/ Closed	PID Reading (ppmv)	Vacuum Reading (In-H2O)
SW - Deep	C		
SE - Deep	C		
NW - Deep	C		
NE - Deep	O		
MW-31 horizontal-Deep	C		

	Open/ Closed	PID Readings (ppmv)	Vacuum Readings (in-H2O)
MW-31 horizontal-Shallow			
MW-12S			
MW-12I			
MW-31			

Notes:

Soil Vapor Extraction System - Triumvirate Environmental, Inc.
Astoria, NY

Date: 7/31/08

General System Inspection	Y/N/X	Comment
Blower operation	Y	
Water Knockout Drum (before blower)	Y	
Water Knockout Drum (between GAC)	Y	
1,000 LB GAC Unit	Y	
200 LB GAC Unit	Y	
System Leaks, etc.	N	
System Down Time Since Last Check	N	

PID Information

Span Gas Concentration:	100 PPM
Initial Calibration Check:	101 PPM
*Calibration Performed:	Y(N)
Calibration Reading:	
Post Screening Calibration Check:	102 PPM

* - Calibration required if PID reading is greater than or less than 10% of span gas concentration

System Performance

	PID Readings (ppmv)	Vacuum/Pressure Readings (in-H2O)
Blower Vacuum	—	12
Blower Pressure	—	10
GAC Inlet	3.6	8
GAC Intermediate	1.8	4
GAC Outlet	1.0	1

Individual SVE Well Performance

Vertical Wells

	PID Readings (ppmv)	Vacuum Readings (in-H2O)
SVE-1	8.8	
SVE-2	11.7	
SVE-3	12.4	
SVE-4	9.6	
SVE-5	13.4	
SVE-6	13.1	
SVE-7	10.1	
SVE-8	9.4	↓
MAIN	6.5	2

Horizontal SVE Wells

	PID Readings (ppmv)	Vacuum Readings (in-H2O)
HSVE-1	4.3	
HSVE-2	7.0	
HSVE-3	8.1	
HSVE-4	8.6	
HSVE-5	11.2	
HSVE-6	9.5	
HSVE-7	7.1	↓
MAIN	6.1	1

Air Sparge System

Sparge Compressor Operational: Y/N
Verify Timer Switching Hourly: Y/N

Individual Sparge Wells

	Flow (SCFM)	Pressure (PSI)		Flow (SCFM)	Pressure (PSI)
AS-1	1.5	10.5	AS-4	10	10
AS-2	2	10	AS-5	1.5	2
AS-3	1.5	9	AS-6	2	9

Notes:
Flow meters look good! No water buildup

Soil Vapor Extraction System - Triumvirate Environmental, Inc.
Astoria, NY

Date: 7/25/08

General System Inspection	Y/N/X	Comment
Blower operation	Y	
Water Knockout Drum (before blower)	Y	
Water Knockout Drum (between GAC)	Y	
1,000 LB GAC Unit	Y	
200 LB GAC Unit	Y	
System Leaks, etc.	N	
System Down Time Since Last Check	N	

PID Information

Span Gas Concentration:	100 PPM
Initial Calibration Check:	101 PPM
*Calibration Performed:	Y/N
Calibration Reading:	
Post Screening Calibration Check:	101 PPM

* - Calibration required if PID reading is greater than or less than 10% of span gas concentration

System Performance

	PID Readings (ppmv)	Vacuum/Pressure Readings (in-H2O)
Blower Vacuum	---	10
Blower Pressure	---	10
GAC Inlet	4.7	8
GAC Intermediate	2.3	4
GAC Outlet	1.1	1

Individual SVE Well Performance

Vertical Wells

	PID Readings (ppmv)	Vacuum Readings (in-H2O)
SVE-1	10.1	1
SVE-2	13.4	↓
SVE-3	9.2	
SVE-4	15.6	
SVE-5	8.5	
SVE-6	8.8	
SVE-7	14.8	
SVE-8	11.2	↓
MAIN	7.8	2

Horizontal SVE Wells

	PID Readings (ppmv)	Vacuum Readings (in-H2O)
HSVE-1	6.4	1
HSVE-2	8.8	↓
HSVE-3	12.0	
HSVE-4	16.7	
HSVE-5	11.1	
HSVE-6	8.6	
HSVE-7	9.1	↓
MAIN	8.2	1

Air Sparge System

Sparge Compressor Operational: Y/N
Verify Timer Switching Hourly: Y/N

Individual Sparge Wells

	Flow (SCFM)	Pressure (PSI)		Flow (SCFM)	Pressure (PSI)
AS-1	1	11	AS-4	10	10
AS-2	2	10	AS-5	1.5	2
AS-3	1	8.5	AS-6	2	9

Notes: Noticed a little water in flow Meters.

OPERATION & MAINTENANCE CHECKLIST

19th Avenue Soil Vapor Extraction System (SVE-1) - Triumvirate Environmental, Inc.

Astoria, NY

Date: 7/25/08

General System Inspection	Y/N/X	Comment
Blower operation	Y	
Water Knockout Drum #3 (before blower)	Y	
Water Knockout Drum #4 (between GAC)	Y	
1,000 LB GAC Unit	Y	
200 LB GAC Unit	Y	
System Leaks, etc.	N	
System Down Time Since Last Check	N	

PID Information

Span Gas Concentration:	100 PPM
Initial Calibration Check:	101 PPM
*Calibration Performed:	Y/N
Calibration Reading:	
Post Screening Calibration Check:	103 PPM

* - Calibration required if PID reading is greater than or less than 10% of span gas concentration

System Performance

	PID Readings (ppmv)	Vacuum/Pressure Readings (in-H2O)
Blower Vacuum	--	20
Blower Pressure	--	8
GAC Inlet	4.3	2
GAC Intermediate	1.7	2
GAC Outlet	0.4	1

Individual SVE Well Performance

	Open/ Closed	PID Reading (ppmv)	Vacuum Reading (in-H2O)
SW - Deep	C		
SE - Deep	C		
NW - Deep	C		
NE - Deep	O		
MW-31 horizontal-Deep	C		

	Open/ Closed	PID Readings (ppmv)	Vacuum Readings (in-H2O)
MW-31 horizontal-Shallow			
MW-12S			
MW-12I			
MW-31			

Notes:

Soil Vapor Extraction System - Triumvirate Environmental, Inc.
Astoria, NY

Date: 7/17/08

General System Inspection	Y/N/X	Comment
Blower operation	Y	
Water Knockout Drum (before blower)	Y	
Water Knockout Drum (between GAC)	Y	
1,000 LB GAC Unit	Y	
200 LB GAC Unit	Y	
System Leaks, etc.	N	
System Down Time Since Last Check	N	

PID Information

Span Gas Concentration:	100 PPM
Initial Calibration Check:	101 PPM
*Calibration Performed:	Y/N
Calibration Reading:	
Post Screening Calibration Check:	103 PPM

* - Calibration required if PID reading is greater than or less than 10% of span gas concentration

System Performance

	PID Readings (ppmv)	Vacuum/Pressure Readings (in-H2O)
Blower Vacuum	—	12
Blower Pressure	—	10
GAC Inlet	5.6	8
GAC Intermediate	3.1	4
GAC Outlet	1.1	1

Individual SVE Well Performance

Vertical Wells

	PID Readings (ppmv)	Vacuum Readings (in-H2O)
SVE-1	13.4	1
SVE-2	18.6	
SVE-3	9.2	
SVE-4	10.8	
SVE-5	7.6	
SVE-6	13.3	
SVE-7	11.4	
SVE-8	11.1	
MAIN	9.3	1

Horizontal SVE Wells

	PID Readings (ppmv)	Vacuum Readings (in-H2O)
HSVE-1	3.1	1
HSVE-2	7.2	
HSVE-3	10.8	
HSVE-4	11.2	
HSVE-5	8.8	
HSVE-6	6.4	
HSVE-7	9.3	1
MAIN	8.7	

Air Sparge System

Sparge Compressor Operational: Y/N
Verify Timer Switching Hourly: Y/N

Individual Sparge Wells

	Flow (SCFM)	Pressure (PSI)		Flow (SCFM)	Pressure (PSI)
AS-1	1	12.5	AS-4	11	10.5
AS-2	5	10	AS-5	1	2
AS-3	1	9	AS-6	2	9.5

Notes:

OPERATION & MAINTENANCE CHECKLIST
19th Avenue Soil Vapor Extraction System (SVE-1) - Triumvirate Environmental, Inc.
Astoria, NY

Date: 7/17/08

General System Inspection	Y/N/X	Comment
Blower operation	Y	
Water Knockout Drum #3 (before blower)	Y	
Water Knockout Drum #4 (between GAC)	Y	
1,000 LB GAC Unit	Y	
200 LB GAC Unit	Y	
System Leaks, etc.	N	
System Down Time Since Last Check	N	

PID Information

Span Gas Concentration:	100 PPM
Initial Calibration Check:	101 PPM
*Calibration Performed:	Y/N
Calibration Reading:	
Post Screening Calibration Check:	103 PPM

* - Calibration required if PID reading is greater than or less than 10% of span gas concentration

System Performance

	PID Readings (ppmv)	Vacuum/Pressure Readings (in-H2O)
Blower Vacuum	---	20
Blower Pressure	---	6
GAC Inlet	2.6	3
GAC Intermediate	1.4	2
GAC Outlet	0.4	1

Individual SVE Well Performance

	Open/ Closed	PID Reading (ppmv)	Vacuum Reading (in-H2O)
SW - Deep	C		
SE - Deep	C		
NW - Deep	C		
NE - Deep	O		
MW-31 horizontal-Deep	C		

	Open/ Closed	PID Readings (ppmv)	Vacuum Readings (in-H2O)
MW-31 horizontal-Shallow			
MW-12S			
MW-12I			
MW-31			

Notes:

OPERATION & MAINTENANCE CHECKLIST

19th Avenue Soil Vapor Extraction System (SVE-1) - Triumvirate Environmental, Inc.
Astoria, NY

Date: 7/10/08

General System Inspection	Y/N/X	Comment
Blower operation	Y	
Water Knockout Drum #3 (before blower)	Y	
Water Knockout Drum #4 (between GAC)	Y	
1,000 LB GAC Unit	Y	
200 LB GAC Unit	Y	
System Leaks, etc.	N	
System Down Time Since Last Check	N	

PID Information

Span Gas Concentration:	100 PPM
Initial Calibration Check:	100 PPM
*Calibration Performed:	Y(N)
Calibration Reading:	
Post Screening Calibration Check:	102 PPM

* - Calibration required if PID reading is greater than or less than 10% of span gas concentration

System Performance

	PID Readings (ppmv)	Vacuum/Pressure Readings (In-H2O)
Blower Vacuum	—	20
Blower Pressure	—	6
GAC Inlet	2.0	2
GAC Intermediate	1.1	2
GAC Outlet	0.2	1

Individual SVE Well Performance

	Open/ Closed	PID Reading (ppmv)	Vacuum Reading (In-H2O)
SW - Deep	C		
SE - Deep	C		
NW - Deep	C		
NE - Deep	O		
MW-31 horizontal-Deep	C		

	Open/ Closed	PID Readings (ppmv)	Vacuum Readings (In-H2O)
MW-31 horizontal-Shallow			
MW-12S			
MW-12I			
MW-31			

Notes:

Soil Vapor Extraction System - Triumvirate Environmental, Inc.
Astoria, NY

Date: 7/10/08

General System Inspection	Y/N/X	Comment
Blower operation	Y	
Water Knockout Drum (before blower)	Y	
Water Knockout Drum (between GAC)	Y	
1,000 LB GAC Unit	Y	
200 LB GAC Unit	Y	
System Leaks, etc.	N	
System Down Time Since Last Check	N	

PID Information

Span Gas Concentration:	102 PPM
Initial Calibration Check:	100 PPM
*Calibration Performed:	Y (N)
Calibration Reading:	
Post Screening Calibration Check:	102 PPM

* - Calibration required if PID reading is greater than or less than 10% of span gas concentration

System Performance

	PID Readings (ppmv)	Vacuum/Pressure Readings (in-H2O)
Blower Vacuum	--	12
Blower Pressure	--	10
GAC Inlet	3.7	6
GAC Intermediate	2.2	4
GAC Outlet	1.0	1

Individual SVE Well Performance

Vertical Wells

	PID Readings (ppmv)	Vacuum Readings (in-H2O)
SVE-1	10.5	1
SVE-2	12.7	1
SVE-3	8.9	1
SVE-4	11.3	1
SVE-5	7.4	1
SVE-6	8.4	1
SVE-7	6.3	1
SVE-8	7.8	1
MAIN	8.7	2

Horizontal SVE Wells

	PID Readings (ppmv)	Vacuum Readings (in-H2O)
HSVE-1	4.8	1
HSVE-2	9.2	1
HSVE-3	13.4	1
HSVE-4	8.8	1
HSVE-5	10.1	1
HSVE-6	8.4	1
HSVE-7	6.0	1
MAIN	8.2	2

Air Sparge System

Sparge Compressor Operational: Y/N
Verify Timer Switching Hourly: Y/N

Individual Sparge Wells

	Flow (SCFM)	Pressure (PSI)
AS-1	1.5	12.5
AS-2	.5	10
AS-3	1	9
AS-4	10.5	10.5
AS-5	1	1.5
AS-6	2	10

Notes:

Soil Vapor Extraction System - Triumvirate Environmental, Inc.
Astoria, NY

Date: 7/3/08

General System Inspection	Y/N/X	Comment
Blower operation	Y	
Water Knockout Drum (before blower)	Y	
Water Knockout Drum (between GAC)	Y	
1,000 LB GAC Unit	Y	
200 LB GAC Unit	Y	
System Leaks, etc.	N	
System Down Time Since Last Check	N	

PID Information

Span Gas Concentration:	100 PPM
Initial Calibration Check:	101 PPM
*Calibration Performed:	Y (N)
Calibration Reading:	
Post Screening Calibration Check:	102 PPM

* - Calibration required if PID reading is greater than or less than 10% of span gas concentration

System Performance

	PID Readings (ppmv)	Vacuum/Pressure Readings (in-H2O)
Blower Vacuum	--	12
Blower Pressure	--	10
GAC Inlet	4.8	6
GAC Intermediate	2.4	4
GAC Outlet	1.1	1

Individual SVE Well Performance

Vertical Wells

	PID Readings (ppmv)	Vacuum Readings (in-H2O)
SVE-1	8.6	1
SVE-2	14.3	↓
SVE-3	19.7	
SVE-4	10.5	
SVE-5	22.1	
SVE-6	13.6	
SVE-7	9.2	
SVE-8	10.5	↓
MAIN	10.1	2

Horizontal SVE Wells

	PID Readings (ppmv)	Vacuum Readings (in-H2O)
HSVE-1	5.6	1
HSVE-2	6.4	↓
HSVE-3	11.2	
HSVE-4	15.6	
HSVE-5	12.2	
HSVE-6	10.9	
HSVE-7	6.3	↓
MAIN	7.4	2

Air Sparge System

Sparge Compressor Operational: Y/N
Verify Timer Switching Hourly: Y/N

Individual Sparge Wells

	Flow (SCFM)	Pressure (PSI)		Flow (SCFM)	Pressure (PSI)
AS-1	1	12.5	AS-4	10.5	10
AS-2	4.5	10	AS-5	1	1.5
AS-3	1	9.5	AS-6	2	10

Notes:

OPERATION & MAINTENANCE CHECKLIST
19th Avenue Soil Vapor Extraction System (SVE-1) - Triumvirate Environmental, Inc.
Astoria, NY

Date: 7/3/08

General System Inspection	Y/N/X	Comment
Blower operation	Y	
Water Knockout Drum #3 (before blower)	Y	
Water Knockout Drum #4 (between GAC)	Y	
1,000 LB GAC Unit	Y	
200 LB GAC Unit	Y	
System Leaks, etc.	N	
System Down Time Since Last Check	N	

PID Information

Span Gas Concentration:	100 PPM
Initial Calibration Check:	101 PPM
*Calibration Performed:	Y(N)
Calibration Reading:	
Post Screening Calibration Check:	102 PPM

* - Calibration required if PID reading is greater than or less than 10% of span gas concentration

System Performance

	PID Readings (ppmv)	Vacuum/Pressure Readings (In-H2O)
Blower Vacuum	—	22
Blower Pressure	—	6
GAC Inlet	2.6	2
GAC Intermediate	1.3	2
GAC Outlet	0.8	1

Individual SVE Well Performance

	Open/ Closed	PID Reading (ppmv)	Vacuum Reading (In-H2O)
SW - Deep	C		
SE - Deep	C		
NW - Deep	C		
NE - Deep	O		
MW-31 horizontal-Deep	C		

	Open/ Closed	PID Readings (ppmv)	Vacuum Readings (In-H2O)
MW-31 horizontal-Shallow			
MW-12S			
MW-12I			
MW-31			

Notes:

APPENDIX D

Please print or type. (Form designed for use on elite (12-p[illegible] typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD077444263
2. Page 1 of: b
3. Emergency Response Phone: 1-800-988-9282
4. Manifest Tracking Number: 003748207 JJK

GENERATOR

5. Generator's Name and Mailing Address
Triumvirate Environmental Outbound
42-14 19th Ave.
Astoria, NY 11105
Generator's Phone: (718)274-3336

Generator's Site Address (if different than mailing address)
42-14 19th Avenue
Astoria , New York 11105

6. Transporter 1 Company Name: Ross Transportation Services — U.S. EPA ID Number: OHD980614374

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
Ross Incineration Services, Inc.
36790 Giles Road
Grafton , OH 44044
Facility's Phone: (440) 748-5800
U.S. EPA ID Number: OHD048415665

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Waste Paint related material 3, UN1263, II	009	DM	02775	P	D001		B
X	2. Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Thin Prep Vials)	003	DF	00075	P	D001	F003	B
X	3. Waste Flammable liquid, toxic, corrosive, n.o.s. 3(6.1)(8), UN3286, II Methanol, Chloroform	001	DM	00220	P	D001 F003	D002 U122	D018 B
X	4. Hazardous waste, liquid, n.o.s. 9, NA3082, III (Tetrachloroethylene, Trichloroethylene)	001	DM	00200	P	D039 F003	D040	F002 B

14. Special Handling Instructions and Additional Information
1- (9 x 55) 64345 2- (3 x 16) 66609 3- (1 x 55) 64347 4- (1 x 55) 67034

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Dilip Jairam — Signature — Month 09 Day 10 Year 05

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dan Potter — Signature — Month 9 Day 10 Year 05
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
18b. Alternate Facility (or Generator) — Manifest Reference Number: — U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H040 2. H040 3. H040 4. H040

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Rebecca Winker — Signature — Month 09 Day 14 Year 05

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number
	NYD077444263	2	003748207 JJK

24. Generator's Name: Triumvirate Environmental Outbound
42-14 19th Ave.
Astoria, NY 11105

25. Transporter 3 Company Name — U.S. EPA ID Number

26. Transporter 4 Company Name — U.S. EPA ID Number

GENERATOR

27a. HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (If any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
X	5 Waste Aerosols, 2.1, UN1950 (Petroleum Distillates) (RQ: D001) DOT SP 11396	001	DM	00170	P	D001		B
X	6 Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Thin Prep Vials)	001	DF	00065	P	D001	F003	B
	7 Non-regulated material	014	DF	00576	P			B
	8 Non-regulated material	010	DF	01660	P			B
	9 Non-regulated material	002	DF	00100	P			B
	10 Non-regulated material	003	DM	00539	P			B

32. Special Handling Instructions and Additional Information
5-(1x55)68989 6-(1x30)68609 7-(14x5)64228 8-(10x55)64342 9-(2x30)64227 10-(3x55)64342 11- 12- 13- 14-

TRANSPORTER

33. Transporter 3 Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

34. Transporter 4 Acknowledgment of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
H040 | H040 | H040 | H040 | H040
H040

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) TAI-280 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYD077444263	2	[redacted]	003748740 JJK

GENERATOR

5. Generator's Name and Mailing Address

Triumvirate Environmental Outbound
42-14 19th Ave.
Astoria, NY 11105
Generator's Phone: (718)274-3330

Generator's Site Address (if different than mailing address)

42-14 19th Avenue
Astoria, New York 11105

6. Transporter 1 Company Name — U.S. EPA ID Number

Ross Transportation Services — OHD064061437 4

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Ross Incineration Services, Inc.
36790 Giles Road
Grafton, OH 44044
Facility's Phone: (440) 748-5800 — OHD064641565 5

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s. 9, NA3082, III (Tetrachloroethylene, Trichloroethylene)	004	DM	01500	P	~~D039~~	D040	F002
X	2. Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Thin Prep Vials)	002	DF	00050	P	F003 D001	F003	B
X	3. Hazardous waste, solid, n.o.s. 9, NA3077, III (Cadmium, Toluene)	001	DM	00125	P	D006	D007	B D006
X	4. Waste Corrosive liquids, flammable, n.o.s. 8(3), UN2920, II (Formic Acid, Acetic Acid)	001	DM	00123	P	D001	D002	B D123 B

14. Special Handling Instructions and Additional Information

1- (4 x 55) 67034 2- (2 x 16) 66609 3- (1 x 55) 67059 4- (1 x 55) 64346;

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: DILIP JAIRAM — Signature — Month/Day/Year: 07 09 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JONATHAN NAGY — Signature — Month/Day/Year: 07 09 08

Transporter 2 Printed/Typed Name — Signature — Month/Day/Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month/Day/Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040	H040	H040	H040

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Bill Rogers — Signature — Month/Day/Year: 07 11 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) TRI #180 Form Approved, OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number
	NYD077444263	2	003748740 JJK

24. Generator's Name: Triumvirate Environmental Outbound
42-14 19th Ave.
Astoria, NY 11105

25. Transporter 3 Company Name — U.S. EPA ID Number

26. Transporter 4 Company Name — U.S. EPA ID Number

GENERATOR

	27a. HM	27b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers No.	28. Containers Type	29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes		
5	X	Waste Flammable liquids, toxic, n.o.s. 3(6.1), UN1992, II (Ethyl Acetate, Methanol)	001	DM	00312	P	D001	F003	F005
									B
6	X	Waste Corrosive liquid, basic, organic, n.o.s. 8, UN3267, II ethanolamine, sodium hydroxide	001	DF	00246	P	D002		
									B
7	X	Waste Corrosive liquid, acidic, organic, n.o.s. 8, UN3265, II Formic Acid, Acetic Acid	001	DF	00146	P	D002		
									T
8	X	Waste Corrosive liquid, acidic, inorganic, n.o.s. 8, UN3264, II (Hydrochloric Acid, Sulfuric Acid)	001	DF	00216	P	D002		
									B
9	X	Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Thin Prep Vials)	001	DF	00060	P	D001	F003	
									B
10		Non-regulated material	001	DM	00322	P			
									B
11		Non-regulated material	001	DM	00224	P			
									B
12		Non-regulated material	001	DF	00049	P			
									B
13		~~Non-regulated material~~ Lic Not Acc	~~001~~	~~DM~~	~~00143~~	~~P~~			
									~~B~~

32. Special Handling Instructions and Additional Information
5-(1x55)64342 6-(1x55)64342 7-(1x55)64342 8-(1x55)66300 9-(1x30)66309 10-(1x55)64227 11-(1x55)64342
12-(1x55)64342 ~~13-(1x30)64342~~ 14-

TRANSPORTER

33. Transporter 2 Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

34. Transporter 4 Acknowledgment of Receipt of Materials
Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

35. Discrepancy

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

H040	H040	H040	H040	H040
H040	H040	H040		