TRIUMVIRATE ENVIRONMENTAL | EDUCATION HEALTHCARE INDUSTRIAL LIFE SCIENCES

August 24, 2009

Mr. Vimal Minocha
New York State Department of Environmental Conservation
Hazardous Waste & Radiation Management
625 Broadway 9th Floor
Albany, NY 12233-7258
vsminoch@gw.dec.state.ny.us

RE: Groundwater, Stormwater, Soil Vapor Monitoring, Remedial System Operation and Maintenance Report
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 and Stormwater monitoring activities, soil gas monitoring, soil vapor extraction and air sparge remedial systems operation maintenance and monitoring during the period from March 2009 to July 2009.

We would appreciate any comments or questions regarding the report prior to out next scheduled sampling event in November 2009 or the next report submittal, in December 2009. If comments require additional work we would like to incorporate these activities into our field work and reporting.

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, US EPA
Carol Stein, US EPA (w/ attachment)
Dawn Hattrick, PE, NYSDOH (w/ attachment)
Tim Mooney, Triumvirate Environmental, Inc.
John McQuillan, Jr., Triumvirate Environmental, Inc.

GROUNDWATER, STORMWATER, SOIL VAPOR MONITORING, REMEDIAL SYSTEM OPERATION AND MAINTENANCE REPORT

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
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
625 BROADWAY, ALBANY, NEW YORK 12233-7258

Prepared By:

TRIUMVIRATE ENVIRONMENTAL INCORPORATED
61 INNER BELT ROAD
SOMERVILLE, MASSACHUSETTS 02143

JOB NUMBER: 750

AUGUST 2009

CERTIFICATION

I certify that I have reviewed the submitted documentation *"Groundwater, Stormwater, Soil Vapor Monitoring, Remedial System Operation and Maintenance Report"*. 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 8/10/09

Prepared and reviewed by:

Craig Sasse
Project Manager

Michael Bricher, PG
Senior Engineer

TABLE OF CONTENTS

FIGURES, CHARTS, and TABLES

APPENDICES

1.0 INTRODUCTION

Triumvirate Environmental Inc. (Triumvirate) has prepared this Groundwater, Stormwater, Soil Vapor Monitoring, and Remedial System Operation and Maintenance Report (the Report) to summarize activities performed as part of a Resource Conservation and Recovery Act (RCRA) Corrective Action for the property located at 42-14 19th Avenue in Astoria, New York (the Site). The location of the Site is shown on Figure 1 and Figure 2. 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 (AS) system to remove the chlorinated volatile organic compounds (CVOCs) identified at the Site.

This Report presents the results of groundwater monitoring activities conducted in June 2009. Additionally, stormwater sampling and analysis was performed in June 2009 and the results presented. Data obtained during groundwater monitoring were compared to New York State Department of Environmental Conservation (NYSDEC) Division of Water Technical and Operation Guidance Series 1.1.1 (TOGS 1.1.1) and previous results to evaluate the effectiveness of NYSDEC approved Corrective Measures implemented at the Site.

Soil vapor analysis is presented from sampling conducted in June 2009. Data obtained during soil vapor monitoring were compared to the New York State Department of Health (NYSDOH) Outdoor Air Guideline Values and previous results to evaluate the effectiveness of mitigation measures.

This Report summarizes the operation, maintenance, and monitoring of the SVE and AS systems operating at the Site during the period of March 2009 to July 2009. This is the fourteenth status report summarizing operation, maintenance and monitoring of the remedial system.

1.1 BACKGROUND

In June 1985, VOCs were detected during excavation on 19th Avenue, in front of the Chemical Waste Disposal Corporation (CWDC) facility. Between 1993 and 1996 assessment activities were conducted. In 2003, Triumvirate Environmental (NYC), LLC purchased the facility and installed SVE and AS systems beneath the Outer Warehouse 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, expansion of the SVE system was proposed to control off-Site vapor migration and remediate subsurface soil and groundwater. In July 2007, limited remedial excavation was completed and the horizontal vent wells and SVE system were installed along 19th Avenue. In September 2007, operation of the 19th Avenue SVE system was initiated. A Final Statement of Basis (December 26, 2007) provides a summary of the Site and investigations conducted, documents the procedures undertaken to arrive at the proposed corrective measures, and provides goals and clean-up criteria. The final corrective measures are:

- Complete removal of accessible soil with elevated concentrations of VOCs from the apparent source area associated with the former pipeline to the municipal sewer system and properly dispose them off-site [completed];
- Complete and integrate expanded SVE/AS system approved as an ICM [completed];
- Continue to operate the expanded SVE/AS system to treat soil and groundwater;
- Continue long term groundwater monitoring; and
- Develop and submit for approval a soil management plan to be followed during all future activities involving soil excavation at or around the facility.

The SVE systems have removed approximately 450 pounds of CVOCs from the Site. As indicated in Sage Environmental's previously submitted *Interim Corrective Measure Implementation Report*, dated January 2004, the estimated total CVOCs in soil at the Site is 2,150 pounds (2,000 pounds under the Outer Warehouse and 150 pounds under 19th Avenue). As such, approximately 1,695 pounds of CVOCs remains. Ongoing evaluation of the SVE and AS systems shall be conducted to maximize removal rates.

This Report has been prepared to document ongoing operation of the SVE/AS system and monitoring or environmental conditions and should be considered an addendum to and integral part of previously submitted document.

2.0 GROUNDWATER MONITORING ACTIVITIES

As part of the 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 June 9, 2009, Triumvirate inspected, gauged, purged and sampled the following groundwater monitoring wells:

APMW-1;	APMW-2;	PZ-1;	MW-5;	MW-6;	MW-12S;	MW-12I;	MW-13S;
MW-16;	MW-19I;	MW-19S;	MW-20S;	MW-20D;	MW-22S;	MW-23R;	MW-24;
MW-25;	MW-26;	MW-27;	MW-28S;	MW-28D;	MW-29S;	MW-29D;	MW-30;
MW-31;	MW-32;	MW-33;	MW-34;	MW-35;	MW-36.		

Figure 2 shows the location of each monitoring well. The depth to groundwater below the established measuring point and the overall depth of each monitoring well was measured with an electronic oil/water interface probe and each well was inspected for the presence of non-aqueous phase liquid (NAPL). One monitoring well (MW-28S) was observed to have 0.2 feet of black oil NAPL above the static water. The depth to groundwater ranged from 3.81 feet to 8.10 feet below top of well casings during this groundwater gauging event. Gauging data generated during the groundwater monitoring event are summarized in Table 1.

Groundwater monitoring well gauging information was used to calculate the groundwater contours using Golden Software's Surfer™ surface mapping software and is presented on Figure 3. As shown on Figure 3, a northeasterly groundwater flow direction was calculated for

the Site, toward 19th Avenue. The groundwater flow direction is consistent with previously calculated groundwater flow directions. Deep monitoring wells were not included in the groundwater flow calculation as the water table elevations varied from both shallower to deeper relative to nearby shallow monitoring wells.

2.2 MONITORING WELL SAMPLING

Groundwater samples were collected from the monitoring wells listed in Section 2.1. Samples were collected using a peristaltic pump with dedicated polyethylene tubing. Each well was purged of a minimum of three well volumes. Laboratory provided, pre-preserved sample containers were used for collection of samples. Each sample was labeled, logged onto a chain of custody, stored in a cooler with ice, and transported to the laboratory. The samples were submitted to Accutest Laboratories (Accutest) of Marlborough, MA for analysis of volatile organic compounds (VOCs) by EPA Method 8260B. A trip blank sample was maintained in the cooler and submitted for analysis. Refer to Table 2 for a summary of the groundwater laboratory analytical results. The summary table lists concentrations of compounds historically detected and identified as contaminants of concern for the Site. Analytical results are compared to the values stated in the NYS DEC Division of Water Technical and Operation Guidance Series 1.1.1 (TOGS 1.1.1). A copy of the laboratory analytical report is included in Appendix A.

2.3 GROUNDWATER SAMPLING QA AND QC

Field procedures for the sample collection and groundwater analysis conducted during this reporting period were reviewed for representativeness and reliability. Review of field procedures found no anomalies or likely sources of error. Review of the laboratory results for the trip blank found no concentrations detected of any VOC. Review of the laboratory analysis report found each sample was received within the appropriate temperature (1.7 °C) range and were analyzed within the prescribed holding time for analysis by EPA method 8260. Review of the three analytical batches found several compounds detected outside control limits indicating potential for bias, but the reported values for the compounds were non-detects, below the method detection limits. Matrix spike and matrix spike duplicates for 1,1,1 trichloroethane were above control limits but the compound is historically noted as a contaminant of concern at the Site and therefore may be attributed to matrix interference and explained the elevated level of the compound in the sample itself. Additionally, several contaminants of concern at the Site were reported with elevated reporting limits and interference due to high levels within the samples. Review of the laboratory data, and comparison of laboratory data to previous results, finds it to be both representative and reliable for environmental monitoring purposes.

3.0 STORMWATER MONITORING ACTIVITIES

On June 9, 2009, the stormwater discharge for 19th Avenue was inspected. The stormwater discharge occurs to an unnamed cove of Bowery Bay at a headwall with a culvert located at the northern end of 19th Avenue, approximately 1,900 feet northeast of the Site. The culvert had flowing water at the time of sampling and was observed to be tan with debris. A second stormwater sample was collected upgradient of the Site, at a stormwater catch basin located on 19th Avenue at the southeast corner of the intersection with 43rd Street (shown of Figure 2). With the exception of acetone in the upgradient sample location detected at 11.3 µg/l, no VOCs

were detected in either sample above the laboratory method detection limits. As such, no significant infiltration of CVOCs from the Site is identified into the buried stormwater utilities. A copy of the stormwater laboratory analytical report is included in Appendix A.

Photograph 1: Stormwater Discharge Sample Location

4.0 SOIL VAPOR MONITORING ACTIVITIES

4.1 SOIL VAPOR MONITORING POINT SCREENING

On June 9, 2009, Triumvirate personnel performed soil vapor monitoring at soil vapor points SGP-2, SGP-4, SGP-6, SGP-9, SGP-12, and SGP-16. The locations of the soil vapor points are shown on Figure 2. The purpose of the vapor points is to screen soil vapor in the vadose zone at the Site for potential migration. Vacuum readings were collected prior to soil vapor sample collection. Based upon the vacuum readings, the vicinity of each SVE system (approximately a 20 foot radius) was under the influence of a vacuum, up to 0.04 inches of water.

4.2 SOIL VAPOR SAMPLING

A total of six soil vapor samples were collected from the soil vapor monitoring points with laboratory provided, certified clean, Summa™ canister (1 L) equipped with a vacuum gauge and a 200 ml/min flow regulator. Each vacuum gauge recorded at least 27 inches of mercury prior to soil vapor sample collection. Prior to sampling, each canister was connected to the sample point with tubing. A five gallon bucket was placed over each sample location and filled with propane from a commercially available cylinder. The propane was used to detect any short-circuit from the atmosphere into the soil vapor sample. Each canister was filled with soil vapor at a rate of no more than 200 milliliters per minute. At the end of sampling, the vacuum was checked and each was more than three inches. The soil vapor samples were labeled, logged onto a chain of custody, and transported to Accutest for analysis of VOCs via EPA Method TO-15. A summary of the soil vapor sample analytical results is presented on Table 3. A copy of the soil vapor laboratory analytical report is included in Appendix B. A copy of the Category B quality assurance and quality control information has been provided in electronic form in a compact disk appended to Appendix B.

4.3 SOIL VAPOR SAMPLING QA AND QC

Field procedures for the sample collection and soil vapor analysis conducted during this reporting period were reviewed for representativeness and reliability. Review of field procedures found no anomalies or likely sources of error. The sample collection was conducted per the procedure presented in the work plan. Review of the laboratory results for the analysis

method blank found no concentrations detected of any VOC. Review of the laboratory analysis report found each sample was analyzed within the prescribed holding time for analysis by TO-15 method. Review of the two analytical batches found several compounds in the laboratory duplicate relative percent difference (RPD) detected outside control limits. The compounds noted were Site contaminants of concern with the exception of acetone and the errors were attributed to matrix interference. Calibration checks were reported above the spike but the compound was reported below the detection limits. Additionally, several contaminants of concern at the Site were reported with elevated reporting limits and interference due to high levels within the samples. Review of the laboratory data, and comparison of laboratory data to previous results, finds it to be both representative and reliable for environmental monitoring purposes.

5.0 REMEDIATION SYSTEM MONITORING AND MAINTENANCE

Two remedial systems were installed and are operating at the Site. Both remedial systems are SVE systems with carbon treatment of soil vapor prior to discharge. The systems are referred to as the Outer Warehouse system and the 19th Avenue system. Each system has a series of horizontal slotted pipes in trenches and vertical vapor collection points for the collection of soil vapor. The pipes from each system are connected to a manifold and plumbed to a regenerative blower. Each blower operates continuously. The Outer Warehouse system also has an air sparge system. Air sparge points are installed under the warehouse and are connected to rotary vane compressor supplying compressed air eight hours each day. Throughout the systems there are liquid level sensors, pressure gauges, flow gauges, vacuum gauges which are monitored continuously and activate an emergency shutoff. Inspection of the remedial system is conducted every two weeks. A discussion of the details of each remedial system and the operation and maintenance activities conducted is discussed below.

5.1 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 and AS system was included in the As-Built Schematic, SVE/AS System Beneath Outer Warehouse letter dated September 2007. During the period of March 2009 through July 2009, the SVE system operated 116 of 132 days. The system inspection log sheets are included in Appendix C and tabulated performance information is included on Table 4.

On March 25, 2009, during an inspection, the SVE blower was observed to have an unusual noise. That evening the blower was shut down until the problem could be diagnosed. The 19th Avenue SVE system remained operational. Based upon the most recent system performance and environmental monitoring, no significant vapor migration hazards were anticipated with the short-term shutdown. On March 31, 2009, the blower was removed from service for repair. The repair estimate would result in a significant shutdown of the system so a new blower was purchased. On April 9, 2009, the new blower was plumbed and wired into the system, the system started and operated normally. No other shutdown of the system occurred during the reporting period.

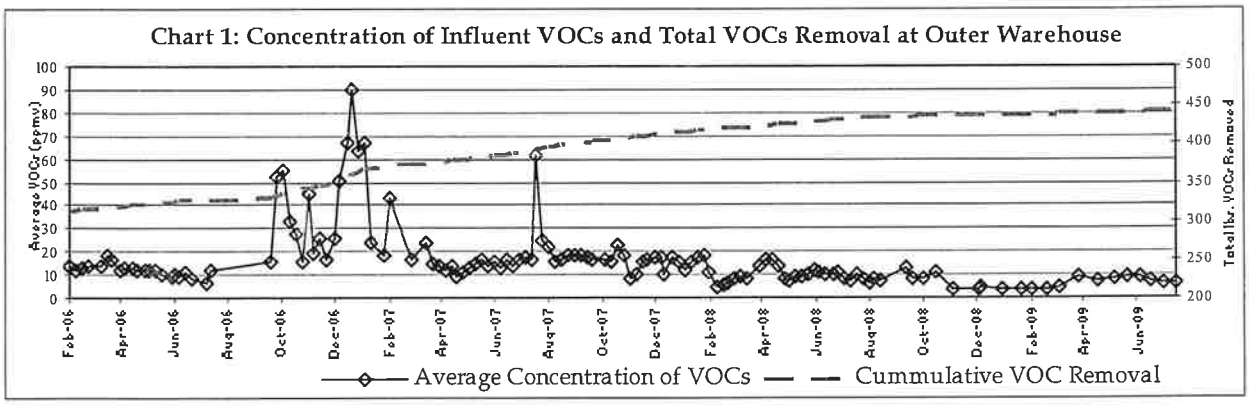
The SVE system operates at a flow rate of approximately 120 standard cubic feet per minute (scfm). VOC concentrations have ranged in the individual SVE legs from non-detect (less than 1 ppmv) to 9.2 ppmv, with influent VOC concentrations ranging from 6.0 ppmv to 8.2 ppmv. Based on VOC concentrations, system flow rate, and hours of operation, the SVE and AS system has removed approximately 3.2 pounds of VOCs in the reporting period and a total of approximately 441.9 pounds of VOCs as of the July 15, 2009 inspection.

Vacuum influence data was collected at soil vapor monitoring points SGP-8 through SGP-13 during each inspection to ensure mitigation of soil vapor migration and captured and treated soil vapor prior to discharge to the atmosphere. To date, the SVE system has maintained a measurable vacuum in the soil vapor monitoring points. The presence of a vacuum in the vicinity of the air sparge system indicates injected air into the subsurface is not significantly contributing to off-site migration of soil vapor and that soil vapor is being captured and treated.

The SVE system 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 Outer Warehouse concentration of soil vapor, as measured with a photoionization detector (PID), flowing into the treatment system and total cumulative pounds of VOC removed. Refer to Table 4 for a tabulated summary of the SVE system performance monitoring information for this reporting period.

Chart 1 depicts the average influent VOC concentration and the cumulative mass in pounds of VOCs removed. As shown on Chart 1, the overall VOC removal rates have generally remained consistent over the past year of operation. Continuing evaluation of historic and recent data with throttling of flow shall be conducted to optimize 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.

Chart 1: Concentration of Influent VOCs and Total VOCs Removal at Outer Warehouse



5.2 AS SYSTEM OPERATIONS AND MAINTENANCE

The AS system was activated in May 2004. The AS system is comprised of two zones of three wells each. Each zone is controlled by a timer-operated solenoid valve. During this operating period the AS system operated daily from 8:00 AM to 5:00 PM. The AS system injection rate at

each injection point was up to 7 scfm. Injection pressures during operation was up to approximately 15 psi. No short circuiting of air was observed.

On May 19, 2009, a Triumvirate technician observed the rotary vane air compressor was excessively loud with unusual noises, not consistent with routine operation. Upon inspection, diminished air flow and pressure were noted at the sparge points, indicative of poor air compressor performance. The compressor was shut down and troubleshooting was conducted. Preliminary inspection of the compressor (air filters, piping, mounts, etc.) found no problems. At that time, the compressor was scheduled to be removed from the system and repaired. The previous May 6, 2009, inspection found no malfunction with the compressor. The shut down of the AS system would marginally lessen the SVE mass removal rate.

On June 5, 2009, the air compressor was removed, serviced, and inspected. The rotary vanes had deteriorated causing the malfunction. Replacement vanes and new filters were ordered the same day.

On June 9, 2009, the compressor was repaired and placed back into service, tested, and returned to normal operation. Subsequent inspections found the system operating normally.

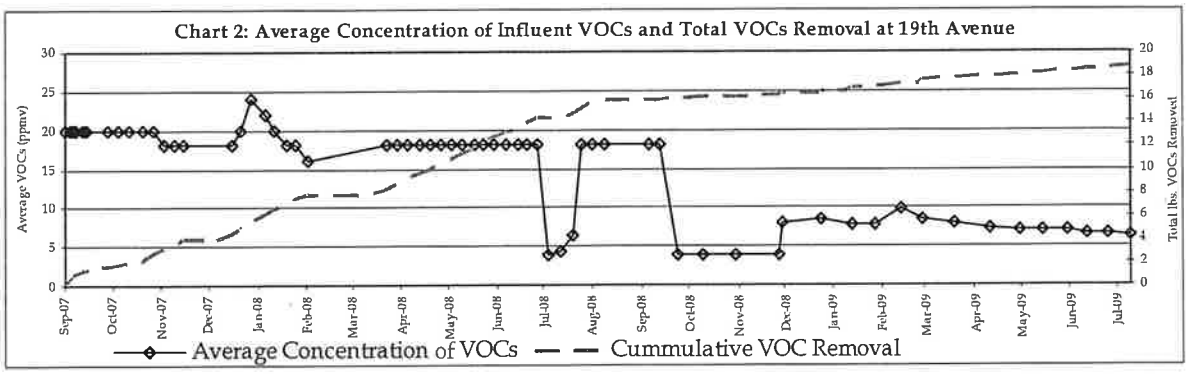
5.3 SVE SYSTEM OPERATIONS AND MAINTENANCE - 19TH AVENUE

The 19th Avenue SVE system was activated in September 2007. During this operating period, the SVE system operated 132 of 132 days. On March 3 and 4, 2009, the system was noted as down for approximately two hours each morning associated with freezing water in the piping during unusually cold weather. On March 5, 2009, the system was noted as operating normally.

The SVE system operated at a flow rate of approximately 120 scfm. VOC concentrations for the individual legs were below the instrument detection limits and from 5.8 ppmv to 6.9 ppmv in the influent. Based on VOC concentrations, system flow rate, and hours of operation, the SVE system has removed approximately 1.1 pounds of VOCs in the reporting period and a total of approximately 18.8 pounds of VOCs as of July 15, 2009. The system inspection log sheets are included in Appendix C and tabulated performance information is included on Table 4.

Vacuum influence data has been collected at soil vapor 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 a measurable vacuum in the monitoring points. This indicates that soil vapor from the unsaturated soil in the vicinity of 19th Avenue is being captured and treated prior to discharge to the atmosphere.

Chart 2 shows the average PID concentration of soil vapor into the treatment system and cumulative mass of VOC removal in pounds. As shown on Chart 2, influent PID concentrations have decreased after initiating soil vapor extraction from all extraction legs in October 2008. Inspection of the 19th Avenue remedial system has identified water accumulation at a low point with cleanouts at the 19th Avenue curb. During each inspection accumulated water is removed. As part of ongoing performance monitoring, continuous system optimization shall be



conducted to maximize VOC removal rates and shall include evacuating water from the low point in the lines and emptying of the water knockouts during each inspection. Continuing evaluation of historic and recent soil vapor PID concentrations at each extraction point and flow rates with 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.

5.4 MANAGEMENT OF REMEDIATION SYSTEM WASTE

Two drums of wastewater were generated as part of remedial operations during this reporting period. The drums were shipped for disposal on March 18, 2009 under uniform hazardous waste manifest (4723827JJK). A copy of the uniform hazardous waste manifests is included in Appendix D.

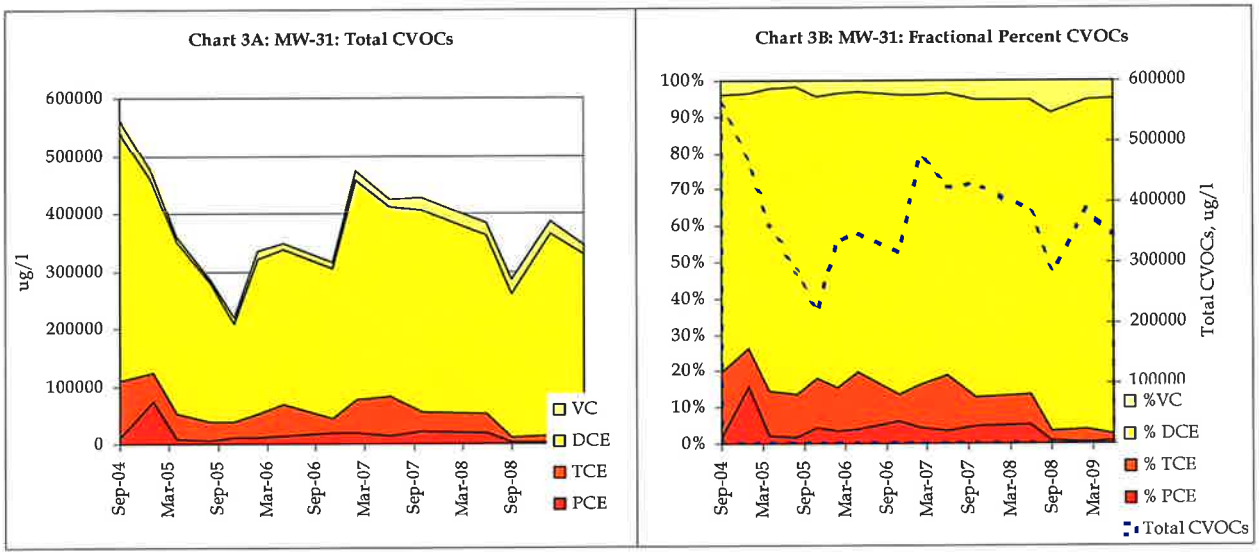
6.0 REMEDIAL PERFORMANCE EVALUATION

The remedial system performance shall be evaluated using various site characteristics and criteria including, but not limited to the following: groundwater contaminant concentrations reducing to below the groundwater quality standards; asymptotic decline of influent VOC concentrations throughout seasonal SVE and AS remedial system operation; shrinking of the areal and vertical extents of the dissolved phase contamination plume; soil vapor concentration reducing to below the regulatory guidance values; and changes in local land or groundwater use.

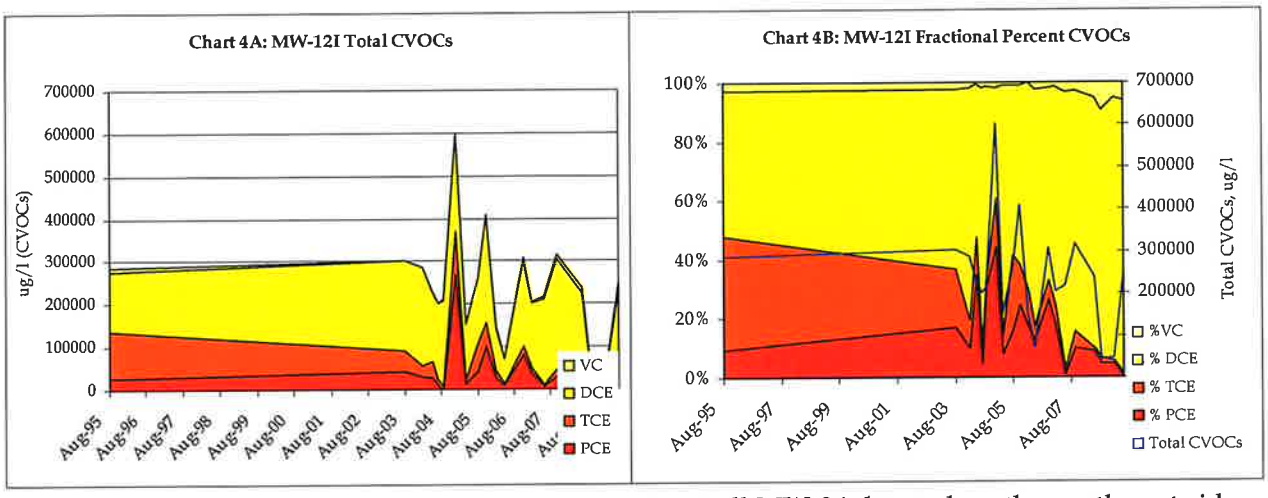
6.1 EVALUATION OF GROUNDWATER CONTAMINATION

Review and analysis of groundwater data was conducted to evaluate dissolved phase contamination. Groundwater monitoring wells were selected to represent portions of the CVOC plume for characterization. Concentrations of tetrachloroethene (PCE-red), trichloroethene (TCE-orange), dichloroethene (DCE-yellow), and vinyl chloride (VC-light yellow) were tracked over time and displayed in a stacked chart. Additionally, the total of the PCE, TCE, DCE, and VC were tracked and each component's fractional percent of the total was charted over time. The second chart was utilized to show compositional changes in the various CVOCs over time and compare those changes to the total CVOCs concentration.

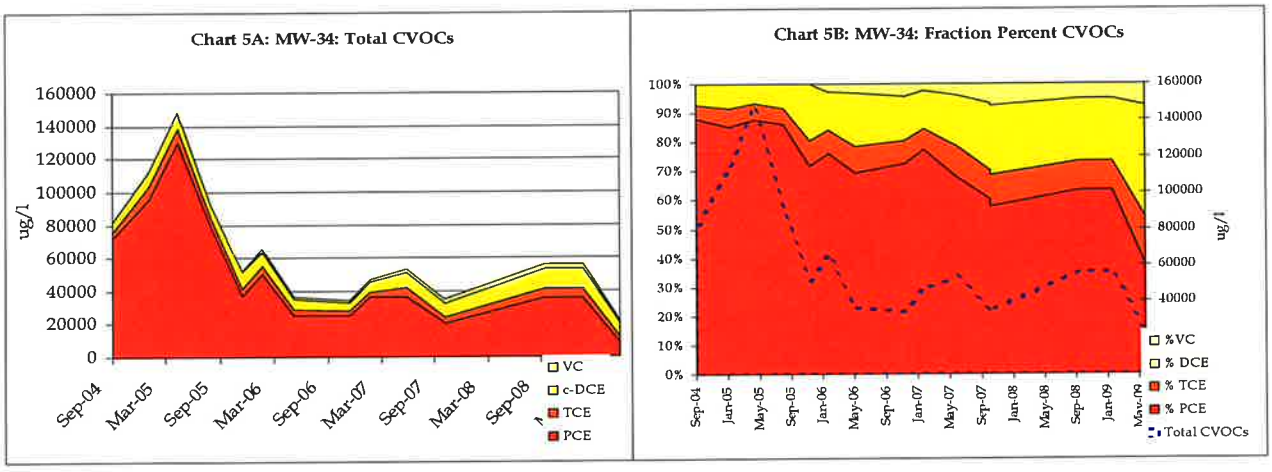
Charts 3A and 3B show information for monitoring well MW-31, located in 19th Avenue, near the soil excavation area associated with the 19th Avenue SVE system installation. Review of Chart 3A notes show continued elevated concentrations with an overall marginal decrease in the concentrations of CVOCs. Chart 3B identifies a decreasing trend in PCE and TCE fractional percentages (red and orange) and increasing fractional percentages of DCE and VC. This trend, accompanied by a modest overall decrease in the total CVOCs concentration indicates significant dechlorination of parent compounds and generation of daughter compounds by natural attenuation. The persistence of the parent compounds over time and generally elevated total CVOCs concentration indicates the location is within a generally stable and static portion of the dissolved phase groundwater plume, downgradient and in close proximity of the historic PCE source.



Charts 4A and 4B show information for monitoring well MW-12I, located adjacent to 19th Avenue, in the vicinity of the 19th Avenue SVE system. Review of Chart 4A notes fluctuating dissolved phase concentrations with generally elevated overall concentrations of CVOCs. Chart 4B identifies a decreasing trend in PCE and TCE fractional percentages (red and orange) and increasing fractional percentages of DCE and VC. This trend, accompanied by a modest overall decrease in the total CVOCs concentration indicates significant dechlorination of parent compounds and generation of daughter compounds by natural attenuation. The fluctuation of the CVOC concentrations and generally elevated total CVOCs concentration indicates the location is within a central, heterogeneous, and dynamic area of the dissolved phase groundwater plume, downgradient and in close proximity to the historic source. Additionally, the variable concentrations may be attributed to the very high concentrations detected, sampling methodology heterogeneity, and operation of the SVE systems in the vicinity.



Charts 5A and 5B show information for monitoring well MW-34, located on the southwest side of the Outer Warehouse, upgradient of the Outer Warehouse SVE and AS systems. Review of Chart 5A notes a generally consistent decrease in overall concentrations of CVOCs with the lowest total concentration detected most recently. Chart 5B identifies a decreasing trend in PCE and TCE fraction percentages (red and orange), initially totaling more than 90% and decreasing to approximately 50% with increasing percentages of DCE and VC (yellow and light yellow). These trends, accompanied by an overall decrease in the total CVOCs concentration indicates successful mass removal accompanied by dechlorination of parent compounds by natural attenuation. The persistence and preponderance of the parent compounds over time and generally decreasing total CVOCs concentration indicates the location is within a stable, static, and "source" portion of the dissolved phase groundwater plume. A significant source of PCE remains in the vicinity.



6.2 EXTENT OF GROUNDWATER CONTAMINATION

Historic and current groundwater concentrations are summarized for each monitoring well in Table 2. Groundwater samples collected over the last year from monitoring wells exhibited concentrations of PCE; TCE; cis-1-2-DCE; 1,1-dichloroethane; 1,1,1-trichloroethane; VC; chloroethane; chloroform; benzene; toluene; ethylbenzene; total xylenes; naphthalene; and other

alkylbenzenes/chlorobenzenes above their respective values as stated in the NYS DEC Division of Water TOGS 1.1.1. Review of iscontours of total CVOCs (PCE, TCE, cis- and trans-DCE, and VC), see Figure 4, identified two areas of elevated concentrations remaining centered on monitoring wells MW-31 and MW-34 with wells in the vicinity delineating the areas. The plume delineation over time indicates it is generally stable and remaining localized. The relative concentrations of these areas were approximately 300,000 µg/l and 22,000 µg/l, respectively. The CVOCs noted in the vicinity of monitoring well MW-31 are predominantly located under 19th Avenue and the northern portions of the buildings located at 42-8 19th Avenue and 42-14 19th Avenue and quickly diminish. As shown in Charts 3A and 3B above, the overall concentrations are generally diminishing but the composition is shifting to the daughter compounds DCE and VC. The CVOCs noted in the vicinity of monitoring well MW-34 are predominantly located under the 42-14 19th Avenue warehouse area. Both wells are noted as within the area of vacuum of the SVE system.

Concentrations of benzene, toluene, ethylbenzene, and xylenes (BTEX) and naphthalene were evaluated. Total BTEX and naphthalene concentrations (BTEXN) contours are shown on Figure 5. The total BTEX and naphthalene concentrations are generally stable with minor fluctuations and the highest concentration located at monitoring well MW-31. The relative magnitudes and locations of BTEX and naphthalene concentrations suggest the source of BTEX contamination is from an off-site location.

6.3 EXTENT OF SOIL VAPOR IMPACT

On February 4, 2009, Triumvirate personnel performed soil vapor monitoring at soil vapor points SGP-2, SGP-4, SGP-6, SGP-9, SGP-11, SGP-12. The soil vapor samples were submitted to Accutest for analysis of VOCs via EPA Method TO-15. Various compounds were detected in soil vapor above the NYS DOH outdoor background values, as listed in the NYS DOH Guidance for Evaluation of Soil Vapor Intrusion in the State of New York, dated October 2006 : chloroform; cis-1,2-DCE; 1,1-dichloroethane; TCE; PCE; 1,1,1-TCE; and 1,1,2,2-PCE. Review of the data finds general decreases in the concentrations of the parent compounds PCE and TCE and increases in the concentrations daughter compounds accompanied with an overall decrease in the total CVOC concentration. The exception is soil vapor sample point SGP-11. Soil vapor sample point SGP-11 has an overall increase in each daughter compound. Soil vapor sample point SGP-11 has historically had the highest concentrations of each compound and now exhibits the highest concentrations of each CVOC, including the daughter compound VC. As such, an overall decrease in soil vapor concentrations has been identified, attributed to ongoing SVE and an overall reduction in CVOC concentrations in the subsurface. Based upon the decreasing concentrations and consistent property use at the Site and in the vicinity, the likelihood of exposure to VOCs attributed to the Site via migration pathways to individuals in the vicinity is minimal and continues to reduce.

7.0 COMMUNICATION PLAN

Communication throughout the process is 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 NYS DEC: Bureau of Solid Waste & Corrective Action, Division of Solid & Hazardous Waste 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, 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 4.3 pounds of total VOC mass were removed this reporting period and a total of approximately 461 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 June 6, 2009, soil vapor sampling was conducted in accordance with the August 2006 *Supplemental Work Plan for Soil Vapor Sampling*. Based on the most recent soil vapor screening and sampling results, indoor air impacts to occupied structures on the Site or in the vicinity are unlikely to occur. Continued operation of the SVE systems is warranted to mitigate migration and soil vapor analysis shall be conducted to evaluate the effectiveness of the 19th Avenue SVE system in controlling off-site migration.

Groundwater monitoring wells were sampled on June 6, 2009 for the second of three sampling events in 2009. Additionally, stormwater discharge was sampled to evaluate potential infiltration of Site contaminated groundwater. Groundwater monitoring was performed in accordance with the NYSDEC scope approved on June 13, 2006. The results of the sampling event were compared to data from previous results. Chlorinated petroleum hydrocarbons remain above their respective TOGs 1.1.1 groundwater quality standards and guidance values

on the Site and off-site. Continued operation of the SVE and AS system and environmental monitoring is warranted.

9.0 LIMITATIONS AND CONDITIONS

This Report is based on the conditions existing and readily observable 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 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.

FIGURES

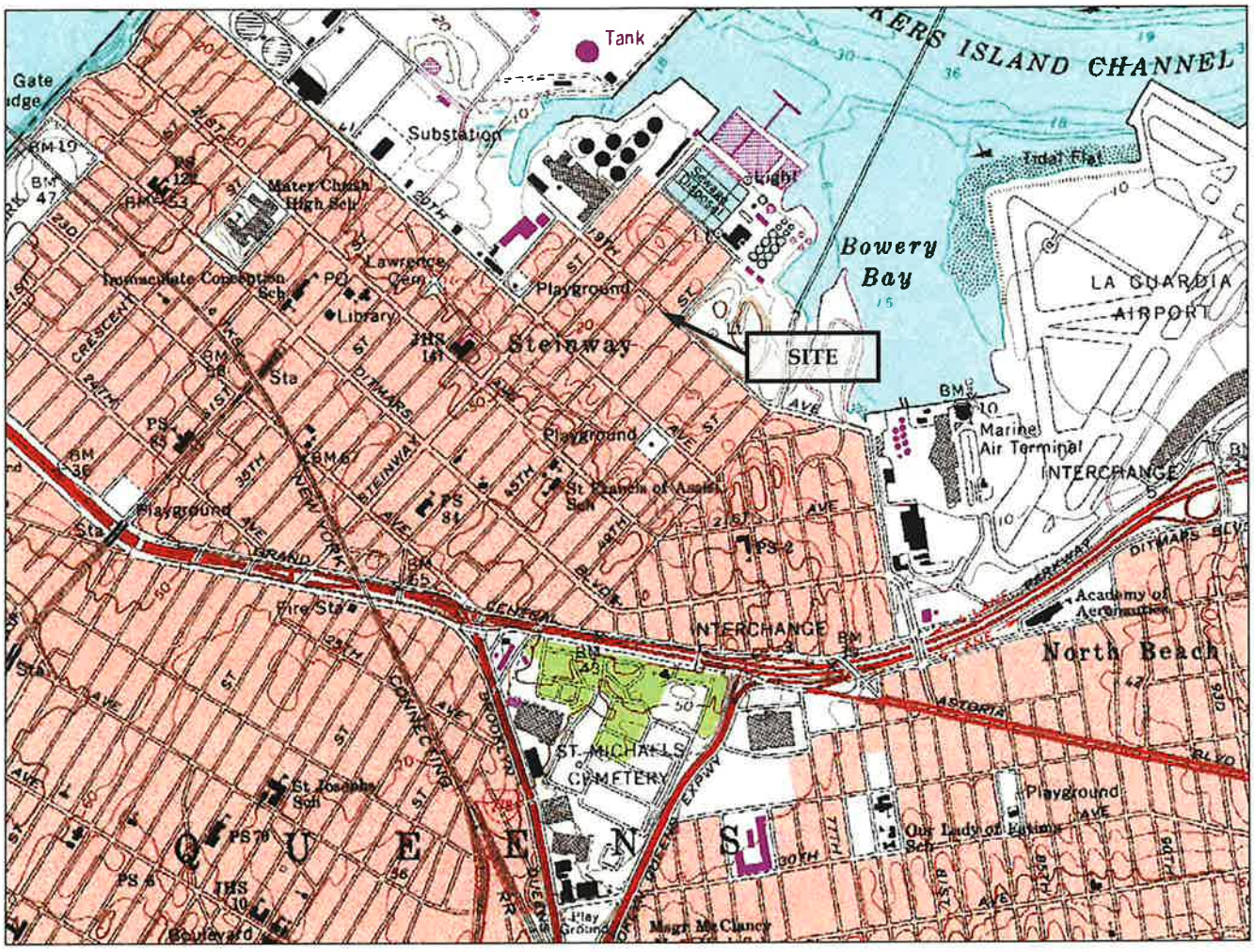


FIGURE 1: USGS LOCUS MAP

42-14 19th Avenue
Astoria, NY

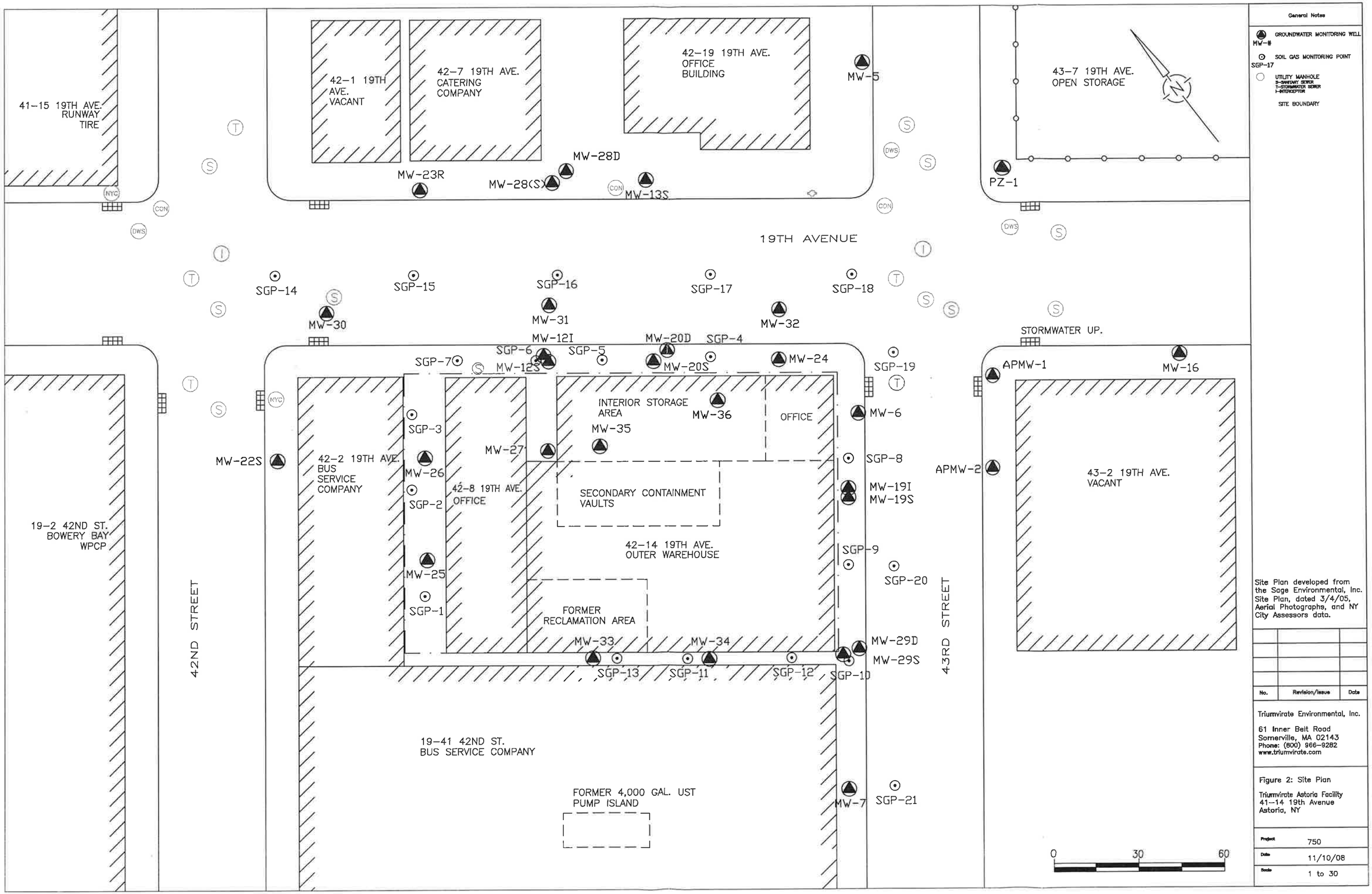
Excerpt from the USGS Topographic Map
Central Part, NY-NJ Quadrangle, 1966, rev. 1979

No Scale

TRIUMVIRATE ENVIRONMENTAL

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

N



General Notes

MW-# GROUNDWATER MONITORING WELL

SGP-17 SOIL GAS MONITORING POINT

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

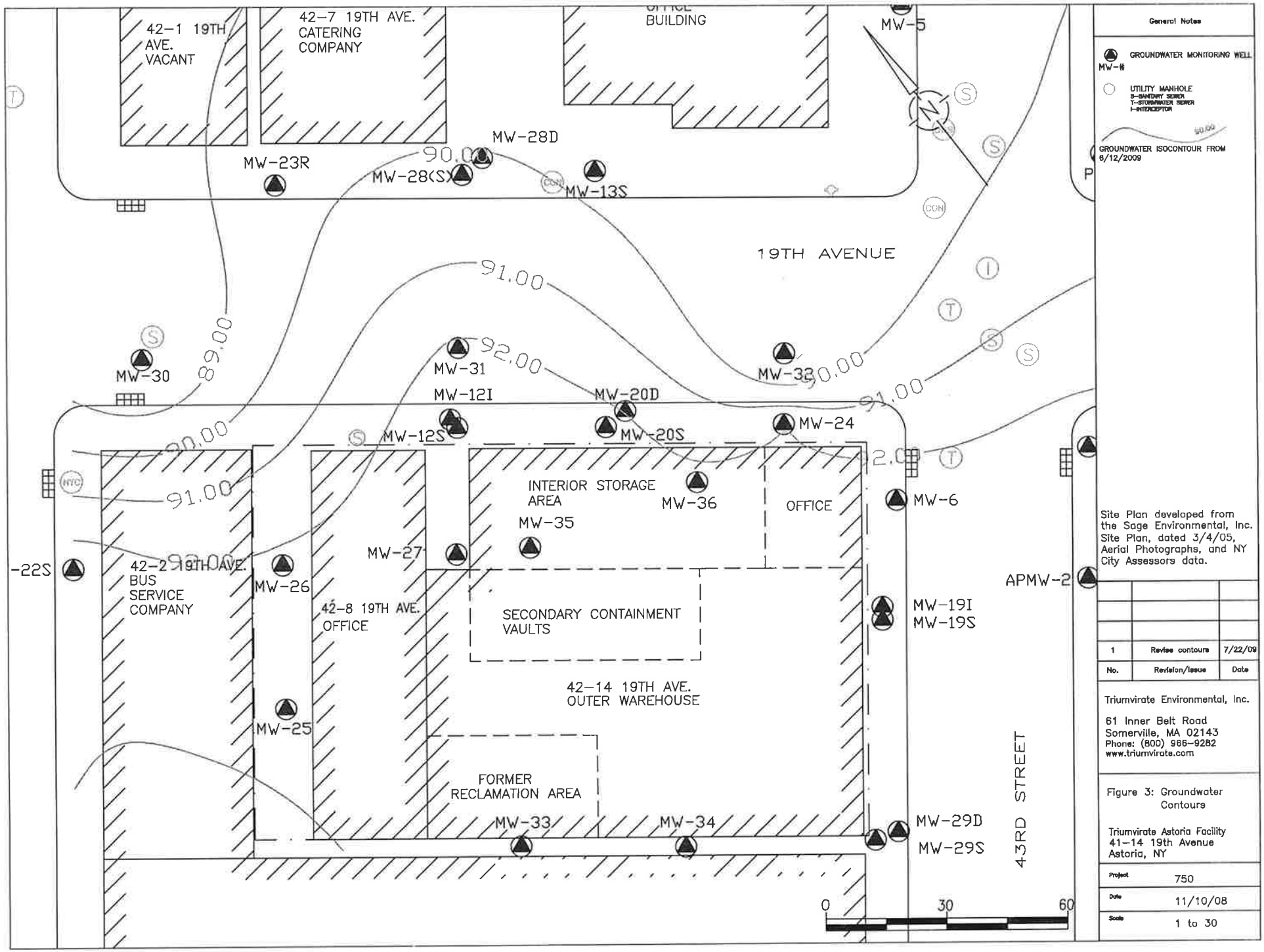
Triumvirate Environmental, Inc.

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



General Notes

GROUNDWATER MONITORING WELL
MW-#

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

GROUNDWATER ISOCONTOUR FROM 6/12/2009

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
1	Revise contours	7/22/09

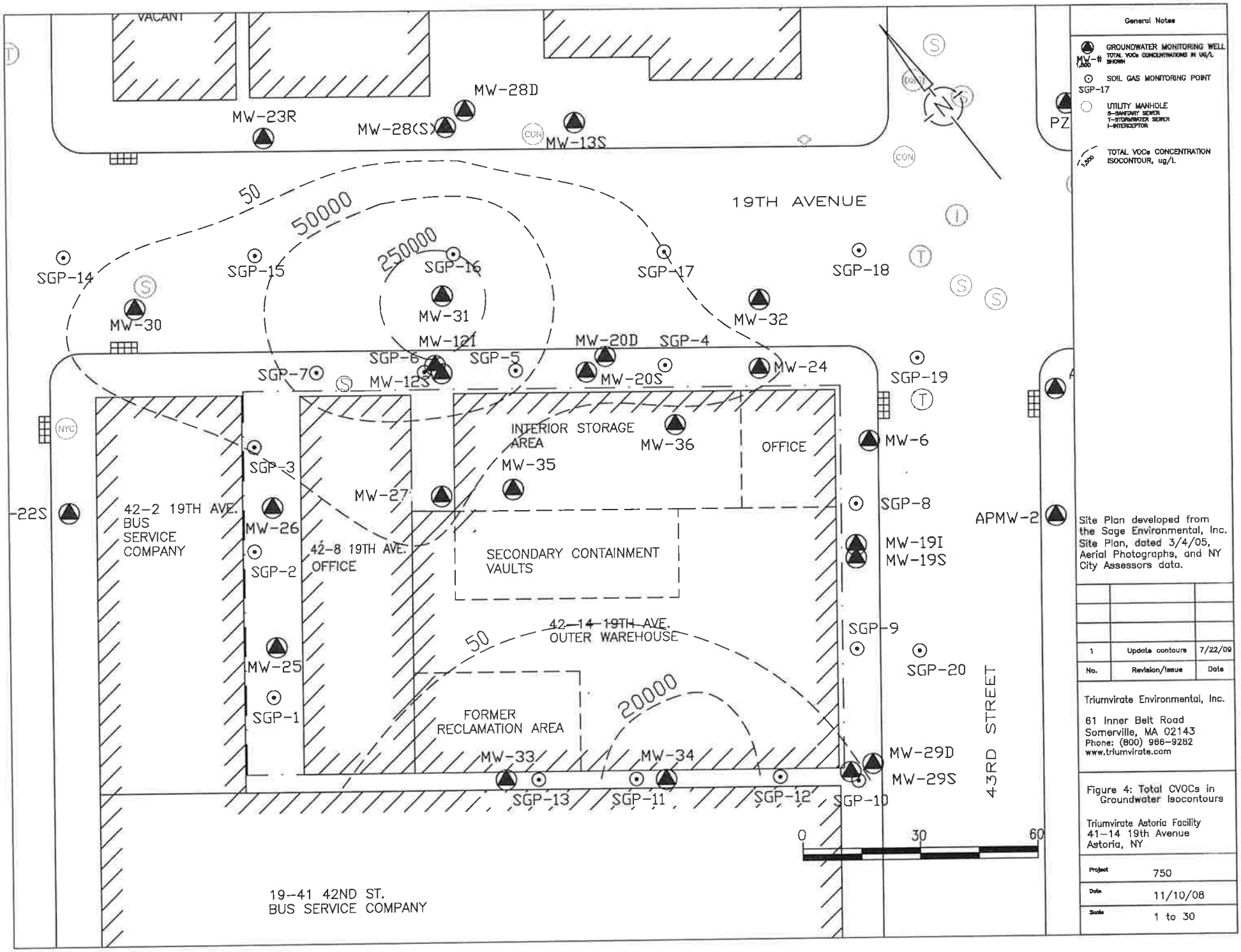
Triumvirate Environmental, Inc.

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
MW-# 200 TOTAL VOCs CONCENTRATIONS IN UG/L SHOWN

SOIL GAS MONITORING POINT
SGP-17

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

TOTAL VOCs CONCENTRATION ISOCONTOUR, ug/L

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
1	Update contours	7/22/09

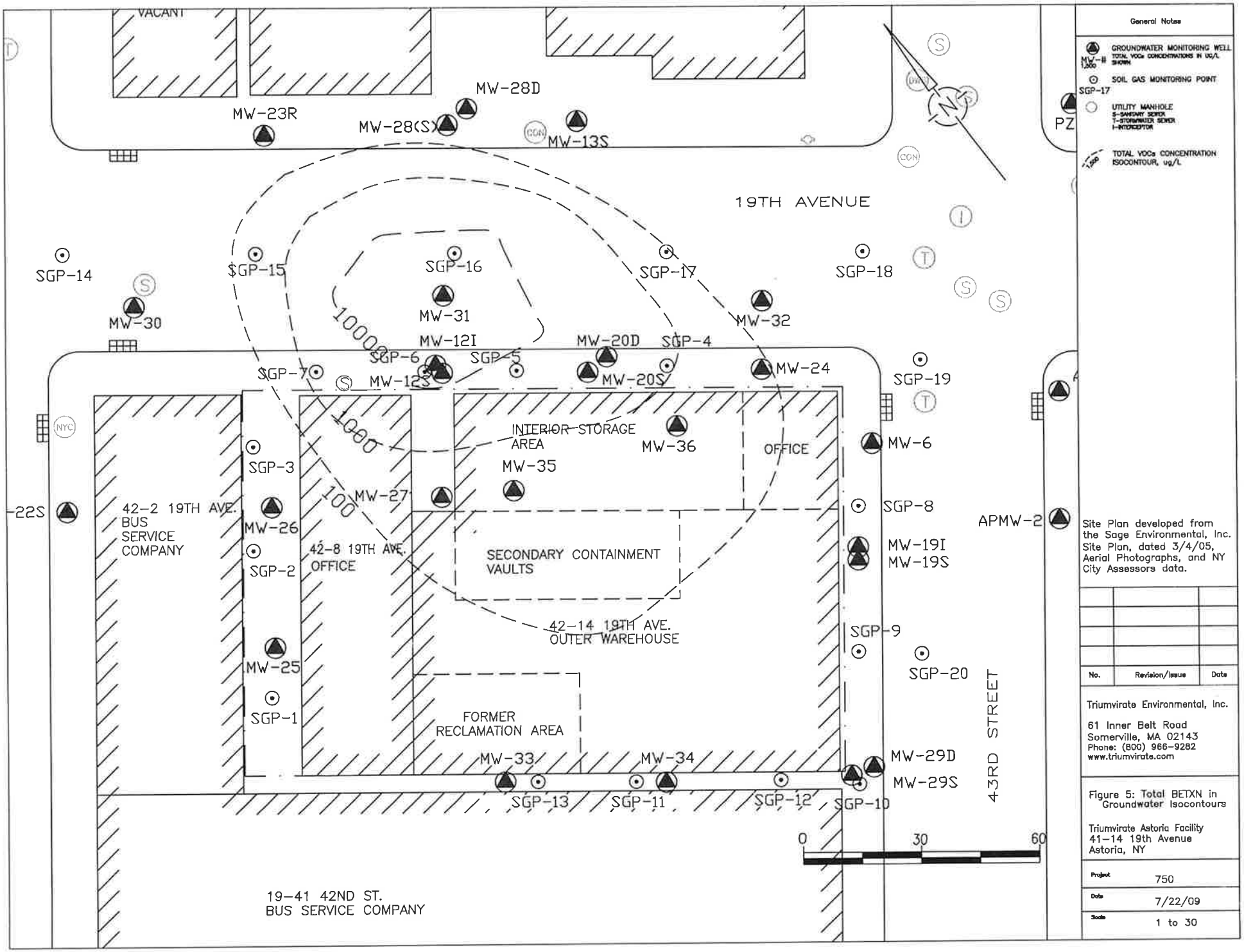
Triumvirate Environmental, Inc.

61 Inner Belt Road
Somerville, MA 02143
Phone: (800) 986-9282
www.triumvirate.com

Figure 4: Total CVOCs in Groundwater Isocontours

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, ug/L

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 5: Total BETXN in Groundwater Isocontours

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

Project	750
Date	7/22/09
Scale	1 to 30

TABLES

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

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	9/29/08	96.51		6.62		89.89		
	6/9/09	96.43		6.60		89.83		
MW-6	9/29/08	96.63		4.04		92.59		
	2/4/09	96.63		4.42		92.21		
	6/9/09	96.72		4.15		92.57		
MW-12S	9/29/08	86.38		3.79		82.59		
	2/4/09	86.38		4.23		82.15		
	6/9/09	96.62		3.85		92.77		
MW-12I	9/29/08	96.24		3.90		92.34		
	2/4/09	96.24		4.22		92.02		
	6/9/09	96.40		3.81		92.59		
MW-13S	9/29/08	96.46		6.89		89.57		
	6/9/09	96.56		6.83		89.73		
MW-16	9/29/08	96.53		3.84		92.69		
	6/9/09	96.61		3.92		92.69		
MW-19I	6/9/09	97.29		4.67		92.62		
MW-19S	9/29/08	97.14		4.51		92.63		
	2/4/09	97.14		4.91		92.23		
	6/9/09	97.27		4.66		92.61		
MW-20S	9/29/08	96.42		4.97		91.45		
	2/4/09	96.42		4.23		92.19		
	6/9/09	96.71		6.34		90.37		
MW-20D	9/29/08	96.62		6.90		89.72		
	2/4/09	96.62		6.80		89.82		
	6/9/09	96.71		6.34		90.37		
MW-22S	9/29/08	96.21		3.69		92.52		
	6/9/09	96.31		3.62		92.69		
MW-23R	9/29/08	95.85		6.38		89.47		
	6/9/09	95.94		6.31		89.63		
MW-24	9/29/08	96.86		4.89		91.97		
	2/4/09	96.86		5.24		91.62		
	6/9/09	96.95		5.02		91.93		H2SO4 odor.
MW-25	9/29/08	97.62		4.91		92.71		
	2/4/09	97.62		5.23		92.39		
	6/9/09	97.72		4.86		92.86		
MW-26	9/29/08	97.17		4.46		92.71		
	6/9/09	97.18		4.98		92.20		
MW-27	9/29/08	99.44		7.76		91.68		
	2/4/09	99.44		7.03		92.41		
	6/9/09	99.32		5.80		93.52		
MW-28S	9/29/08	96.07	Trace	6.77	0.01	89.30		Oil noted.
	6/9/09		Trace					Oil noted.
MW-28D	9/29/08	96.08		6.57		89.51		
	6/9/09	96.17		6.32		89.85		
MW-29S	9/29/08	97.89		5.15		92.74		
	6/9/09	97.99		5.25		92.74		Petro. odor.
MW-29D	9/29/08	97.80		7.26		90.54		
	6/9/09	97.88		7.31		90.57		
MW-30	9/29/08	95.90		8.65		87.25		
	6/9/09	96.00		8.40		87.60		
MW-31	9/29/08	95.90		4.42		91.48		
	2/4/09	95.90		4.31		91.59		
	6/9/09	96.14		3.97		92.17		Chem. odor.
MW-32	9/29/08	96.62		8.47		88.15		
	6/9/09	96.71		8.18		88.53		
MW-33	9/29/08	97.52		4.80		92.72		
	2/4/09	97.52		5.06		92.46		
	6/9/09	97.65		4.88		92.77		
MW-34	9/29/08	97.32		4.85		92.47		
	2/4/09	97.32		4.89		92.43		
	6/9/09	97.45		4.71		92.74		Petro. Odor.
MW-35	9/29/08	99.28		6.64		92.64		
	6/9/09	99.18		6.78		92.40		Chemical odor.
MW-36	9/29/08	99.34		6.80		92.54		Chemical odor.
	6/9/09	99.23		7.05		92.18		Gasoline odor.
PZ-1	9/29/08	96.45		6.19		90.26		
	6/9/09	96.53		6.28		90.25		
APMW-1	9/29/08	96.38		3.74		92.64		
	6/9/09	96.48		3.88		92.60		
APMW-2	9/29/08	97.13		4.21		92.92		
	6/9/09	97.18		4.34		92.84		

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

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date / Analyte	Concentration							NYS Ambient Water Quality Standards June 1998
	MW-5							
	9/16/04	1/19/05	4/27/05	5/24/06	6/14/07	9/29/08	6/9/09	
Volatiles by 8260B (ug/L):								
Benzene	<15	<10	<10	<3	<1	<0.50	<250	1
Chlorobenzene	<15	<10	<10	<3	<1	<0.50	<50	5
Chloroethane	<15	<10	<10	<3	<1	<1.0	<100	5
Chloroform	<15	<10	<10	<3	<1	<0.75	<50	7
Chloromethane	<15	<10	<10	<3	<1	<2.5	<100	NS
1,2-Dichlorobenzene	<15	<10	<10	<3	<1	<2.5	<50	3
1,3-Dichlorobenzene	<15	<10	<10	<3	<1	<2.5	<50	3
1,1-Dichloroethane	**17**	**11**	**15**	**17**	**5.3**	**5.1**	<50	5
1,2-Dichloroethane	<15	<10	<10	<3	<1	<0.50	<100	0.6
1,1-Dichloroethene	<15	<10	<10	<3	<1	<0.50	<50	0.7
cis-1,2-Dichloroethene	**280**	**220**	**270**	**310**	**93**	**44**	**230**	5
trans-1,2-Dichloroethene	<15	<10	<10	<3	2.2	1.4	<50	5
Ethylbenzene	<15	<10	<10	<3	<1	<0.50	<50	5
Isopropylbenzene	<15	<10	<10	<3	<1	<0.50	<250	5
4-Isopropyltoluene	<15	<10	<10	<3	<1	<0.50	<250	5
MTBE	<15	<10	<10	<3	4.8	1.3	<50	NS
Methylene chloride	<15	<10	<10	<3	<1	<5.0	<100	5
Naphthalene	<15	<10	<10	9.5	<1	<2.5	<250	10
n-Propylbenzene	<15	<10	<10	<3	<1	<0.50	<250	5
1,1,1,2-Tetrachloroethane	<15	<10	<10	<3	<1	<0.50	<250	5
1,1,2,2-Tetrachloroethane	<15	<10	<10	<3	<1	<0.50	<50	0.2
Tetrachloroethene (PCE)	<20	<10	**16**	**8.5**	4.2	0.91	<50	0.7
Toluene	<15	<10	<10	<3	<1	<0.75	,50	5
1,1,1-Trichloroethane	<15	<10	<10	<3	<1	<0.50	<50	5
1,1,2-Trichloroethane	<15	<10	<10	<3	<1	<0.75	<50	1
Trichloroethene (TCE)	**57**	**36**	**51**	**42**	**19**	**10**	**71.5**	5
1,2,4-Trimethylbenzene	<15	<10	<10	<15	<1	<2.5	<250	5
1,3,5-Trimethylbenzene	<15	<10	<10	<3	<1	<2.5	<250	5
Vinyl chloride	**71**	**50**	**62**	**140**	**59**	**74**	**113**	2
Total Xylenes	<15	<10	<10	<3	<1	<1.0	<50	5

Notes:
NS: No standard or guidance value established for compound.
<x: Analyte concentration not detected at or above specified laboratory quantitation limit.
BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date / Analyte	Concentration														NYS Ambient Water Quality Standards June 1998
	MW-6														
	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	6/9/09	
Volatiles by 8260B (ug/L):															
Benzene	**9.3**	**15**	**7.4**	**18**	**13**	**14**	**13**	**11**	**9.4**	**9.9**	**5.3**	<1.0	**8.8**	**10.2**	1
sec-Butylbenzene	<5	<5	<5	<5	<5	<5	<1	<5	<1	**5.1**	2.5	3.4	3.6	<5.0	5
tert-Butylbenzene	<5	<5	<5	<5	<5	<5	2.2	<5	2.9	2.3	<1	1.8	<12[c]	<5.0	5
Chlorobenzene	**60**	**96**	**59**	**77**	**71**	**100**	**130**	**150**	**150**	**150**	**76**	**97**	**150**	**159**	5
Chloroethane	<5	<5	<5	**5.6**	<10	<5	<1	<5	<1	<1	<1	<1.0	<5	<5	5
1,2-Dichlorobenzene	<5	<5	<5	<5	<5	<5	3.9	<5	2.2	2.2	<1	1.8	<2.5	**1.8**	3
1,3-Dichlorobenzene	**5.9**	**8.9**	**5.1**	**7.8**	**8.2**	**11**	**20**	**15**	**16**	**15**	2	5	<12	**7.3**	3
1,4-Dichlorobenzene	**6.2**	**8.9**	**5.6**	**8.2**	**7.7**	**10**	**16**	**21**	**20**	**17**	4	**13**	**13**	**14.5**	3
1,1-Dichloroethane	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<3.8	<1.0	5
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<2.5	<1.0	0.6
1,1-Dichloroethene	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<2.5	<1.0	0.7
cis-1,2-Dichloroethene	**28**	<5	**5.5**	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<2.5	<1.0	5
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<3.8	<1.0	5
Ethylbenzene	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<2.5	<2.5	5
Isopropylbenzene	<5	<5	<5	<5	<5	<5	4.6	**5.4**	**6.2**	5	2.7	4.1	3.4	<5.0	5
Naphthalene	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<12	<12	5
n-Propylbenzene	<5	<5	<5	<5	<5	<5	**5.6**	**9.1**	**11**	9	<1	6	**5.6**	**5.6**	5
1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<2.5	<5.0	5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<0.5	<0.5	<2.5	<1.0	0.2
Tetrachloroethene (PCE)	<5	<5	<5	<5	<5	<0.5	<1	<5	<1	<1	<1	<1.0	<2.5	<1.0	0.7
Toluene	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<3.8	<1.0	5
1,1,1-Trichloroethane	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<2.5	<1.0	5
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<3.8	<1.0	1
Trichloroethene (TCE)	<5	<5	<5	<5	<5	<0.5	<1	<5	<1	<1	<1	1.4	<2.5	<1.0	5
1,2,4-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<1	<5	2	<1	<1	1.3	<12	<5.0	5
1,3,5-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<1	<5	2.2	1.4	<1	<1.0	<12	<5.0	5
Vinyl chloride	**13**	<5	**5.1**	<5	<10	1.3	<0.5	<2	<1	<1	<1	<1.0	<5	<1.0	2
Total Xylenes	<5	<5	<5	<5	<5	<5	1.1	<5	3.7	2.5	1.8	<1.0	<5	<1.0	5

Notes:
NS: No standard or guidance value established for compound.
<x: Analyte concentration not detected at or above specified laboratory quantitation limit.
BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date / Analyte	Concentration									NYS Ambient Water Quality Standards June 1998
	MW-7									
	8/28/95	8/20/03	2/5/04	5/17/04	7/29/04	1/19/05	4/27/05	5/24/06	6/14/07	
Volatiles by 8260B (ug/L):										
Benzene	**39**	**12**	**12**	**7**	**12**	<5	<5	**2.1**	<1	1
Chlorobenzene	ND	<5	<5	<5	<5	<5	<5	<1	<1	5
Chloroethane	**120**	**77**	**86**	**58**	**120**	**41**	**130**	<1	**63**	5
Chloroform	ND	<5	0.5	<5	<5	<5	<5	<1	<1	7
Chloromethane	NA	<5	<5	<5	<5	<5	<5	<1	<1	NS
1,2-Dichlorobenzene	ND	<5	<5	<5	<5	<5	<5	<1	<1	3
1,3-Dichlorobenzene	ND	<5	<5	<5	<5	<5	<5	<1	<1	3
1,4-Dichlorobenzene	ND	<5	<5	<5	<5	<5	<5	<1	<1	3
1,1-Dichloroethane	1	<5	<5	<5	<5	<5	<5	<1	<1	5
1,2-Dichloroethane	ND	<5	0.53	0.32	<5	<5	<5	<1	<1	0.6
1,1-Dichloroethene	ND	<5	<5	<5	<5	<5	<5	<1	<1	0.7
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
Ethylbenzene	ND	<5	0.25	<5	<5	<5	<5	<1	<1	5
Isopropylbenzene	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	NS
Methylene chloride	2	<10	<5	<5	<5	<5	<5	<1	<1	5
Naphthalene	ND	<5	0.28	<5	<5	<5	<5	<1	<1	10
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	0.2
Tetrachloroethene (PCE)	ND	<5	<5	<5	<5	<5	<5	<1	<1	0.7
Toluene	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	<5	<5	<5	<5	<5	<1	<1	5
Trichloroethene (TCE)	ND	<5	<5	0.27	<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**	<5	0.92	<5	<2	<5	<5	<0.5	<1	2
Total Xylenes	ND	<5	1.07	<5	<5	<5	<5	<1	<1	5

Notes:
NS: No standard or guidance value established for compound.
<x: Analyte concentration not detected at or above specified laboratory quantitation limit.
BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date / Analyte	Concentration																				NYS Ambient Water Quality Standards June 1998
	MW-12S																				
	8/24/95	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	2/8/07	6/14/07	10/18/07	6/18/08	9/29/08	2/4/09	6/9/09	
Volatiles by 8260B (ug/L):																					
Benzene		37	44	30	49	41	36	40	46	45	44	40	42	43	40	45	47	54	56	34.7	10
Bromobenzene		<5	1.7	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<5	<5	<5	5
Chlorobenzene	ND	38	61	61	73	68	58	65	70	66	63	53	51	58	61	74	73	110	100	48	5
Chloroethane	ND	<5	<5	<5	<5	<5	<5	<5	<5	<10	<5	<1	<5	<1	<1	<1	<1.0	<2	<2	<2	5
1,2-Dichlorobenzene	ND	69	72	38	70	62	66	53	52	68	58	59	51	62	45	44	47	40	36	19.8	3
1,3-Dichlorobenzene	ND	8.5	12	8.1	14	12	12	11	11	15	14	14	12	16	14	10	15	10	12	5.6	3
1,4-Dichlorobenzene	ND	89	110	70	140	120	130	110	120	140	120	110	100	120	93	90	92	83	80	43	3
1,1-Dichloroethane	47	17	11	7.9	6.6	<5	<5	5.8	<5	5.4	9.2	5.6	<5	3.5	2.6	2.9	2.6	2.8	2.5	2.2	5
1,2-Dichloroethane	ND	<5	2.1	1.7	<5	<5	<5	<5	<5	<5	<5	1.3	<5	1.3	1.2	<1	<1.0	2.4	<1.0	<1.0	0.6
1,1-Dichloroethene	ND	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<1	<1	<1.0	5
cis-1,2-Dichloroethene	4200	7.8	5.2	1.4	7	<5	<5	<5	<5	<5	<5	3.1	<5	<1	<1	<1	<1.0	3	1.4	2.1	5
trans-1,2-Dichloroethene		<5	2.8	1.7	<5	<5	<5	<5	<5	<5	<5	2.5	<5	2.5	1.4	<1	1.7	1.6	1.5	<1.0	5
1,2-Dichloropropane	ND	<5[c]	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	3.5	3.5	<2.0	1
Ethylbenzene	1700	62	69	35	59	52	61	44	48	58	45	47	50	60	38	40	51	41	29	15.1	5
Isopropylbenzene	NA	6.8	8	4.5	7.9	7.2	6.4	5.3	<5	8.2	6.2	6.6	5.8	7.3	5.1	4.4	5.8	4.4	3.4	<5.0	5
4-Isopropyltoluene	NA	24	15	10	16	15	12	10	7.2	12	12	12	10	14	20	5.6	26	4	4.6	<5.0	5
MTBE	NA	63	40	42	30	29	30	36	20	10	38	15	25	29	25	23	22	23	23	14.6	5
Naphthalene	ND	36	38	21	37	36	30	22	25	38	32	29	29	34	28	26	29	27	15	<5.0	10
n-Propylbenzene	NA	15	16	9.6	17	15	12	12	10	17	12	13	12	15	10	8.3	11	8	6.9	<5.0	5
1,1,1,2-Tetrachloroethane		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<1	<1	<5.0	5
1,1,2,2-Tetrachloroethane	ND	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<0.5	<0.5	<1	<1	<1.0	0.2
Tetrachloroethene (PCE)	39	<5	<5	<5	<5	<5	<5	<5	<5	<5	<0.5	<5	<5	<1	<1	<1	<1.0	<1	<1	<1.0	0.7
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.3	6.3	NT	5
Toluene	6700	63	70	35	62	56	67	48	47	61	48	50	54	63	35	40	41	40	27	5.9	5
1,2,3-Trichlorobenzene		<5	1.6	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<5	<5	<5	5
1,2,4-Trichlorobenzene	ND	26	23	15	10	6.8	9.2	5	7.5	<5	<5	6.3	<5	2.8	1.7	<1	2.6	<1	<1	<5.0	5
1,1,1-Trichloroethane	140	<5	0.38	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<1	<1	<1	5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<1.5	<1.5	<1.5	1
Trichloroethene (TCE)	79	<5	3	0.7	<5	<5	<5	<5	<5	<5	0.62	2.8	<5	<1	<1	<1	1.4	<1	<1	<1.0	5
1,2,4-Trimethylbenzene	NA	100	120	65	110	100	100	79	73	110	87	85	83	100	61	63	62	61	40	8.2	5
1,3,5-Trimethylbenzene	NA	61	67	40	7.9	7.2	56	49	39	62	55	43	46	61	34	26	47	31	20	<5.0	5
Vinyl chloride	5500	5.4	<5	<5	5.2	<2	<5	<5	5.6	<10	3.6	3.2	<2	<1	2	1.9	2.4	2.2	2	2.5	2
Total Xylenes	8400	250	320	152	259	228	260	199	217	248	187	186	225	243	139	159	204	169	105	27	5

Notes:
NS: No standard or guidance value established for compound.
<x: Analyte concentration not detected at or above specified laboratory quantitation limit.
BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date	Concentration											NYS Ambient Water Quality Standards June 1998
	MW-13S											
Analyte	8/25/03	8/20/03	2/6/04	5/17/04	7/29/04	1/19/05	4/27/05	5/24/06	6/14/07	9/29/08	6/9/09	
Volatiles by 8260B (ug/L):												
Benzene	130	14	<5	27	42	13	30	27	9	2	2.1	1
Chlorobenzene	ND	5.5	<5	0.86	<5	<5	<5	<1	<2	<0.5	<1.0	5
Chloroethane	16	<5	<5	<5	<5	<5	<5	<1	<2	1.2	4.8	5
Chloroform	ND	<5	0.36	<5	<5	<5	<5	<1	<2	<0.75	<1.0	7
1,1-Dichloroethane	3	<5	<5	<5	<5	<5	<5	<1	<2	<0.75	<1.0	5
1,2-Dichloroethane	ND	<5	<5	0.44	<5	<5	<5	<1	<2	<0.5	<1.0	0.06
1,1-Dichloroethene	ND	<5	<5	<5	<5	<5	<5	<1	<2	<0.5	<1.0	0.07
cis-1,2-Dichloroethene	11	<5	<5	<5	<5	<5	<5	<1	<2	<0.5	<1.0	5
trans-1,2-Dichloroethene	NA	<5	<5	<5	<5	<5	<5	<1	<2	<0.75	<1.0	5
Ethylbenzene	ND	<5	4.1	<5	<5	<5	<5	<1	<2	<0.5	<1.0	5
Isopropylbenzene	NA	<5	0.8	<5	<5	<5	<5	<1	<2	<0.5	<5.0	5
4-Isopropyltoluene	NA	<5	<5	<5	<5	<5	<5	<1	<2	<0.5	<5.0	5
MTBE	NA	<5	<5	<5	<5	<5	5.8	6.5	6	3.2	2.8	NS
Methylene chloride	4	<10	<5	<5	<5	<5	<5	<1	<2	<5	<2.0	5
Naphthalene	ND	<5	12	<5	<5	<5	<5	<1	<2	<2.5	<5.0	10
1,1,1,2-Tetrachloroethane	NA	<5	<5	<5	<5	<5	<5	<1	<2	<0.5	<5.0	5
1,1,2,2-Tetrachloroethane	ND	<5	<5	<5	<5	<5	<5	<1	<2	<0.5	<1.0	0.2
Tetrachloroethene (PCE)	1	<5	<5	<5	<5	<5	<5	<1	<2	<0.5	<1.0	0.7
Toluene	2	<5	<5	<5	<5	<5	<5	<1	<2	<0.75	<1.0	5
1,1,1-Trichloroethane	ND	<5	<5	<5	<5	<5	<5	<1	<2	<0.5	<1.0	5
1,1,2-Trichloroethane	NA	<5	<5	<5	<5	<5	<5	<1	<2	<0.75	<1.0	1
Trichloroethene (TCE)	1	<5	<5	<5	<5	<5	<5	<1	<2	0.86	<1.0	5
1,2,4-Trimethylbenzene	NA	<5	0.58	<5	<5	<5	<5	<1	<2	<2.5	<5.0	5
1,3,5-Trimethylbenzene	NA	<5	<5	<5	<5	<5	<5	<1	<2	<2.5	<5.0	5
Vinyl chloride	9	<5	<5	<5	<2	<5	<5	0.54	<2	<1	1.1	2
Total Xylenes	3	<5	1.05	<5	<5	<5	<5	<1	<2	<1	<1.0	5

Notes:
NS: No standard or guidance value established for compound.
<x: Analyte concentration not detected at or above specified laboratory quantitation limit.
BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date / Analyte	Concentration MW-12I																			NYS Ambient Water Quality Standards June 1998
	8/24/95	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	2/8/07	6/14/07	10/18/07	6/18/08	9/29/08	2/4/09	6/9/09	
Volatiles by 8260B (ug/L):																					
Benzene	20000	12000	9300	8100	<7500	<7500	13000	<5000	11000	14000	<5000	2400	7400	5400	5900	9600	6700	1100	1400	5790	10
Chlorobenzene	ND	<10000	<10000	<10000	<7500	<7500	<10000	<5000	<5000	<10000	<5000	<500	<1000	120	<800	2500	<2000	<500	<500	<500	5
Chloroethane	ND	<10000	<10000	<10000	<7500	<7500	<10000	<5000	<5000	<20000	<5000	<500	<1000	200	<800	<1000	<2000	<1000	<1000	<1000	5
Chloroform	41000	16000	12000	9000	8500	7600	13000	5800	11000	17000	<5000	2600	7700	6400	7000	12000	7000	<750	<750	6270	7
1,2-Dichlorobenzene	ND	<10000	1100	<10000	<7500	<7500	<10000	<5000	<5000	<10000	<5000	<500	2000	270	<800	4000	<2000	<2500	<2500	97.2	3
1,3-Dichlorobenzene	ND	<10000	610	<10000	<7500	<7500	<10000	<5000	<5000	<10000	<5000	<500	<1000	53	<800	1700	<2000	<2500	<2500	16.5	3
1,4-Dichlorobenzene	ND	<10000	1600	<10000	<7500	<7500	<10000	<5000	<5000	<10000	<5000	<500	<1000	140	<800	6100	<2000	<2500	<2500	67.3	3
1,1-Dichloroethane	4800	<10000	<10000	2200	<7500	<7500	<10000	<5000	<5000	<10000	<5000	920	4300	3000	4300	5800	6300	1700	2500	5030	5
1,2-Dichloroethane	ND	<10000	2700	2300	<7500	<7500	<10000	<5000	<5000	<10000	<5000	660	2100	1800	1700	2600	2300	<500	<500	1930	0.6
1,1-Dichloroethene	3800	<10000	1200	890	<7500	<7500	<10000	<5000	<5000	<10000	<5000	500	1500	930	1400	<1000	<2000	<500	<500	1410	5
cis-1,2-Dichloroethene	140000	210000	230000	160000	180000	200000	230000	130000	150000	250000	100000	58000	200000	150000	200000	260000	220000	37000	44000	228000	5
trans-1,2-Dichloroethene	NA	<10000	<10000	<10000	<7500	<7500	<10000	<5000	<5000	<10000	<5000	<500	<1000	3200	<800	<1000	<2000	<750	<750	9	5
1,2-Dichloropropane	290	<10000	<10000	<10000	<7500	<7500	<10000	<5000	<5000	<10000	<5000	<500	<1000	45	<800	<1000[c]	<2000	<1800	<1800	<1800	1
Ethylbenzene	1200	<10000	1900	1300	<7500	<7500	<10000	<5000	<5000	<10000	<5000	<2500	3600	2000	930	3200	<2000	<500	<500	368	5
Isopropylbenzene	NA	<10000	<10000	<10000	<7500	<7500	<10000	<5000	<5000	<10000	<5000	<500	<1000	37	<800	<1000	<2000	<500	<500	<500	5
4-Isopropyltoluene	NA	<10000	<10000	<10000	<7500	<7500	<10000	<5000	<5000	<10000	<5000	<500	<1000	26	<800	<1000	<2000	<500	<500	<500	5
MTBE	NA	<10000	<10000	<10000	<7500	<7500	<10000	<5000	<5000	<10000	<5000	<500	<1000	<1	<800	<1000	<2000	<1000	<1000	198	5
Methylene chloride	15000	<20000	<10000	1200	<7500	<7500	<10000	<5000	<5000	<10000	<5000	<500	<2000	2000	<800	<5000	<10000[c]	<5000	<5000	1860	5
Naphthalene	ND	<10000	9000	<10000	<7500	<7500	<10000	<5000	<5000	<10000	<5000	1700	<1000	200	<800	16000	<2000	<2500	<2500	55	10
Tetrachloroethene (PCE)	27000	42000	28000	26000	9400	<7500	270000	12000	42000	100000	25000	9000	80000	36000	7400	29000	<2000	<500	<500	1290	0.7
Toluene	8300	<10000	7500	6100	<7500	<7500	19000	<5000	9100	14000	<5000	2000	9300	5700	3600	10000	4100	890	980	3230	5
1,2,3-Trichlorobenzene	NA	<10000	2100	<10000	<7500	<7500	<10000	<5000	<5000	<10000	<5000	<500	7800	200	<800	<1000	<2000	<2500	<2500	49.9	5
1,2,4-Trichlorobenzene	ND	<10000	7900	<10000	7800	<7500	44000	17000	8800	45000	12000	2000	13000	10000	<800	<1000	4700	<2500	<2500	296	5
1,1,1-Trichloroethane	13000	12000	12000	10000	<7500	9200	21000	<5000	12000	16000	6700	3300	12000	7000	7400	9800	8100	<500	1300	6510	5
1,1,2-Trichloroethane	NA	<10000	<10000	<10000	<7500	<7500	<10000	<5000	<5000	<10000	<5000	<500	<1000	87	<800	<1000	<2000	<750	<750	44.9	1
Trichloroethene (TCE)	110000	49000	27000	40000	12000	7700	100000	10000	66000	57000	17000	3700	21000	14000	3600	17000	2500	<500	500	2100	5
Trichlorofluoromethane	NA	<10000	<10000	<10000	<7500	<7500	<10000	<5000	<5000	<20000	<5000	<500	<1000	83	<800	<1000	<2000	<2500	<2500	35.6	5
1,2,4-Trimethylbenzene	NA	<10000	1200	<10000	<7500	<7500	<10000	<5000	<5000	<10000	<5000	<2500	4300	280	<800	3700	<2000	<2500	<2500	125	5
1,3,5-Trimethylbenzene	NA	<10000	630	<10000	<7500	<7500	<10000	<5000	<5000	<10000	<5000	<500	2200	150	<800	1500	<2000	<2500	<2500	50	5
Vinyl chloride	8000	<10000	<10000	2100	<3000	4500	<10000	<5000	<5000	<20000	3300	1600	5900	3200	7200	8200	13000	4200	2600	15600	2
Total Xylenes	3800	<10000	7500	4900	<7500	<7500	27000	<5000	<5000	15000	5700	3660	17200	9500	1000	13800	<2000	1100	2000	2510	5

Notes:
NS: No standard or guidance value established for compound.
<x: Analyte concentration not detected at or above specified laboratory quantitation limit.
BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date	Concentration											NYS Ambient Water Quality Standards June 1998
	MW-16											
Analyte	8/24/95	8/20/03	2/6/04	5/17/04	7/29/04	1/19/05	4/27/05	5/24/06	6/14/07	9/29/08	6/9/09	
Volatiles by 8260B (ug/L):												
Benzene	**11**	<5	<5	<5	<5	<5	<5	<1	<1	<0.5	<0.50	1
Chlorobenzene	ND	<5	<5	<5	<5	<5	<5	<1	<1	<0.50	<1.0	5
Chloroethane	ND	<5	<5	<5	<5	<5	<5	<1	<1	<1.0	<2.0	5
1,1-Dichloroethane	1	<5	<5	<5	<5	<5	<5	<1	<1	<5.0	<1.0	5
1,2-Dichloroethane	ND	<5	<5	<5	<5	<5	<5	<1	<1	<0.50	<2.0	0.6
1,1-Dichloroethene	ND	<5	<5	<5	<5	<5	<5	<1	<1	<0.50	<1.0	0.7
cis-1,2-Dichloroethene	ND	<5	<5	<5	<5	<5	<5	<1	<1	<5.0	<1.0	5
trans-1,2-Dichloroethene		<5	<5	<5	<5	<5	<5	<1	<1	<0.5	<1.0	5
Ethylbenzene	**12**	<5	3.6	0.59	<5	**11**	**6.1**	**7.9**	<1	1.6	<1.0	5
Isopropylbenzene	NA	<5	0.7	<5	<5	<5	<5	1.4	1.1	0.59	<5.0	5
4-Isopropyltoluene	NA	<5	<5	<5	<5	<5	<5	<1	<1	<0.50	<5.0	5
MTBE	NA	<5	<5	<5	<5	<5	<5	<1	<1	<1.0	<1.0	NS
Naphthalene	ND	**14**	**11**	8.2	<5	**13**	6.2	<1	2.6	<2.5	<5.0	10
n-Propylbenzene	NA	<5	0.27	<5	<5	<5	<5	<1	<1	<0.50	<5.0	5
1,1,1,2-Tetrachloroethane		<5	<5	<5	<5	<5	<5	<1	<1	<0.50	<5.0	5
1,1,2,2-Tetrachloroethane	ND	<5	<5	<5	<5	<5	<5	<1	<1	<0.50	**<1.0**	0.2
Tetrachloroethene (PCE)	ND	**7.2**	<5	<5	<5	<5	<5	<1	<1	<0.50	<1.0	0.7
Toluene	ND	<5	0.33	<5	<5	<5	<5	<1	<1	<0.75	<1.0	5
1,2,3-Trichlorobenzene		<5	<5	<5	<5	<5	<5	<1	<1	<2.5	<5.0	5
1,2,4-Trichlorobenzene	ND	<5	<5	<5	<5	<5	<5	<1	<1	<2.5	<5.0	5
1,1,1-Trichloroethane	ND	<5	<5	<5	<5	<5	<5	<1	<1	<0.50	<1.0	5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5	<5	<1	<1	<0.75	<1.0	1
Trichloroethene (TCE)	ND	<5	<5	<5	<5	<5	<5	<1	<1	<0.50	<1.0	5
1,2,4-Trimethylbenzene	NA	<5	<5	<5	<5	<5	<5	<1	<1	<2.5	<5.0	5
1,3,5-Trimethylbenzene	NA	<5	<5	<5	<5	<5	<5	<1	2	<2.5	<5.0	5
Vinyl chloride	ND	<5	<5	<5	<2	<5	<5	<0.5	<1	<1.0	<1.0	2
Total Xylenes	2	<5	1.01	<5	<5	<5	<5	<1	<1	<1.0	**<1.0**	5

Notes:
NS: No standard or guidance value established for compound.
<x: Analyte concentration not detected at or above specified laboratory quantitation limit.
BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date	Concentration																			NYS Ambient Water Quality Standards June 1998
	MW-19S																			
Analyte	8/23/95	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	6/18/08	9/29/08	2/4/09	6/9/09	
Volatiles by 8260B (ug/L):																				
Benzene	100	<35	28	2.2	<10	<10	<10	<5	<25	<25	<5	<5	<5	<5	1.9	1.4	<5	<5	<2.5	10
Chlorobenzene	ND	<35	21	2.4	<10	<10	<10	<5	<25	<25	<2	<5	1.8	<5	<1	<1.0	<5	<5	<5.0	5
Chloroform	ND	<35	1.3	0.63	<10	<10	<10	<5	<25	<25	<2	<5	<1	<5	<1	<1.0	<7.5	<7.5	<5.0	7
1,2-Dichlorobenzene	ND	<35	40	0.82	<10	<10	<10	<5	<25	<25	<2	<5	<1	<5	<1	<1.0	<25	<25	<5.0	3
1,3-Dichlorobenzene	ND	<35	9.2	1.7	<10	<10	<10	<5	<25	<25	<2	<5	<1	<5	<1	<1.0	<25	<25	<5.0	3
1,4-Dichlorobenzene	2	<35	55	3.9	<10	<10	<10	<5	<25	<25	<2	<5	2.4	<5	<1	1.6	<25	<25	<5.0	3
1,1-Dichloroethane	29	<35	<5	5.2	11	<10	<10	<5	<25	<25	8.2	5.5	13	18	2.5	4.8	18	18	21	5
1,2-Dichloroethane	ND	<35	4.1	0.72	<10	<10	<10	<5	<25	<25	<2	<5	<1	<5	<1	<1.0	<5	<5	<5.0	0.6
1,1-Dichloroethene	ND	<35	1	<10	<10	<10	<10	<5	<25	<25	<2	<5	<1	<5	<1	<1.0	<5	<5	<5.0	5
cis-1,2-Dichloroethene	8	500	110	140	300	190	260	48	580	690	290	130	410	580	33	84	390	500	528	5
trans-1,2-Dichloroethene		<35	0.59	0.95	<10	<10	<10	<5	<25	<25	<2	<5	5	<5	<1	1.3	<7.5	<7.5	<5.0	5
Isopropylbenzene	NA	<35	3.1	<10	<10	<10	<10	<5	<25	<25	<2	<5	<1	<5	<1	<1.0	<5	<5	<25	5
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	<10	<5.0	NS
Tetrachloroethene (PCE)	2	860	0.49	250	160	85	62	18	72	82	61	70	42	84	4.6	12	22	33	16.9	5
Toluene	4	<35	110	<10	<10	<10	<10	<5	<25	<25	<2	<5	<1	<5	<1	<1.0	<7.5	<7.5	<5.0	5
1,2,3-Trichlorobenzene		<35	5.3	<10	<10	<10	<10	<5	<25	<25	<2	<5	<1	<5	<1	<1.0	<25	<25	<25	5
1,2,4-Trichlorobenzene	ND	<35	25	8.1	<10	<10	<10	7.8	<25	<25	<2	<5	2.2	<5	1.9	<1.0	<25	<25	<25	5
1,1,1-Trichloroethane	ND	<35	<5	1.4	<10	<10	<10	<5	<25	<25	2.1	<5	1.7	<5	<1	<1.0	<5	<5	<5.0	5
1,1,2-Trichloroethane		<35	<5	<10	<10	<10	<10	<5	<25	<25	<2	<5	<1	<5	<1	<1.0	<7.5	<7.5	<5.0	1
Trichloroethene (TCE)	2	210	<5	51	57	29	24	13	70	80	42	33	33	97	6.5	15	32	39	38	0.7
Trichlorofluoromethane		<35	0.63	<10	<10	<10	<10	<5	<50	<25	<2	<5	<1	<5	<1	<1.0	<25	<25	<25	5
1,2,4-Trimethylbenzene	NA	<35	43	<10	<10	<10	<10	<5	<25	<25	<2	<5	<1	<5	<1	<1.0	<25	<25	<25	5
1,3,5-Trimethylbenzene	NA	<35	19	<10	<10	<10	<10	<5	<25	<25	<2	<5	<1	<5	<1	<1.0	<25	<25	<25	5
Vinyl chloride	ND	43	35	16	22	16	30	8.5	84	90	16	11	65	41	13	14	42	10	18.9	2
Total Xylenes	4	<35	262	<10	<10	<10	<10	<5	<25	<25	<2	<5	<1	<5	<1	<1.0	<10	<20	<20	5

Notes:
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<x: Analyte concentration not detected at or above specified laboratory quantitation limit.
BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date	Concentration																NYS Ambient Water Quality Standards June 1998
Analyte	MW-19I																
	8/23/95	8/20/03	2/5/04	5/17/04	7/29/04	1/19/05	4/27/05	5/24/06	11/30/06	2/8/07	6/14/07	10/18/07	6/18/08	9/29/08	2/4/09	6/9/09	
Volatiles by 8260B (ug/L):																	
Benzene	**150**	<5	<5	**10**	15	**9.6**	**11**	7.9	6.8	4.6	2.5	2.5	6.2	5.7	<5	2.8	10
Chlorobenzene	ND	<5	<5	0.6	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<0.50	<0.50	<1.0	5
Chloroethane	**190**	**15**	<5	**73**	<5	**34**	**120**	<1	90	75	**35**	**44**	**57**	<1.0	**38**	**38.9**	5
Chloroform	ND	<5	0.72	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<0.75	<0.75	<1.0	7
1,2-Dichlorobenzene	ND	<5	2.5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<2.5	<2.5	<2.0	3
1,3-Dichlorobenzene	ND	<5	0.29	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<2.5	<2.5	<1.0	3
1,4-Dichlorobenzene	ND	<5	0.66	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<2.5	<2.5	<1.0	3
1,1-Dichloroethane	**57**	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<0.50	<0.50	<1.0	5
1,2-Dichloroethane	ND	<5	<5	0.32	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<0.50	<0.50	<1.0	0.6
1,1-Dichloroethene	ND	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<0.50	<0.50	<1.0	5
cis-1,2-Dichloroethene	2	<5	**15**	0.28	<5	<5	<5	<1	<5	<1	2.5	<1	<1.0	<0.50	<0.50	<1.0	5
trans-1,2-Dichloroethene		<5	0.92	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	1.4	<1.0	<1.0	5
Ethylbenzene	2	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<0.50	<0.50	<1.0	5
Isopropylbenzene	NA	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<0.50	<0.50	<5.0	5
4-Isopropyltoluene	NA	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<0.50	<0.50	<5.0	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	6	5.8	NS
Methylene chloride	**8**	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<5	<5.0	<5.0	<5.0	<2.0	5
Naphthalene	ND	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<2.5	<2.5	<5.0	10
n-Propylbenzene	NA	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<0.50	<0.50	<5.0	5
1,1,1,2-Tetrachloroethane		<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<0.50	<0.50	<5.0	5
1,1,2,2-Tetrachloroethane	ND	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<0.5	<0.5	<0.50	<0.50	<1.0	0.2
Tetrachloroethene (PCE)	ND	<5	3.3	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	0.91	0.5	<1.0	0.7
Toluene	**8**	<5	0.35	0.39	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<0.75	<0.75	<1.0	5
1,2,3-Trichlorobenzene		<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<2.5	<2.5	<5.0	5
1,2,4-Trichlorobenzene	ND	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<2.5	<2.5	<5.0	5
1,1,1-Trichloroethane	ND	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<0.50	<0.50	<1.0	5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<0.75	<0.75	<1.0	1
Trichloroethene (TCE)	ND	<5	**6.2**	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<0.50	<0.50	<1.0	5
Trichlorofluoromethane		<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<2.5	<2.5	<1.0	5
1,2,4-Trimethylbenzene	NA	<5	<5	0.52	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<2.5	<2.5	<5.0	5
1,3,5-Trimethylbenzene	NA	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<2.5	<2.5	<5.0	5
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<5.0	<5.0	<5.0	5
Vinyl chloride	**77**	<5	**8.6**	<5	<2	<5	<5	0.52	<2	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	2
Total Xylenes	**9**	<5	<5	1.22	<5	<5	<5	<1	<5	<1	<1	<1	<1.0	<1.0	<1.0	<1.0	5

Notes:
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BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date	Concentration																				NYS Ambient Water Quality Standards June 1998
	MW-20S																				
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	2/8/07	6/14/07	10/18/07	6/18/08	9/29/08	2/4/09	6/9/09	
Volatiles by 8260B (ug/L):																					
Benzene	1000	210	250	230	180	240	250	300	300	280	270	290	160	210	240	140	230	240	280	233	10
Bromobenzene		<200	7.6	<50	<35	<40	<50	<50	<100	<50	<50	<10	<10	<1	<10	<5	<10	<100	<200	<250	5
Chlorobenzene	ND	250	180	150	180	230	140	130	140	310	160	180	680	370	380	380	290	350	350	326	5
Chloroform	920	<200	12	4.9	<35	<40	<50	<50	<100	<50	<50	<10	<10	3	<10	<5	<10	<30	<25	<50	7
Chloromethane		<200	<50	<50	<35	<40	<50	<50	<100	<100	<50	<10	<10	<1	<10	<5	<10	<100	<100	<100	5
1,2-Dichlorobenzene	13	430	340	320	300	370	300	290	300	380	310	340	340	290	290	170	260	240	240	219	3
1,3-Dichlorobenzene	ND	<200	76	70	64	84	71	60	<100	93	68	72	79	93	64	34	69	<100	<100	60.9	3
1,4-Dichlorobenzene	2	420	440	420	370	480	440	390	450	560	430	420	470	350	340	280	520	380	420	365	3
1,1-Dichloroethane	810	250	<50	200	94	140	190	230	240	160	170	190	40	120	96	53	77	65	80	<50	5
1,2-Dichloroethane	ND	<200	37	26	<35	<40	<50	<50	<100	<50	<50	21	<10	14	<10	6.4	<10	<20	<25	<100	0.6
1,1-Dichloroethene	ND	<200	9.1	<50	<35	<40	<50	<50	<100	<50	<50	<10	<10	<1	<10	<5	<10	<20	<25	69.9	5
cis-1,2-Dichloroethene	4200	3800	1000	460	130	1600	530	210	180	560	150	79	21	140	32	48	120	<20	46	<50	5
trans-1,2-Dichloroethene		<200	9.7	6.1	<35	<40	<50	<50	<100	<50	<50	<10	<10	7.1	<10	<5	<10	<30	<38	<50	5
Ethylbenzene	570	520	460	470	360	460	500	560	600	560	490	570	490	300	530	280	520	470	510	407	5
Isopropylbenzene	NA	<200	24	24	<35	<40	<50	<50	<100	<50	<50	32	23	28	24	15	21	<20	<20	<250	5
4-Isopropyltoluene	NA	<200	<50	23	<35	<40	<50	<50	<100	<50	<50	28	18	21	31	<5	36	<20	<20	<250	5
MTBE	NA	<200	87	59	54	47	52	54	<100	<50	<50	37	24	52	42	45	30	<40	42	<50	NS
Methylene chloride	150	<200	<50	<50	<35	<40	<50	<50	<100	<50	<50	<10	<10	<1	<10	<25	<50	<200	<200	<100	5
Naphthalene	15	<200	160	170	160	200	130	150	160	210	200	210	170	230	230	71	130	150	150	<250	10
n-Propylbenzene	NA	<200	49	43	35	51	<50	<50	<100	56	<50	53	39	48	38	<5	30	31	31	<250	5
1,1,1,2-Tetrachloroethane		<200	<50	<50	<35	<40	<50	<50	<100	<50	<50	<10	<10	<1	<10	<5	<10	<20	<20	<50	5
1,1,2,2-Tetrachloroethane	ND	<200	<50	<50	<35	<40	<50	<50	<100	<50	<50	<10	<10	<1	<10	<2.5	<5.0	<20	<20	<50	0.2
Tetrachloroethene (PCE)	3400	<200	4.1	<50	<35	<40	<50	<50	<100	<50	<50	<10	<10	7.3	<10	<5	<10	<20	<25	<50	0.7
Toluene	3900	820	980	1200	840	980	1400	1900	2100	1000	1300	1400	860	990	1200	690	1100	1300	1400	1100	5
1,2,3-Trichlorobenzene		<200	39	67	<35	45	<50	<50	<100	<50	<50	64	20	19	11	<5	18	<100	<100	<250	5
1,2,4-Trichlorobenzene	34	<200	170	180	110	200	160	120	180	170	130	200	72	72	32	13	24	<100	300	<250	5
1,1,1-Trichloroethane	1200	<200	<50	20	<35	62	<50	<50	<100	<50	<50	<10	<10	6	<10	<5	<10	<20	<25	<50	5
1,1,2-Trichloroethane		<200	<50	<50	<35	<40	<50	<50	<100	<50	<50	<10	<10	<1	<10	<5	<10	<30	<25	<50	1
Trichloroethene (TCE)	3900	<200	3.7	<50	<35	<40	<50	<50	<100	<50	<5	<10	<10	2.8	<10	<5	<10	<20	<25	<50	5
1,2,4-Trimethylbenzene	NA	360	330	340	290	410	370	340	350	440	380	420	340	280	360	200	330	290	260	<250	5
1,3,5-Trimethylbenzene	NA	<200	150	140	<35	<40	160	130	140	180	150	180	140	150	<10	74	130	110	<100	<250	5
Vinyl chloride	1500	540	320	180	85	210	240	120	130	200	120	47	<10	51	18	<5	60	<40	<50	<50	2
Total Xylenes	3000	2610	2240	2120	1630	2030	2380	2660	3220	2540	2270	2340	2340	1760	2180	1240	1720	2230	2420	1580	5

Notes:
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<x: Analyte concentration not detected at or above specified laboratory quantitation limit.
BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Analyte	Concentration MW-20D 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	2/4/09	6/9/09	NYS Ambient Water Quality Standards June 1998
Volatiles by 8260B (ug/L):																
Benzene	<250	1300	7700	3000	10000	<1500	660	380	600	2800	620	2500	3200	1400	1650	10
Chlorobenzene	<250	<250	<2500	<2000	<5000	<1500	<150	<40	6.4	<50	<40	<400	<500	270	233	5
Chloroform	2000	2400	14000	3500	12000	<1500	650	340	460	1800	400	<400	<750	110	<50	7
1,2-Dichlorobenzene	<250	<250	<2500	<2000	<5000	<1500	300	<40	32	<50	<40	<400	<500	190	158	3
1,3-Dichlorobenzene	<250	<250	<2500	<2000	<5000	<1500	<150	<40	5.8	<50	<40	<400	<2500	<100	<50	3
1,4-Dichlorobenzene	<250	<250	<2500	<2000	<5000	<1500	<150	<40	13	<50	<40	<400	<2500	380	349	3
1,1-Dichloroethane	2000	1200	2800	<2000	<5000	<1500	560	380	580	2800	670	3500	5400	1300	2380	5
1,2-Dichloroethane	9300	6200	8800	4200	<5000	3300	2800	1700	3000	10000	2700	520	<500	320	141	0.6
1,1-Dichloroethene	<250	<250	<2500	<2000	<5000	<1500	<150	<40	<1	180	59	<400	<500	120	171	5
cis-1,2-Dichloroethene	1400	5300	18000	44000	65000	29000	18000	4500	8400	11000	3900	41000	75000	29000	40800	5
trans-1,2-Dichloroethene	<250	<250	<2500	<2000	<5000	<1500	<150	<40	170	<50	<40	<400	950	380	<50	5
1,2-Dichloropropane	<250	<250	<2500	<2000	<5000	<1500	<150	<40	25	100	<40	<400	<1800	<70	<100	1
Ethylbenzene	<250	<250	<2500	<2000	<5000	<1500	480	<40	41	140	<40	460	610	630	601	5
Isopropylbenzene	<250	<250	<2500	<2000	<5000	<1500	<150	<40	5.5	<50	<40	<400	<500	<20	<250	5
Methyl tert-butyl ether (MTBE)	<250	<250	<2500	<2000	<5000	<1500	<150	<40	<1	<50	<40	<400	<1000	42	<50	5
Methylene chloride	1900	1200	<2800	<2000	<5000	<1500	<150	<120	270	1400	<200	<2000	<5000	<200	<100	5
Naphthalene	560	270	2900	<2000	<5000	<1500	770	88	140	800	130	<400	<2500	120	<250	10
n-Propylbenzene	<250	<250	<2500	<2000	<5000	<1500	230	<40	7.4	<50	<40	<400	<500	31	<250	5
1,1,1,2-Tetrachloroethane	<250	<250	<2500	<2000	<5000	<1500	<150	<40	<1	<50	<40	<400	<500	<20	<250	5
1,1,2,2-Tetrachloroethane	<250	<250	<2500	<2000	<5000	<1500	<150	<40	<1	<50	<20	<200	<500	<20	<250	0.2
Tetrachloroethene (PCE)	1400	5100	91000	47000	15000	12000	<750	160	230	1800	76	<400	<2000	<20	<50	0.7
Toluene	<250	690	12000	5200	16000	<1500	<150	<40	28	170	<40	2000	1600	1700	1460	5
1,2,3-Trichlorobenzene	<250	<250	5600	<2000	<5000	<1500	2600	150	99	<50	<40	<400	<2500	<100	<250	5
1,2,4-Trichlorobenzene	<250	260	39000	4200	21000	4500	15000	850	790	220	100	<400	<2500	<100	<250	5
1,1,1-Trichloroethane	<250	670	12000	6400	21000	2700	640	250	320	580	200	<400	<500	940	454	5
1,1,2-Trichloroethane	<250	<250	<2500	<2000	<5000	<1500	<150	<40	<1	<50	<40	<400	<750	<30	<50	1
Trichloroethene (TCE)	6800	7500	98000	33000	12000	7100	820	780	1000	7000	870	<400	<500	30	<50	5
1,2,4-Trimethylbenzene	<250	<250	4400	<2000	<5000	<1500	1800	<40	78	91	<40	<400	<2500	260	<250	5
1,3,5-Trimethylbenzene	<250	<250	<2500	<2000	<5000	<1500	850	<40	33	<50	<40	<400	<2500	110	<250	5
Vinyl chloride	<100	<250	<2500	<2000	<5000	<150	120	130	170	240	390	6900	9700	2500	3900	2
Total Xylenes	<250	570	12700	4600	14000	2100	2750	68	253	600	146	1800	2300	3030	2550	5

Notes:
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BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Analyte	Concentration MW-22S										NYS Ambient Water Quality Standards June 1998
	8/28/95	8/20/03	2/6/04	5/17/04	7/29/04	1/19/05	4/27/05	5/24/06	6/14/07	9/29/08	
Volatiles by 8260B (ug/L):											
Benzene	ND	<5	0.49	0.26	<5	<5	<5	<1	<1	0.92	10
Bromobenzene		<5	<5	<5	<5	<5	<5	<1	<1	<0.5	5
Chlorobenzene	4	<5	2.1	1.3	<5	<5	<5	3	2.5	3.4	5
Chloroform	1	<5	0.64	0.63	<5	<5	<5	<1	<1	<0.75	7
1,1-Dichloroethane	**15**	**9.1**	<5	2.8	**5.7**	**5.3**	<5	2.7	1.6	2	5
1,2-Dichloroethane	**2**	<5	**1**	**0.64**	<5	<5	<5	**1.1**	<1	**1**	0.6
1,1-Dichloroethene	ND	<5	<5	<5	<5	<5	<5	<1	<1	<0.5	5
cis-1,2-Dichloroethene	**32**	**22**	**13**	**10**	**16**	**17**	**12**	**9.8**	**6.3**	**5.1**	5
trans-1,2-Dichloroethene		<5	0.68	<5	<5	<5	<5	<1	<1	<0.75	5
Ethylbenzene	ND	<5	0.35	<5	<5	<5	<5	<1	<1	<0.50	5
Isopropylbenzene	NA	<5	<5	<5	<5	<5	<5	<1	<1	<0.50	5
4-Isopropyltoluene	NA	<5	0.31	<5	<5	<5	<5	<1	<1	<0.50	5
MTBE	NA	<5	<5	2.1	8.4	14	9.9	3.8	2.4	2.6	NS
Methylene chloride	2	<5	<5	<5	<5	<5	<5	<1	<1	<5.0	5
Naphthalene	ND	<5	0.52	<5	<5	<5	<5	<1	<1	<2.5	10
n-Propylbenzene	NA	<5	0.28	<5	<5	<5	<5	<1	<1	<0.50	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	0.2
Tetrachloroethene (PCE)	**7**	**5.8**	<5	2.6	<5	<5	<5	<1	1.5	<0.5	0.7
Toluene	ND	<5	0.4	<5	<5	<5	<5	<1	<1	<0.75	5
1,2,3-Trichlorobenzene		<5	0.35	<5	<5	<5	<5	<1	<1	<2.5	5
1,2,4-Trichlorobenzene	ND	<5	0.43	<5	<5	<5	<5	<1	<1	<2.5	5
1,1,1-Trichloroethane	2	<5	<5	<5	<5	<5	<5	<1	<1	<0.50	5
1,1,2-Trichloroethane		<5	<5	<5	<5	<5	<5	<1	<1	<0.75	1
Trichloroethene (TCE)	**21**	**14**	**5.6**	**5.1**	**7.2**	**5.3**	<5	3	3.8	1	5
Trichlorofluoromethane		<5	<5	<5	<5	<5	<5	<1	<1	<2.5	5
Vinyl chloride	**4**	**13**	**8**	**5.9**	**14**	**14**	**18**	**16**	**16**	**38**	2
Total Xylenes	ND	<5	1.18	<5	<5	<5	<5	<1	<1	<1	5

Notes:
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BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Analyte	Concentration										NYS Ambient Water Quality Standards June 1998
	MW-23R									MW-23S	
	2/6/04	5/17/04	7/29/04	1/19/05	4/27/05	5/24/06	6/14/07	9/29/08	6/9/09	8/25/95	
Volatiles by 8260B (ug/L):											
Benzene	**2.2**	**2.2**[a]	<5	<5	<5	<1	<1	<0.5	<0.5	ND	10
Chloroform	<5	<5	<5	<5	<5	<1	<1	<0.75	<0.75	ND	7
Chloromethane	<5	<5	<5	<5	<5	<1	<1	<2.5	3.5		5
1,1-Dichloroethane	<5	<5	<5	<5	<5	<1	<1	<0.75	<1.0	ND	5
1,2-Dichloroethane	0.52	<5	<5	<5	<5	<1	<1	<0.5	<1.0	ND	0.6
1,1-Dichloroethene	<5	<5	<5	<5	<5	<1	<1	<0.5	<1.0	ND	5
cis-1,2-Dichloroethene	<5	<5	<5	<5	<5	<1	<1	<0.5	<1.0	ND	5
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<1	<1	<0.75	<1.0		5
1,2-Dichloropropane	<5	<5	<5	<5	<5	<1	<1	<1.8[c]	<2.0	ND	1
Ethylbenzene	0.22	<5	<5	<5	<5	<1	<1	<0.5	<1.0	ND	5
MTBE	<5	<5	<5	<5	<5	5.4	4	2.8	3.2	NA	NS
Methylene chloride	<5	<5	<5	<5	<5	<1	<1	<5	<2.0	ND	5
Naphthalene	<5	<5	<5	8.4	<5	<1	<1	<2.5	<5.0	3	10
n-Propylbenzene	<5	<5	<5	<5	<5	<1	<1	<0.5	<5.0	NA	5
1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5	<1	<1	<0.5	<5.0		5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<1	<1	<0.5	<1.0	ND	0.2
Tetrachloroethene (PCE)	0.67	<5	<5	<5	<5	<1	<1	<0.5	<1.0	ND	0.7
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA	NA	<2	NT		5
Toluene	0.36	<5	<5	<5	<5	<1	<1	<0.75	<1.0	ND	5
1,2,3-Trichlorobenzene	<5	<5	<5	<5	<5	<1	<1	<2.5	<5.0		5
1,2,4-Trichlorobenzene	<5	<5	<5	<5	<5	<1	<1	<2.5	<5.0	ND	5
1,1,1-Trichloroethane	<5	<5	<5	<5	<5	<1	<1	<0.5	<1.0	ND	5
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<1	<1	<0.75	<1.0		1
Trichloroethene (TCE)	<5	0.27	<5	<5	<5	<1	<1	<0.5	<1.0	ND	5
Trichlorofluoromethane	<5	<5	<5	<5	<5	<1	<1	<2.5	<1.0		5
1,2,4-Trimethylbenzene	0.29	<5	<5	**19**	<5	<1	<1	<2.5	<5.0	NA	5
1,3,5-Trimethylbenzene	<5	<5	<5	<5	<5	<1	<1	<2.5	<5.0	NA	5
Vinyl acetate	NA	NA	NA	NA	NA	NA	NA	<5	<5.0	NA	5
Vinyl chloride	<5	<5	<2	<5	<5	<0.5	<1	<1	<1	ND	2
Total Xylenes	0.76	<5	<5	<5	<5	<1	<1	<1	<1	ND	5

Notes:
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BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date	Concentration																	NYS Ambient Water Quality Standards June 1998
	MW-24																	
Analyte	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	2/4/09	6/9/09	
Volatiles by 8260B (ug/L):																		
Benzene	**100**	**100**	**85**	76	84	**100**	**110**	95	**110**	77	**92**	**98**	72	**76**	**120**	**60**	**105**	10
sec-Butylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	2.1	1.2	<2.0	<1.2	1.2	<250	5
Chlorobenzene	**130**	**94**	**130**	**120**	**140**	**130**	**120**	**130**	**130**	**130**	**120**	**130**	**73**	**110**	**69**	**83**	**90.7**	5
Chloroethane	<5	<5	<5	<5	<5	<5	<10	<5	<1	<5	<1	<1	<1	<2.0	**5**	3.3	<100	5
1,2-Dichlorobenzene	**7.5**	4.9	**6.1**	**6.7**	**6.4**	**5.4**	**6.2**	**6.4**	**6**	**5.1**	4.7	5	1	4.0	<1.2	<1.2	<50	3
1,3-Dichlorobenzene	**18**	**11**	**16**	**16**	**17**	**14**	**14**	**16**	**16**	**13**	**12**	**11**	2.6	3.4	<6.2	<6.2	<50	3
1,4-Dichlorobenzene	**18**	**13**	**16**	**17**	**16**	**14**	**15**	**17**	**16**	**14**	**12**	**12**	2.4	**7.6**	<6.2	2.5	<50	3
1,1-Dichloroethane	<5	1.9	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<1.9	<1.9	<50	5
1,2-Dichloroethane	**0.88**	0.5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	**3.5**	<1.9	<50	0.6
1,1-Dichloroethene	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<1.2	<1.2	<50	5
cis-1,2-Dichloroethene	**23**	**73**	**130**	<5	<5	<5	<5	<5	<1	**49**	<1	<1	<1	2.4	<1.2	2.1	89.5	5
trans-1,2-Dichloroethene	0.42	<5	<5	<5	<5	<5	<5	<5	<1	**<5**	<1	<1	<1	<2.0	<1.9	<1.9	<50	5
Ethylbenzene	3.2	2.3	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<1.2	<1.2	<50	5
Isopropylbenzene	4.6	3.2	<5	<5	<5	<5	<5	<5	4.3	<5	4.5	4.9	2.9	3.5	2.3	2.3	<250	5
MTBE	12	9.5	8.2	8.8	8.4	9.9	9.3	8.8	8.7	7.2	10	11	10	7.7	6.8	5.4	<50	NS
Naphthalene	**20**	**14**	**19**	**18**	**18**	**21**	**5.9**	**19**	**13**	**15**	**17**	**17**	2.3	2.1	<6.2	<6.2	<250	10
n-Propylbenzene	**8.5**	4.7	**6.6**	<5	**5.8**	**5**	<5	<5	**6**	**7.3**	**8.1**	**9.1**	<1	**5.3**	3.9	4.3	<250	5
1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<1	<2.0	<1.2	<1.2	<250	0.2
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	**<5**	<5	<1	<5	<1	<1	<0.5	<2.0	<1.2	<1.2	<50	0.7
Tetrachloroethene (PCE)	2.6	1.1	**12**	<5	<5	<5	<5	<0.5	<1	<5	<1	<1	<1	<2.0	<1.2	<1.2	<50	5
Toluene	2.2	0.98	<5	<5	<5	<5	<5	<5	1	<5	<1	<1	<1	<2.0	<1.9	<1.9	<50	5
Trichloroethene (TCE)	2.1	1.3	**11**	<5	<5	<5	<5	<0.5	<1	<5	<1	<1	<1	<2.0	<1.2	<1.2	<50	5
1,2,4-Trimethylbenzene	**8.8**	**7.8**	<5	<5	**5.6**	**7.8**	<5	**5.7**	4	<5	**5.1**	3	<1	2.8	<6.2	<6.2	<250	5
1,3,5-Trimethylbenzene	<5	0.32	<5	<5	<5	<5	<5	<5	<1	<5	1.6	1.8	<1	<2.0	<6.2	**<6.2**	<250	5
Vinyl chloride	<5	**11**	**21**	<5	<5	<5	<10	<0.5	<0.5	**20**	<1	<1	<1	<2.0	<2.5	**<2.5**	<50	2
Total Xylenes	**10**	**6.98**	<5	<5	<5	**5.7**	<5	**5.9**	**5.4**	<5	**5.7**	4.6	**2.7**	**5.1**	<2.5	**5.3**	<50	5

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BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date / Analyte	Concentration MW-25																	NYS Ambient Water Quality Standards June 1998
	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	2/4/09	6/9/09	
Volatiles by 8260B (ug/L):																		
Benzene	**3.6**	**8**	**24**	**6.8**	<5	<5	**15**	7.1	7.9	**22**	1.8	1.3	<5	**12**	**28**	3.5	1.2	10
Bromobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<5	<1.0	<2.5	<2.5	<5.0	5
Chloroethane	<5	**53**	**100**	**46**	**68**	**33**	**52**	**180**	<1	**160**	<1	**52**	**22**	**70**	**5.7**	**18**	**5.1**	5
1,4-Dichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<5	<1.0	**5**	<5.0	<1.0	3
1,2-Dichloroethane	**1.3**	**0.49**	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<5	<1.0	**1.2**	<1.0	<1.0	0.6
1,1-Dichloroethene	0.69	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<5	<1.0	<0.50	<0.50	2.4	5
cis-1,2-Dichloroethene	**87**	**14**	**5.3**	<5	<5	**10**	**5.4**	<5	2.3	<5	2.9	4.8	<5	<1.0	0.8	0.62	8.5	5
trans-1,2-Dichloroethene	1.3	0.62	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<5	<1.0	1.4	1	<1.0	5
Ethylbenzene	0.26	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<5	<1.0	<0.50	<0.50	<1.0	5
Isopropylbenzene	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<5	<5.0	<0.50	<0.50	<5.0	5
MTBE	22	33	54	40	38	28	44	45	42	49	8.1	18	23	41	30	29	6.7	NS
Naphthalene	1.6	<5	<5	<5	<5	<5	<5	<5	<1	<5	**1**	<1	44	<5.0	<2.5	<2.5	<5.0	10
n-Propylbenzene	<5	<5	<5	<5	<5	**<5**	<5	<5	**<1**	<5	<1	<1	<5	<1.0	<0.50	<0.50	<5.0	5
1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<5	<1.0	<0.50	<0.50	<5.0	5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<2.5	<0.5	<0.50	<0.50	<1.0	0.2
Tetrachloroethene (PCE)	**21**	3	<5	<5	<5	<5	<5	0.78	<1	<5	<1	2.6	<5	<1.0	0.91	0.91	1.6	0.7
Toluene	0.39	0.33	<5	<5	<5	<5	<5	<5	<1	<5	**<1**	<1	<5	<1.0	<0.75	<0.75	<1.0	5
1,2,3-Trichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<5	<1.0	<2.5	<2.5	<5.0	5
1,2,4-Trichlorobenzene	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<5	<1.0	<2.5	<2.5	<5.0	5
1,1,1-Trichloroethane	<5	0.7	<5	<5	<5	<5	<5	<5	<1	<5	<1	**<1**	<5	<1.0	<0.50	<0.50	<1.0	5
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<5	<1.0	<0.75	<0.75	<1.0	1
Trichloroethene (TCE)	**20**	**3.7**	<5	<5	<5	<5	<5	<0.5	<1	<5	**<1**	2.6	<5	<1.0	0.56	0.56	2.2	5
Trichlorofluoromethane	<5	<5	<5	<5	<5	<5	<10	<5	<1	<5	<1	<1	<5	<1.0	<2.5	<2.5	<1.0	5
1,2,4-Trimethylbenzene	0.34	<5	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<5	<1.0	<2.5	<2.5	<5.0	5
1,3,5-Trimethylbenzene	<5	**<5**	<5	<5	<5	<5	<5	<5	<1	<5	<1	<1	<5	<1.0	<2.5	<2.5	<5.0	5
Vinyl chloride	**52**	**<5**	**2.9**	<5	<5	**12**	<10	4.3	2.6	<2	<1	1	<5	<1.0	<1	<1	3.4	**2**
Total Xylenes	1.04	**<5**	<5	<5	<5	**<5**	<5	<5	<1	<5	<1	<1	<5	<1.0	1.7	<1.0	<1.0	5

Notes:
NS: No standard or guidance value established for compound.
<x: Analyte concentration not detected at or above specified laboratory quantitation limit.
BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date / Analyte	Concentration								NYS Ambient Water Quality Standards June 1998
	MW-26								
	2/5/04	5/17/04	7/29/04	1/19/05	4/27/05	5/24/06	6/14/07	9/29/08	
Volatiles by 8260B (ug/L):									
Benzene	**53**	**32**[a]	**36**	**41**	**11**	**29**	**27**	**18**	10
Chlorobenzene	<10	4.4	<5	<5	<5	**8.6**	**9.8**	2	5
Chloroethane	<10	**34**	**18**	**13**	**5.4**	<1	**9**	**43**	5
1,2-Dichlorobenzene	<10	1.4	<5	<5	<5	2	1.9	<2.5	3
1,3-Dichlorobenzene	0.47	0.92	<5	<5	<5	1.7	1.3	<2.5	3
1,4-Dichlorobenzene	1.2	2.8	<5	<5	<5	**5.4**	4.9	<2.5	3
1,1-Dichloroethane	5	**5.4**	<5	<5	<5	1.1	1.4	<0.75	5
1,2-Dichloroethane	<10	**2.1**	<5	<5	<5	**1.2**	**1**	**0.63**	0.6
1,1-Dichloroethene	<10	<5	<5	<5	<5	<1	<1	<0.50	5
cis-1,2-Dichloroethene	**14**	**8.2**	<5	**13**	<5	1.1	2.6	<0.5	5
trans-1,2-Dichloroethene	0.76	1.3	<5	<5	<5	<1	<1	1.4	5
Ethylbenzene	0.75	<5	<5	<5	<5	<1	<1	<0.50	5
MTBE	260	70	93	95	22	42	33	42	NS
Methylene chloride	<10	<5	<5	<5	<5	<1	<1	<5.0	5
Naphthalene	0.84	<5	<5	<5	<5	<1	<1	<2.5	10
1,1,1,2-Tetrachloroethane	<10	<5	<5	<5	<5	<1	<1	<0.50	5
1,1,2,2-Tetrachloroethane	<10	<5	<5	<5	<5	<1	<1	<0.50	0.2
Tetrachloroethene (PCE)	4.1	0.96	<5	<5	<5	<1	<1	0.91	0.7
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	NA	NA	<2.0	5
Toluene	3.1	0.62	<5	<5	<5	<1	<1	<0.75	5
1,2,3-Trichlorobenzene	<10	<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	<5	<5	<5	<5	<1	<1	<0.50	5
1,1,2-Trichloroethane	<10	<5	<5	<5	<5	<1	<1	<0.75	1
Trichloroethene (TCE)	5	1.3	<5	<5	<5	<1	<1	<0.5	5
Trichlorofluoromethane	<10	<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	<10	NA	NA	NA	NA	NA	NA	<5.0	5
Vinyl chloride	**12**	**16**	**3.2**	**17**	<5	1.5	**3.5**	<1	2
Total Xylenes	4.9	1.1	<5	<5	<5	1	1.2	<1.0	5

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BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date	Concentration																NYS Ambient Water Quality Standards June 1998
	MW-27																
Analyte	2/6/04	5/17/04	7/29/04	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	2/4/09	6/9/09	
Volatiles by 8260B (ug/L):																	
Benzene	190	330	140	140	150	150	120	140	100	190	220	150	150	150	190	142	10
Chlorobenzene	830	860	720	920	1200	1200	1200	1200	1200	1200	1200	1200	1100	1500	1400	1410	5
Chloroethane	35	<100	62	<30	230	<100	<50	32	75	280	140	75	82	79	93	102	5
Chloroform	40	53	<40	<30	<50	<50	<50	<10	<10	<1	<5	<5	<15	<30	<30	<5.0	7
Chloromethane	<50	<100	<40	<30	87	<100	<50	<10	<10	<1	<5	<5	<15	<100	<100	102	5
1,2-Dichlorobenzene	340	530	250	250	280	250	270	250	210	300	440	200	150	180	180	184	3
1,3-Dichlorobenzene	180	240	200	230	240	250	240	240	200	240	280	140	110	120	130	114	3
1,4-Dichlorobenzene	770	900	720	680	790	640	570	480	340	470	700	320	270	280	320	283	3
1,1-Dichloroethane	210	280	73	56	64	<50	<50	43	26	180	240	52	38	44	75[a]	58.2	5
1,2-Dichloroethane	10	22	<40	<30	<50	<50	<50	<10	<10	6.4	8	<5	<15	<20[c]	<20	<5.0	0.6
1,1-Dichloroethene	12	<100	<40	<30	<50	<50	<50	<10	<10	<1	<5	<5	<15	<20	<20[c]	<5.0	5
cis-1,2-Dichloroethene	1200	2500	140	74	99	58	<50	61	36	440	340	100	100	130	130	222	5
trans-1,2-Dichloroethene	6.7	<100	<40	<30	<50	<50	<50	<10	<10	10	<5	<5	<15	<30	<30	<5.0	5
1,2-Dichloropropane	<50	<100	<40	<30	<50	<50	<50	<10	<10	1.2	<5	<5	<15	<70	<70	<10	1
Ethylbenzene	150	480	110	110	130	120	100	110	100	130	180	100	82	110	120	117	5
MTBE	98	88	80	62	75	68	60	58	47	81	61	66	61	54	52	38.8	NS
Methylene chloride	<50	36	<40	<30	<50	<50	<50	<10	<10	<1	<5	<25	<75	<200	<200	<10	5
Naphthalene	76	140	91	63	82	82	82	80	66	110	140	84	29	<100	<100	46.1	10
1,1,1,2-Tetrachloroethane	<50	<100	<40	<30	<50	<50	<50	<10	<10	<1	<5	<5	NA	<20	<20	<25	5
1,1,2,2-Tetrachloroethane	<50	<100	<40	<30	<50	<50	<50	<10	<10	<1	<5	<2.5	<15	<20	<20	<5.0	0.2
Tetrachloroethene (PCE)	580	460	<40	<30	<50	<50	<5	<10	<10	3.2	<5	<5	<15	<20	<20	<5.0	0.7
Toluene	300	390	72	74	90	78	61	65	48	200	210	64	44	56	97	69.3	5
1,2,3-Trichlorobenzene	68	210	58	36	61	<50	55	56	<10	58	48	<5	<15	<100	<100	<25	5
1,2,4-Trichlorobenzene	170	500	140	96	170	89	120	100	53	130	59	65	32	<100	<100	<25	5
1,1,1-Trichloroethane	270	110	<40	<30	<50	<50	<50	<10	<10	20	27	5.2	<15	<20[c]	<20	<5.0	5
1,1,2-Trichloroethane	6.4	<100	<40	<30	<50	<50	<50	<10	<10	<1	<5	<5	<15	<30	<30	<5.0	1
Trichloroethene (TCE)	530	160	<40	<30	<50	<50	<5	<10	<10	1.6	<5	<5	<15	<20	<20	<5.0	5
Trichlorofluoromethane	<50	<100	<40	<30	73	<100	<50	<10	<10	<1	<5	<5	<15	<100	<100	<5.0	5
1,2,4-Trimethylbenzene	180	250	220	200	220	230	210	200	180	210	200	170	150	150	160	150	5
1,3,5-Trimethylbenzene	81	110	<40	77	85	94	85	85	74	96	80	67	36	<100	<100	54.4	5
Vinyl chloride	460	350	120	73	200	<100	68	76	<10	480	860	130	110	160[a]	400	278	2
Total Xylenes	640	920	338	283	374	376	327	380	350	520	620	369	325	331	417	378	5

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BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date / Analyte	Concentration									NYS Ambient Water Quality Standards June 1998
	MW-28S									
	7/14/04	7/29/04	9/16/04	1/19/05	4/27/05	5/24/06	6/14/07	9/29/08	6/9/09	
Volatiles by 8260B (ug/L):										
Benzene	**190**	**170**	**140**	**130**	**120**	**150**	**110**	**74**	**29.3**	10
n-Butylbenzene	**22**	<15	<15	<20	<10	1.7	<2	2.5	<5.0	5
sec-Butylbenzene	<15	<15	<15	<20	<10	1.6	<2	2	<5.0	5
Chlorobenzene	<15	<15	**18**	**39**	**16**	**16**	**10**	**40**	**22.9**	5
Chloroethane	<15	<15	<15	<20	<10	<1	**18**	2.2	<2.0	5
1,2-Dichlorobenzene	**30**	**18**	**23**	**22**	**12**	**6.7**	3	**6.3**	3.8	3
1,3-Dichlorobenzene	**26**	**17**	**23**	**26**	**18**	**15**	**5.5**	**10**	**6.9**	3
1,4-Dichlorobenzene	**280**	**180**	**290**	**210**	**160**	**84**	**21**	**49**	**28.9**	3
1,1-Dichloroethane	<15	<15	<15	<20	<10	<1	<2	<1.5	<1.0	5
1,2-Dichloroethane	<15	<15	<15	<20	<10	<1	<2	**2.1**	<1.0	0.6
1,1-Dichloroethene	<15	<15	<15	<20	<10	<1	<2	<1	<1.0	5
cis-1,2-Dichloroethene	<15	<15	<15	<20	<10	<1	<2	<1	1.3	5
trans-1,2-Dichloroethene	<15	<15	<15	<20	<10	<1	<2	<1.5	<1.0	5
Ethylbenzene	**380**	**220**	**250**	**160**	**91**	**25**	**14**	**52**	**21.1**	5
Isopropylbenzene	**32**	**21**	**15**	<20	<10	3.4	<2	**5.1**	<5.0	5
4-Isopropyltoluene	**94**	**59**	**47**	**63**	**36**	**8.2**	3.8	**8.2**	**10.5**	5
MTBE	<15	<15	<15	<20	<10	5.8	3.1	2	<1.0	NS
Methylene chloride	<15	<15	<15	<20	<10	<1	<2	<10	<2.0	5
Naphthalene	**230**	**84**	**170**	**140**	**61**	8.6	3	<5	<5.0	10
n-Propylbenzene	**66**	**42**	30	**30**	**17**	**5.2**	3.6	**8.2**	**7.5**	5
1,1,1,2-Tetrachloroethane	<15	<15	<15	<20	<10	<1	<2	<1	<5.0	5
1,1,2,2-Tetrachloroethane	<15	<15	<15	<20	<10	<1	<2	<1	<1.0	0.2
Tetrachloroethene (PCE)	<15	<15	<15	<20	<10	<1	<2	<1	<1.0	0.7
Toluene	**25**	**16**	**18**	<20	<10	2.4	**42**	**10**	1.4	5
1,2,3-Trichlorobenzene	<15	<15	<15	<20	<10	<1	<2	<5	<5.0	5
1,2,4-Trichlorobenzene	<15	<15	**19**	<20	<10	4.2	<2	<5	<5.0	5
1,1,1-Trichloroethane	<15	<15	<15	<20	<10	<1	<2	<1	<1.0	5
1,1,2-Trichloroethane	<15	<15	<15	<20	<10	<1	<2	<1.5	<1.0	1
Trichloroethene (TCE)	<15	<15	<15	<20	<10	<1	<2	<1	<1.0	5
1,2,4-Trimethylbenzene	**450**	**320**	**390**	**430**	**210**	**58**	**25**	**64**	**46.3**	5
1,3,5-Trimethylbenzene	<15	**21**	**100**	**87**	**38**	2.5	2.9	<5	<5.0	5
Vinyl chloride	<6	<6	<6	<20	<10	<0.5	<2	<2	<1.0	2
Total Xylenes	**538**	**323**	**599**	**366**	**195**	**17.7**	**12**	**18**	**11.3**	5

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BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date / Analyte	Concentration							NYS Ambient Water Quality Standards June 1998
	MW-28D							
	9/16/04	1/19/05	4/27/05	5/24/06	6/14/07	9/29/08	6/9/09	
Volatiles by 8260B (ug/L):								
Benzene	14	<5	<5	<1	<1	<0.5	5.5	10
Chlorobenzene	<5	<5	<5	<1	<1	<0.5	<1.0	5
Chloroethane	<5	<5	<5	<1	<1	<1	<2.0	5
1,2-Dichlorobenzene	<5	<5	<5	<1	<1	<2.5	<2.0	3
1,3-Dichlorobenzene	<5	<5	<5	<1	<1	<2.5	<1.0	3
1,4-Dichlorobenzene	<5	<5	<5	<1	<1	<2.5	<1.0	3
1,1-Dichloroethane	6.1	<5	<5	<1	<1	<0.75	1.7	5
1,2-Dichloroethane	<5	<5	<5	<1	<1	<0.5	<1.0	0.6
1,1-Dichloroethene	<5	<5	<5	<1	<1	<0.5	<0.5	5
cis-1,2-Dichloroethene	8.3	<5	<5	1.6	1.4	1	3.2	5
trans-1,2-Dichloroethene	<5	<5	<5	<1	<1	<0.75	<1.0	5
Ethylbenzene	<5	<5	<5	<1	<1	<0.5	<1.0	5
MTBE	<5	<5	<5	<1	<1	<1	<1	NS
Naphthalene	<5	<5	<5	<1	<1	<2.5	<5.0	10
1,1,1,2-Tetrachloroethane	<5	<5	<5	<1	<1	<0.5	<5.0	5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<1	<1	<0.5	NT	5
Tetrachloroethene (PCE)	<5	<5	<5	4.3	3.1	<1	3.5	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	<2	NT	5
Toluene	<5	<5	<5	<1	<1	<0.75	<1.0	5
1,2,3-Trichlorobenzene	<5	<5	<5	<1	<1	<2.5	<5.0	5
1,2,4-Trichlorobenzene	<5	<5	<5	<1	<1	<2.5	<5.0	5
1,1,1-Trichloroethane	<5	<5	<5	<1	<1	<0.5	<1.0	5
1,1,2-Trichloroethane	<5	<5	<5	<1	<1	<0.75	<1.0	0.2
Trichloroethene (TCE)	<5	<5	<5	1.4	1.6	0.89	1.8	0.7
Trichlorofluoromethane	<5	<5	<5	<1	<1	<2.5	<1.0	5
1,2,4-Trimethylbenzene	<5	<5	<5	<1	<1	<2.5	<5.0	5
1,3,5-Trimethylbenzene	<5	<5	<5	<1	<1	<2.5	<5.0	5
Vinyl acetate	NA	NA	NA	NA	NA	<5	<5.0	5
Vinyl chloride	<2	<5	<5	<0.5	<1	<1	1.2	2
Total Xylenes	<5	<5	<5	<1	<1	<1	<1.0	5

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BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date / Analyte	Concentration								NYS Ambient Water Quality Standards June 1998
	MW-29S								
	7/14/04	7/29/04	9/16/04	1/19/05	4/27/05	5/24/06	6/14/07	9/29/08	
Volatiles by 8260B (ug/L):									
Benzene	32	28	24	18	17	8.3	6.6	2.9	10
Chloroethane	86	120	100	69	190	<1	79	52	5
1,2-Dichlorobenzene	<5	<5	<5	<5	<5	<1	<1	<2.5	3
1,3-Dichlorobenzene	5.3	<5	<5	<5	<5	<1	<1	<2.5	3
1,4-Dichlorobenzene	8.4	<5	<5	<5	9.6	2.2	<1	<2.5	3
1,1-Dichloroethane	8.6	<5	<5	<5	<5	<1	<1	<0.75	5
1,2-Dichloroethane	<5	<5	<5	<5	<5	<1	<1	<0.5	0.6
1,1-Dichloroethene	<5	<5	<5	<5	<5	<1	<1	<0.5	5
cis-1,2-Dichloroethene	130	81	36	<5	18	<1	<1	0.68	5
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<1	<1	<0.75	5
Ethylbenzene	11	<5	<5	<5	<5	<1	<1	<0.5	5
Isopropylbenzene	6.3	<5	<5	<5	<5	<1	<1	<0.5	5
4-Isopropyltoluene	12	7.5	<5	<5	<5	1.7	<1	<0.5	5
MTBE	7	8.3	7.6	7.4	8.3	6.5	10	5.4	NS
Naphthalene	<5	<5	<5	<5	<5	<1	<1	<2.5	10
n-Propylbenzene	14	5.9	<5	<5	5.8	1.3	<1	<0.5	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	5
Tetrachloroethene (PCE)	12	25	12	<5	<5	<1	<1	<0.5	5
Toluene	7.4	<5	<5	<5	<5	<1	<1	<0.75	5
1,2,3-Trichlorobenzene	<5	<5	<5	<5	<5	<1	<1	<2.5	5
1,2,4-Trichlorobenzene	22	10	9.5	<5	5.9	<1	<1	<2.5	5
1,1,1-Trichloroethane	<5	<5	<5	<5	<5	<1	<1	<0.5	5
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<1	<1	<0.75	0.2
Trichloroethene (TCE)	8.2	13	<5	<5	<5	<1	<1	<0.5	0.7
Trichlorofluoromethane	<5	<5	<5	<5	<5	<1	<1	<2.5	5
1,2,4-Trimethylbenzene	86	37	26	6	36	7.8	<1	<2.5	5
1,3,5-Trimethylbenzene	6.3	<5	13	<5	16	2.6	<1	<2.5	5
Vinyl chloride	140	74	35	<5	40	0.78	<1	<1	2
Total Xylenes	37	6.4	<5	<5	15.4	<1	<1	<1	5

Notes:
NS: No standard or guidance value established for compound.
<x: Analyte concentration not detected at or above specified laboratory quantitation limit.
BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date / Analyte	Concentration						NYS Ambient Water Quality Standards June 1998
	MW-29D						
	9/16/04	1/19/05	4/27/05	5/24/06	6/14/07	9/29/08	
Volatiles by 8260B (ug/L):							
Benzene	<5	<5	<5	**2.3**	**2.4**	<0.50	10
Chloroethane	<5	<5	<5	<1	<1	<1.0	5
Chloromethane	<5	<5	<5	<1	<1	<2.5	NS
1,1-Dichloroethane	**9.5**	<5	<5	4.1	**5.6**	3.4	5
1,2-Dichloroethane	<5	<5	<5	<1	<1	<0.50	0.6
1,1-Dichloroethene	<5	<5	<5	<1	<1	<0.50	5
cis-1,2-Dichloroethene	**150**	**55**	**54**	**11**	**21**	**11**	5
trans-1,2-Dichloroethene	<5	<5	<5	<1	<1	<3.0	5
Ethylbenzene	<5	<5	<5	<1	<1	<0.50	5
Isopropylbenzene	<5	<5	<5	<1	<1	<0.50	5
4-Isopropyltoluene	<5	<5	<5	<1	<1	<0.50	5
MTBE	<5	<5	<5	<1	<1	<4.0	NS
Naphthalene	<5	<5	<5	<1	<1	<2.5	10
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**	<5	<5	<1	<1	<2.0	5
1,2,4,5-Tetramethylbenzene	NA	NA	NA	NA	NA	<2.0	5
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**	<5	<5	<1	<1	<2.5	5
1,1,1-Trichloroethane	<5	<5	<5	<1	<1	<0.50	5
1,1,2-Trichloroethane	<5	<5	<5	<1	<1	<0.75	0.2
Trichloroethene (TCE)	**11**	<5	<5	1.4	1.8	<2.0	0.7
Trichlorofluoromethane	<5	<5	<5	<1	<1	<2.5	5
1,2,4-Trimethylbenzene	**13**	<5	<5	<1	<1	<2.5	5
1,3,5-Trimethylbenzene	**5.8**	<5	<5	<1	<1	<2.5	5
Vinyl acetate	NA	NA	NA	NA	NA	<5.0	5
Vinyl chloride	**68**	**36**	**94**	**35**	**100**	**120**	2
Total Xylenes	<5	<5	<5	<1	<1	<1.0	5

Notes:
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<x: Analyte concentration not detected at or above specified laboratory quantitation limit.
BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date / Analyte	Concentration					NYS Ambient Water Quality Standards June 1998
	MW-30					
	9/16/04	1/19/05	4/27/05	5/24/06	9/29/08	
Volatiles by 8260B (ug/L):						
Benzene	**16**	**5.4**	<50	**2**	<0.5	10
Chlorobenzene	**12**	<5	<50	1.8	<0.5	5
1,2-Dichlorobenzene	<5	<5	<50	<1	<2.5	3
1,3-Dichlorobenzene	<5	<5	<50	<1	<2.5	3
1,4-Dichlorobenzene	**7.7**	<5	<50	1.4	<2.5	3
1,1-Dichloroethane	**13**	<5	<50	**8.2**	1.6	5
1,2-Dichloroethane	<5	<5	<50	<1	<0.5	0.6
1,1-Dichloroethene	<5	<5	<50	<1	<0.5	5
cis-1,2-Dichloroethene	**9.4**	**6.6**	**1100**	**56**	**22**	5
trans-1,2-Dichloroethene	<5	<5	<50	2	<0.75	5
Ethylbenzene	<5	<5	<50	<1	<0.5	5
Isopropylbenzene	<5	<5	<50	<1	<0.5	5
MTBE	21	7.9	69	28	<1	NS
Naphthalene	<5	<5	<50	5.9	<2.5	10
n-Propylbenzene	<5	<5	<50	<1	<0.5	5
1,1,1,2-Tetrachloroethane	<5	<5	<50	<1	<0.5	5
1,1,2,2-Tetrachloroethane	<5	<5	<50	<1	<0.5	0.2
Tetrachloroethene (PCE)	**5.2**	<5	**160**	**17**	4.8	0.7
Toluene	<5	<5	<50	<1	<0.75	5
1,1,1-Trichloroethane	<5	<5	<50	<1	<0.5	5
1,1,2-Trichloroethane	<5	<5	<50	<1	<0.75	1
Trichloroethene (TCE)	**6.8**	<5	**100**	**10**	**5.7**	5
1,2,4-Trimethylbenzene	<5	<5	<50	<5	<2.5	5
1,3,5-Trimethylbenzene	<5	<5	<50	1.9	<2.5	5
Vinyl chloride	**42**	<5	**130**	**8.5**	<1	2
Total Xylenes	<5	<5	<50	<1	<1	5

Notes:
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BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date / Analyte	Concentration															NYS Ambient Water Quality Standards June 1998
	MW-31															
	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	2/4/09	6/9/09	
Volatiles by 8260B (ug/L):																
Benzene	<20000	<15000	<15000	<10000	<10000	<12000	**10000**	<3000	**13000**[a]	**13000**	**11000**[a]	**11000**	**8000**	**11000**	**8960**	10
Bromobenzene	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	**57**	<1500	<1500	<4000	<10000	<10000	**46**	5
Chlorobenzene	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	**57**	<1500	<1500	<4000	<2000	<2000	**60.7**	5
Chloroform	<20000	<15000	<15000	<10000	<10000	<12000	**9900**	**7800**	<1	**13000**	**10000**	**9400**	**5000**	**8500**	**6320**	7
1,1-Dichloroethane	<20000	<15000	<15000	<10000	<10000	<12000	**3600**	**3200**	<1	**5200**	**4900**	**4800**	**3200**	<5000	**3790**	5
1,2-Dichloroethane	<20000	<15000	<15000	<10000	<10000	<12000	**5100**	<3000	**6700**	**7800**	**5200**	**5600**	**3900**	<5000	**3670**	0.6
1,1-Dichloroethene	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	**2000**	<1500	<1500	<4000	<2000	<2000	**1440**	5
cis-1,2-Dichloroethene	**430000**	**330000**	**300000**	**240000**	**170000**	**270000**	**270000**	**260000**	**380000**	**330000**	**350000**	**310000**	**250000**	**350000**	**319000**	5
trans-1,2-Dichloroethene	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	**4700**	<1500	<1500	<4000	<3000	<3000	272	5
1,2-Dichloropropane	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	**110**	<1500	<1500	<4000	<7000	<7000	<2.0	1
Ethylbenzene	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	**740**	<1500	<1500	<4000	<2000	<2000	**505**	5
Isopropylbenzene	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	**20**	<1500	<1500	<4000	<2000	<2000	**13.3**	5
4-Isopropyltoluene	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	**13**	<1500	<1500	<4000	<2000	<2000	**8.2**	5
MTBE	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	<1	<1500	<1500	<4000	<4000	<4000	<500	NS
Methylene chloride	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	**4500**	**6600**	<7500	<20000	<20000	<20000	**2280**	5
Naphthalene	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	**150**	<1500	<1500	<4000	<10000	<10000	**62.2**	10
1,1,1,2-Tetrachloroethane	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	<1	<1500	<1500	<4000	<2000	<2000	<5.0	5
1,1,2,2-Tetrachloroethane	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	**25**	<1500	<750	<4000	<2000	<2000	<1.0	0.2
Tetrachloroethene (PCE)	<20000	<15000	<15000	<10000	**10000**	**12000**	**14000**	**20000**	**20000**	**15000**[a]	**21000**	**20000**	**3000**	<5000	**2450**	0.7
Toluene	<20000	<15000	<15000	<10000	<10000	<12000	**4000**	**6400**	**6200**	**5100**	**6200**	**5900**	**3700**	<7500	**4250**	5
1,2,3-Trichlorobenzene	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	**6.2**	<1500	<1500	<4000	<10000	<10000	<5.0	5
1,2,4-Trichlorobenzene	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	**45**	<1500	<1500	<4000	<10000	<10000	**22.2**	5
1,1,1-Trichloroethane	<20000	<15000	<15000	<10000	<10000	<12000	**4700**	**3500**	<1	**4800**	**3900**	**5100**	<2000	<2000	**2580**	5
1,1,2-Trichloroethane	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	**200**	<1500	<1500	<4000	<3000	<3000	**123**	1
Trichloroethene (TCE)	**100000**	**48000**	**44000**	**34000**	**29000**	**39000**	<3000	<3000	**57000**	**66000**	**34000**	**33000**	**7400**	**12000**	**6910**	5
Trichlorofluoromethane	<20000	<15000	<15000	<10000	<20000	<12000	<3000	<3000	<1	<1500	<1500	<4000	<10000	<10000	**120**	5
1,2,4-Trimethylbenzene	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	**190**	<1500	<1500	<4000	<10000	<10000	**171**	5
1,3,5-Trimethylbenzene	<20000	<15000	<15000	<10000	<10000	<12000	<3000	<3000	**83**	<1500	<1500	<4000	<10000	<10000	**63.2**	5
Vinyl chloride	**22000**	**16000**	<15000	<10000	<20000	**12000**	**10000**	**12000**	**18000**	**14000**	**23000**	**21000**	**25000**	**21000**	**19600**	2
Total Xylenes	<20000	<15000	<15000	<10000	<10000	<12000	<3000	**4600**	**3590**	<1500	**3500**	<4000	<4000	<20000	**2290**	5

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BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date / Analyte	Concentration						NYS Ambient Water Quality Standards June 1998
	MW-32						
	9/16/04	1/19/05	4/27/05	5/24/06	9/29/08	6/9/09	
Volatiles by 8260B (ug/L):							
Benzene	**150**	**140**	**300**	71	**84**	**67.6**	10
Chlorobenzene	**250**	**200**	**360**	**100**	**87**	**85.2**	5
Chloroethane	<10	<10	<10	<3	1.4	<2.0	5
Dibromomethane	<10	<10	<10	<3	**7.4**	<2.0	5
1,2-Dichlorobenzene	**35**	**31**	**56**	**16**	<0.5	4.9	3
1,3-Dichlorobenzene	**33**	**36**	**56**	**25**	**11**	**7.2**	3
1,4-Dichlorobenzene	**82**	**80**	**150**	**44**	**14**	**11.3**	3
1,1-Dichloroethane	<10	**16**	**52**	<3	2.4	2.7	5
1,2-Dichloroethane	<10	<10	<10	<3	**2.8**	<1.0	0.6
1,1-Dichloroethene	<10	<10	<10	<3	<0.5	<1.0	5
cis-1,2-Dichloroethene	<10	**56**	**200**	<3	2.2	3.3	5
trans-1,2-Dichloroethene	<10	<10	<10	<3	<0.75	<1.0	5
Ethylbenzene	**54**	**28**	**71**	<3	2.4	1.7	5
Isopropylbenzene	<10	<10	<10	3.8	2.8	<5.0	5
MTBE	14	15	18	9.2	8.5	10.1	NS
Naphthalene	**15**	<10	**19**	7.6	<2.5	<5.0	10
n-Propylbenzene	**12**	<10	**13**[a]	<3	3.7	<5.0	5
1,2,3-Trichloropropane	<10	<10	<10	<3	<5	<5.0	5
1,1,1,2-Tetrachloroethane	<10	<10	<10	<3	<0.5	<5.0	5
1,1,2,2-Tetrachloroethane	<10	<10	<10	<3	<0.5	<1.0	0.2
Tetrachloroethene (PCE)	<10	<10	<10	<3	<0.5	<1.0	0.7
Toluene	**12**	**12**	**34**	<3	1.5	1.1	5
1,2,3-Trichlorobenzene	<10	<10	<10	<3	<2.5	<5.0	5
1,2,4-Trichlorobenzene	<10	<10	**11**	<3	<2.5	<5.0	5
1,1,1-Trichloroethane	<10	<10	<10	<3	<0.5	<1.0	5
1,1,2-Trichloroethane	<10	<10	<10	<3	<0.75	<1.0	1
Trichloroethene (TCE)	<10	<10	<10	<3	<0.5	<1.0	5
Trichlorofluoromethane	<10	<10	<10	<3	<2.5	<1.0	5
1,2,4-Trimethylbenzene	**64**	**35**	**73**	**10**	**6.2**	<5.0	5
1,3,5-Trimethylbenzene	<10	<10	**15**	<3	<2.5	<5.0	5
Vinyl chloride	<4	**50**	**150**	<1.5	**5.5**	**2.5**	2
Total Xylenes	**40**	**53**	**197**	**5.1**	<6.4	4.6	5

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BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date / Analyte	Concentration MW-33															NYS Ambient Water Quality Standards June 1998
	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	2/4/09	6/9/09	
Volatiles by 8260B (ug/L):																
Benzene	<50	<25	<25	<15	<15	<10	**1.1**	<5	**1.5**	<1	<4	**5.5**	<5	<5	1	10
Chloroethane	<50	<25	<25	<15	<30	<10	**21**	<5	<1	<1	<4	**19**	**18**	<5.0	4.6	5
1,1-Dichloroethane	**50**	**34**	**40**	**32**	**20**	**17**	**11**	**13**	19	**10**	**15**	**12**	**5.1**	**9.3**	**9.1**	5
1,2-Dichloroethane	<50	<25	<25	<15	<15	<10	<1	<5	<1	<1	<4	<5.0	<5.0	<5.0	<1.0	0.6
1,1-Dichloroethene	<50	<25	<25	<15	<15	<10	<1	<5	1.6	<1	<4	<5.0	<5.0	<5.0	<1.0	5
cis-1,2-Dichloroethene	**1400**	**590**	**630**	**470**	**440**	**220**	**180**	**160**	**830**	44	**230**	**480**	**210**	**200**	**129**	5
trans-1,2-Dichloroethene	<50	<25	<25	<15	<15	<10	2.4	<5	**14**	1.5	<4	<5.0	1.4	<3.8	2.1	5
Ethylbenzene	<50	<25	<25	<15	<15	<10	<1	<5	<1	<1	<4	**5.9**	<5.0	<5.0	<1.0	5
Isopropylbenzene	<50	<25	<25	<15	<15	<10	<1	<5	1	<1	<4	**6.4**	<5.0	<5.0	<5.0	5
4-Isopropyltoluene	<50	<25	<25	<15	<15	<10	<1	<5	<1	<1	<4	**6.5**	<5.0	<5.0	<5.0	5
MTBE	<50	<25	<25	<15	<15	<10	8.1	**16**	7.9	7.2	<4	29	**24**	9.8	13.1	NS
Naphthalene	<50	<25	<25	<15	<15	<10	<1	<5	<1	<1	<4	<5.0	<25	<25	<5.0	10
n-Propylbenzene	<50	<25	<25	<15	<15	<10	1.1	<5	<1	<1	<4	**5.1**	<5.0	<5.0	<5.0	5
1,1,1,2-Tetrachloroethane	<50	<25	<25	<15	<15	<10	<1	<5	<1	<1	<4	<5.0	<5.0	<5.0	<5.0	5
1,1,2,2-Tetrachloroethane	<50	<25	<25	<15	<15	<10	<1	<5	<1	<1	<2	<2.5	<5.0	<5.0	<1.0	5
Tetrachloroethene (PCE)	**150**	<25	<25	<15	<15	**5.4**	**30**	<5		1.9	**14**	<5.0	0.91	7.4	33.9	5
Toluene	<50	<25	<25	<15	<15	<10	<1	<5	<1	<1	<4	<5.0	<7.5	<7.5	<1.0	5
1,2,3-Trichlorobenzene	<50	<25	<25	<15	<15	<10	<1	<5	<1	<1	<4	<5.0	<25	<25	<5.0	5
1,2,4-Trichlorobenzene	<50	<25	<25	<15	<15	<10	3.5	<5	1.3	3.5	<4	<5.0	<25	<25	<5.0	5
1,1,1-Trichloroethane	<50	<25	<25	<15	<15	<10	1.9	<5	<1	<1	<4	<5.0	<5.0	<5.0	<1.0	5
1,1,2-Trichloroethane	<50	<25	<25	<15	<15	<10	<1	<5	<1	<1	<4	<5.0	<7.5	<7.5	<1.0	0.2
Trichloroethene (TCE)	<50	<25	<25	<15	<15	2.9	**33**	<5	**6.3**	1.9	**10**	<5.0	<5.0	12	31.6	0.7
1,2,4-Trimethylbenzene	<50	<25	<25	<15	<15	<10	1.3	<5	2.6	<1	<4	**27**	<25	<25	<5.0	5
1,3,5-Trimethylbenzene	<50	<25	<25	<15	<15	<10	<1	<5	1.4	<1	<4	<5.0	<25	<25	<5.0	5
Vinyl chloride	**860**	**520**	**570**	**410**	**250**	**180**	**120**	**310**	**590**	**120**	**430**	**180**	**140**	**130**	**87.3**	2
Total Xylenes	<50	<25	<25	<15	<15	<10	1.5	<5	3.8	<1	<4	<5.0	<10[c]	<10[c]	<1.0	5

Notes:
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BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date	Concentration																										NYS Ambient Water Quality Standards June 1998
Analyte	MW-34															MW-35						MW-36						
	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	10/18/07	9/29/08	2/4/09	6/9/09	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):																											
Benzene	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	**3.8**	<250	<250	<200	<200	<200	2.7	**75**	**120**	**150**	**150**	**110**	**100**	**95**	**35**	**25**	**360**	**310**	**200**	10
Chlorobenzene	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	2	<250	<250	<200	<200	<200	1.4	**3100**	**4100**	**4400**	**4600**	**3300**	**4200**	**260**	**370**	**150**	**500**	**400**	**240**	5
Chloroethane	<3000	<5000	<5000	<2500	<3000	<2000	<400	<400	<1	<250	<250	<200	<400	<400	<2.0	**36**	**70**	<25	**64**	<40	<100	<5	<1	<2	<4	<5.0	**5**	5
1,2-Dibromoethane (EDB)	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	<1	<250	<250	<100[c]	<800	<800	NT	<5	<1	<25	<10	<20	<200	<5	<1	<2	<2	<2.5	**10**	5
1,2-Dichlorobenzene	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	**5.5**	<250	<250	<200	<1000	<1000	4	**110**	**140**	**140**	**160**	**74**	<250	**22**	**16**	**7.1**	**25**	**17**	<12	3
1,3-Dichlorobenzene	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	<1	<250	<250	<200	<1000	<1000	<1.0	**170**	**200**	**170**	**140**	<40	<250	**59**	**44**	**20**	**30**	**28**	<12	3
1,4-Dichlorobenzene	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	2	<250	<250	<200	<1000	<1000	<1.0	**150**	**180**	**87**	**200**	**51**	<250	66	**50**	**21**	39	**30**	14	3
1,1-Dichloroethane	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	**96**	<250	**290**	<200	<300	<300	**139**	**11**	14	47	84	<40	<75	<5	1.6	**6.8**	<4	<5.0	<3.8	5
1,2-Dichloroethane	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	**2.3**	<250	<250	<200	<200	<200	<1.0	<5	**1.3**	<25	<20	<40	<50	<5	<1	<2	<4	<5.0	**5.8**	0.6
1,1-Dichloroethene	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	**50**	<250	<250	<200	<200	<200	**46.7**	<5	<1	<25	<20	<40	<50	<5	<1	<2	<4	<5.0	<2.5	5
cis-1,2-Dichloroethene	**6000**	**9300**	**10000**	**7800**	**10000**	**8600**	**6600**	**5300**	**6200**	**9200**	**12000**	**8100**	**8300**	**12000**	**8380**	**190**	**60**	**380**	**1600**	<40	<50	**53**	**22**	**75**	<4	**5.1**	**25**	5
trans-1,2-Dichloroethene	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	**190**	<250	<250	<200	<300	<300	38.3	<5	2.2	<25	<20	<40	<75	<5	<1	<2	<4	<5.0	<3.8	5
Ethylbenzene	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	**10**	<250	<250	<200	<200	<200	**7.9**	**48**	**66**	**130**	**150**	79	**98**	34	**28**	**11**	**29**	**33**	**6.7**	5
Isopropylbenzene	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	2.3	<250	<250	<200	<200	<200	<5.0	**10**	15	<25	<20	<40	<50	**12**	**6**	2.7	**9.9**	**8**	**5.2**	5
4-Isopropyltoluene	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	1.6	<250	<250	<200	<200	<200	<5.0	**12**	18	<25	<20	<40	<50	**13**	3.9	**5.5**	<4	**13**	<2.5	5
Methyl tert-butyl ether (MTBE)	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	9.9	<250	<250	<200	<400	<400	7.9	38	55	57	41	45	<100	8.4	6	4.2	20	20	13	NS
Naphthalene	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	3.4	<250	<250	<200	<1000	<1000	<5.0	**55**	**85**	70	<20	<40	<250	**33**	**13**	6.2	**34**	<5.0	<12	10
n-Propylbenzene	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	1.6	<250	<250	<200	<200	<200	<5.0	19	**28**	**36**	<20	<40	<50	**28**	**13**	**5.1**	**12**	**12**	**6.5**	5
1,1,1,2-Tetrachloroethane	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	<1	<250	<250	<200	<200	<200	<5.0	<5	<1	<25	<20	<40	<50	<5	<1	<2	<4	<5.0	<2.5	5
Tetrachloroethene (PCE)	**72000**	**96000**	**130000**	**79000**	**37000**	**50000**	**25000**	**25000**	**36000**	**36000**	**74000**	**21000**	**20,000**	**35,500**	**8,350**	**13**	**12**	<25	**30**	<40	<50	<5	**18**	**8.8**	<4	<5.0	4.7	0.7
Toluene	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	**19**	<250	<250	<200	<300	<300	15.4	**38**	**83**	**43**	**88**	<40	<75	**8.3**	**21**	**21**	**21**	**14**	<3.8	5
1,2,4-Trichlorobenzene	<3000	<5000	<5000	<2500	<1500	<2000	**1500**	<400	4.6	<250	<250	<200	<1000	<1000	<5.0	**7.2**	**6.6**	<25	<20	<40	<250	**5.4**	2.2	2.3	<4	<5.0	<12	5
1,1,1-Trichloroethane	<3000	<5000	<5000	<2500	<1500	<2000	<400	**500**	**470**	**920**	**1600**	<200	**260**	**540**	**393**	<5	<1	<25	**20**	<40	<50	<5	<1	<2	<4	<5.0	<2.5	5
1,1,2-Trichloroethane	**5**	<5000	<5000	<2500	<1500	<2000	<400	<400	<1	<250	<250	<200	<300	<300	**1.7**	<5	<1	<25	<20	<40	<75	<5	<1	<2	<4	<5.0	<3.8	1
Trichloroethene (TCE)	**3800**	**7100**	**8100**	**4900**	**4500**	**5200**	**3300**	**2700**	**3300**	**5600**	**7600**	**3500**	**3800**	**5,500**	**3,590**	**10**	3	<25	<20	<40	<50	<5	**9**	**10**	<4	<5.0	**6.9**	5
1,2,4-Trimethylbenzene	<3000	<5000	<5000	<2500	<1500	<2000	<2000	<400	7.1	<250	<250	<200	<1000	<1000	<5.0	**160**	**210**	**240**	**230**	**110**	<250	**180**	**110**	44	**51**	**99**	**26**	5
1,3,5-Trimethylbenzene	<3000	<5000	<5000	<2500	<1500	<2000	<400	<400	**6.6**	<250	<250	<200	<1000	<1000	<5.0	**63**	**93**	**100**	**110**	<40	<250	**37**	**18**	**7.2**	**12**	<5.0	<12	5
Vinyl chloride	<3000	<5000	<5000	<2500	<3000	**1800**	**1200**	**1500**	**1100**	**2200**	**2600**	**2400**	**2600**	**2,900**	**1,650**	**33**	**43**	**240**	**580**	<40	<100	**11**	<1	**8.1**	<4	<5.0	**5**	2
Total Xylenes	<3000	<5000	<5000	<2500	<3000	<2000	<400	<400	**57**	<250	<250	<200	<400	<400	**48.1**	**300**	**550**	450	**500**	**140**	**210**	**110**	96	**37**	**131**	**106**	**17**	5

Notes:
NS: No standard or guidance value established for compound.
<x: Analyte concentration not detected at or above specified laboratory quantitation limit.
BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date	Concentration																					NYS Ambient Water Quality Standards June 1998
	PZ-1										APMW-1					APMW-2					EX Area	
Analyte	8/20/03	2/9/04	5/17/04	7/29/04	1/19/05	4/27/05	5/24/06	6/14/07	9/29/08	6/9/09	4/27/05	5/24/06	6/14/07	9/29/08	6/9/09	4/27/05	5/24/06	6/14/07	9/29/08	6/9/09	7/29/04	
Volatiles by 8260B (ug/L):																						
Benzene	<5	**2.1**	0.63	<5	<5	<5	**2**	<1	**1.3**	<5.0	<5	<1	<1	<0.50	<5.0	<5	<1	<1	<0.50	<5.0	**220**	10
Chlorobenzene	<5	1.2	<5	<5	<5	<5	<1	<1	<0.50	<1.0	<5	<1	<1	<0.50	<1.0	<5	<1	<1	<0.50	<1.0	**56**	5
Chloroethane	<5	<5	<5	<5	<5	<5	<1	<1	<1.0	<2.0	<5	<1	1	<1.0	<2.0	<5	<1	<1	1.0	15.7	**46**	5
1,4-Dichlorobenzene	<5	2.1	<5	<5	<5	<5	<1	<1	<2.5	<1.0	<5	<1	<1	<2.5	<1.0	<5	<1	<1	<2.5	<1.0	**38**	3
1,1-Dichloroethane	<5	<5	<5	<5	<5	<5	<1	<1	<5.0	<1.0	<5	<1	<1	<5.0	<1.0	<5	1.4	1.4	1.1	<1.0	**92**	5
1,2-Dichloroethane	<5	<5	<5	<5	<5	<5	<1[c]	<1[c]	<0.50	<1.0	<5	<1	<1	<0.50	<1.0	<5	<1	<1	<0.50	<1.0	<35	0.6
1,1-Dichloroethene	<5	<5	<5	<5	<5	<5	<1	<1	<0.50	<1.0	<5	<1	<1	<0.50	<1.0	<5	<1	<1	<0.50	<1.0	<35	5
cis-1,2-Dichloroethene	<5	1.4	<5	<5	<5	<5	<1	<1	<5.0	<1.0	<5	2.5	1.9	3.5	1.6	**6.3**	**7.5**	**8.4**	3.4	1.6	**760**	5
trans-1,2-Dichloroethene	<5	<5	<5	<5	<5	<5	<1	<1	1.4	<1.0	<5	<1	<1	<0.75	<1.0	<5	<1	<1	<0.75	<1.0	<35	5
Ethylbenzene	**22**	**5.7**	0.84	<5	<5	<5	1.5	<1	3.2	<1.0	<5	<1	<1	<0.50	<1.0	<5	<1	<1	<0.50	<1.0	<35	5
Isopropylbenzene	**8.5**	**7.8**	2	**5**	**9.2**	**5.5**	**6**	1.3	3.2	<5.0	**5.5**	<1	<1	<0.50	<5.0	<5	<1	<1	<0.50	<5.0	<35	5
MTBE	<5	<5	<5	<5	<5	<5	<1	<1	<1.0	<1.0	<5	<1	<1	<1.0	<1.0	<5	<1	<1	<1.0	<1.0	99	NS
Methylene chloride	<10	<5	<5	<5	<5	<5	<1	<1	<5.0	<2.0	<5	<1	<1	<5.0	<2.0	<5	<1	<1	<5.0	<2.0	<35	5
Naphthalene	<5	0.9	<5	<5	<5	<5	<1	<1	<2.5	<5.0	<5	<1	<1	<2.5	<5.0	<5	<1	<1	<2.5	<5.0	**37**	10
1,1,1,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<1	<1	<0.50	<5.0	<5	<1	<1	<0.50	<5.0	<5	<1	<1	<0.50	<5.0	<35	5
1,1,2,2-Tetrachloroethane	<5	<5	<5	<5	<5	<5	<1	<1	<0.50	<1.0	<5	<1	<1	<0.50	<1.0	<5	<1	<1	<0.50	<1.0	<35	5
Tetrachloroethene (PCE)	<5	1.3	0.74	<5	<5	<5	<1	<1	0.73	1.3	<5	3.6	1.9	4.5	3	**22**	**25**	**15**	3.8	3.9	**730**	5
Toluene	<5	1.3	0.26	<5	<5	<5	<1	<1	<0.75	<1.0	<5	<1	<1	<0.75	<1.0	<5	<1	<1	<0.75	<1.0	**140**	5
1,1,1-Trichloroethane	<5	0.29	<5	<5	<5	<5	<1	<1	<0.50	<1.0	<5	<1	<1	<0.50	<1.0	<5	<1	<1	<0.50	<1.0	**<35**	5
1,1,2-Trichloroethane	<5	<5	<5	<5	<5	<5	<1	<1	<0.75	<1.0	<5	<1	<1	<0.75	<1.0	<5	<1	<1	<0.75	<1.0	<35	0.2
Trichloroethene (TCE)	<5	0.68	0.41	<5	<5	<5	<1	<1	**10**	<1.0	<5	3.8	2.4	**5.8**	2.5	**8.8**	**14**	**10**	2.9	<1.0	**150**	0.7
Trichlorofluoromethane	<5	<5	<5	<5	<5	<5	<1	<1	<2.5	<1.0	<5	<1	<1	<2.5	<1.0	<5	<1	<1	<2.5	<1.0	<35	5
1,2,4-Trimethylbenzene	<5	<5	<5	<5	<5	<5	<1	<1	<2.5	<5.0	<5	<1	<1	<2.5	<5.0	<5	<1	<1	<2.5	<5.0	<35	5
1,3,5-Trimethylbenzene	<5	<5	<5	**5**	**11**	**19**	**7.3**	3.3	<2.5	<5.0	**19**	<1	<1	<2.5	<5.0	<5	<1	<1	<2.5	<5.0	<35	5
Vinyl chloride	<5	<5	<2	<2	<5[c]	<5[c]	<0.5	<1	<1.0	<1.0	<5	<0.5	<1	**2**	<1.0	<5	<1	<1	**4**	<1.0	**420**	2
Total Xylenes	<5	2.76	<5	<5	<5	<5	<1	<1	<1.0	<1.0	<5	<1	<1	<1.0	<1.0	<5	<1	<1	<1.0	<1.0	**82**	5

Notes:
NS: No standard or guidance value established for compound.
<x: Analyte concentration not detected at or above specified laboratory quantitation limit.
BOLD concentration exceed NYD DEC TOGS 1.1.1.

Table 2
Summary of Groundwater Analytical Data
42-14 19th Avenue, Astoria, NY

Sample / Date / Analyte	Concentration		NYS Ambient Water Quality Standards June 1998
	Stormwater Upgradient	Stormwater Discharge	
	6/9/09	6/9/09	
Volatiles by 8260B (ug/L):			
Acetone	<5.0	11.3	NE
Benzene	<5.0	<5.0	10
Chlorobenzene	<1.0	<1.0	5
Chloroethane	<2.0	<2.0	5
1,4-Dichlorobenzene	<1.0	<1.0	3
1,1-Dichloroethane	<1.0	<1.0	5
1,2-Dichloroethane	<1.0	<1.0	0.6
1,1-Dichloroethene	<1.0	<1.0	5
cis-1,2-Dichloroethene	<1.0	<1.0	5
trans-1,2-Dichloroethene	<1.0	<1.0	5
Ethylbenzene	<1.0	<1.0	5
Isopropylbenzene	<5.0	<5.0	5
MTBE	<1.0	<1.0	NS
Methylene chloride	<2.0	<2.0	5
Naphthalene	<5.0	<5.0	10
1,1,1,2-Tetrachloroethane	<5.0	<5.0	5
1,1,2,2-Tetrachloroethane	<1.0	<1.0	0.2
Tetrachloroethene (PCE)	<1.0	<1.0	0.7
Toluene	<1.0	<1.0	5
1,1,1-Trichloroethane	<1.0	<1.0	5
1,1,2-Trichloroethane	<1.0	<1.0	1
Trichloroethene (TCE)	<1.0	<1.0	5
Trichlorofluoromethane	<1.0	<1.0	5
1,2,4-Trimethylbenzene	<5.0	<5.0	5
1,3,5-Trimethylbenzene	<5.0	<5.0	5
Vinyl acetate	<5.0	<5.0	5
Vinyl chloride	<1.0	<1.0	2
Total Xylenes	<1.0	<1.0	5

Notes:
NS: No standard or guidance value established for compound.
<x: Analyte concentration not detected at or above specified laboratory quantitation limit.
BOLD concentration exceed NYD DEC TOGS 1.1.1.

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

Analyte	NYS DOH Guidance [1]	SGP-1			SGP-2						SGP-3			SGP-4							SGP-5				
Date	ppmv	3/26/04	9/28/06	4/10/08	3/26/04	9/28/06	4/10/08	9/30/08	2/4/09	6/9/09	3/26/04	9/28/06	4/10/08	3/26/04	9/28/06	9/5/07	10/18/07	4/10/08	2/4/09	6/9/09	3/26/04	9/28/06	9/5/07	10/18/07	4/10/08
Benzene	1.321	0.00075	<0.000386	<0.000386	0.00081	0.00079	<0.000386	<0.005	0.000245	<0.005	0.0007	<0.000386	<0.000386	0.023	<0.000386	<0.00039	<0.00039	<0.000386	0.000331	<0.005	0.00337	<0.000386	<0.00039	<0.00039	<0.000386
Chloroform	0.08	0.0255	0.0233	0.0186	0.203	0.35	0.144	0.374	0.121	0.183	0.0727	0.125	0.0891	0.156	0.153	0.35	0.119	0.114	0.0306	0.0859	0.196	0.756	0.80700	0.04170	0.104
Chloromethane	1.521	<0.00079	<0.00079	<0.00079	0.00095	<0.00079	<0.00079	<0.005	<0.002	<0.005	<0.00079	<0.00079	<0.00079	0.00734	<0.00079	<0.00079	<0.00079	<0.00079	0.000208	<0.005	0.0024	<0.00079	<0.00082	<0.00082	<0.00079
Cyclohexane	0.371	NR	<0.005	<0.0025	NR	<0.005	<0.0025	<0.005	0.00213	<0.005	NR	<0.005	<0.0025	NA	0.00616	<0.0025	<0.0025	<0.0025	0.00278	<0005	NA	0.0289	<0.0025	<0.0025	<0.0025
cis-1,2-Dichloroethylene	<0.62	1.29	0.415	0.483	1.99	3.31	1.74	3.97	1.19	2.79	1.04	0.921	0.342	1.31	1.39	3.21	1.37	1.02	0.354	0.621	0.829	2.38	0.84000	0.06907	0.824
1,1-Dichloroethane	<0.62	0.0775	0.0801	0.0482	0.324	0.656	0.252	<0.005	0.232	0.356	0.0932	0.0838	0.0319	0.191	0.088	0.278	0.08033	0.05	0.0134	0.0327	0.166	0.568	1.16000	0.22100	0.103
1,1-Dichloroethene	<0.62	0.00136	<0.00061	0.00107	0.00237	0.00126	0.00265	0.56	<0.0001	<0.002	<0.00061	<0.00061	<0.00061	0.00476	0.00083	0.00186	0.00068	<0.00061	<0.0002	<0.002	0.0119	0.0154	1.47000	0.00749	0.0118
1,2-Dichloroethane	<0.61	<0.00045	0.00587	<0.00045	0.0431	0.00276	0.00281	<0.005	0.00092	<0.005	0.0018	0.00196	0.00163	0.0645	0.00166	0.00337	0.00142	0.00184	0.000329	<0.002	0.0107	0.0184	<0.00039	<0.00039	0.0177
Ethylbenzene	0.249	<0.00054	<0.00054	NA	<0.00054	<0.00054	NA	<0.005	0.000744	<0.005	0.00754	<0.00054	NA	0.00149	<0.00054	NA	NA	NA	<0.0002	<0.005	0.00172	<0.00054	NA	NA	NA
m,p-Xylene	0.384	0.00082	<0.00038	NA	<0.00038	<0.00038	NA	<0.005	0.00326	<0.005	<0.00038	<0.00038	NA	0.0051	<0.00038	NA	NA	NA	<0.0004	<0.005	0.00681	<0.00038	NA	NA	NA
Methyl tert-butyl ether	NA	NA	NA	NA	NA	NA	NA	<0.005	<0.0002	<0.005	NA	NA	NA	NA	NA	<0.0025	<0.0025	NA	<0.0002	<0.005	NA	NA	<0.0025	<0.0025	NA
o-Xylene	0.384	<0.00046	<0.00046	NA	<0.00046	<0.00046	NA	0.00528	0.00062	<0.005	0.00096	<0.00046	NA	0.00185	<0.00046	NA	NA	NA	<0.0002	<0.005	0.00234	<0.00046	NA	NA	NA
Tetrachloroethylene	0.116	0.299	0.376	0.237	1.55	5.06	1.34	4.42	1.32	1.26	0.781	1.33	0.284	1.59	2.02	2.79	1.28		0.402	0.181	1.09	3.05	3.03	1.13	0.339
Toluene	1.537	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	<0.00095	0.00509	0.000699	<0.005	0.00105	<0.00095	<0.00095	0.024	<0.00095	NA	NA		0.000567	<0.005	0.00628	<0.00095	NA	NA	<0.00095
1,1,1-Trichloroethane	0.108	0.136	0.0596	0.0289	0.576	0.554	0.206	0.436	0.187	0.241	0.382	0.091	0.0332	0.379	0.104	0.211	0.7783	0.0424	0.0154	0.0378	0.316	0.392	0.03224	0.00868	0.0505
1,1,2-Trichloroethane	0.108	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.005	0.000242	<0.002	<0.00040	<0.00040	<0.00040	0.00083	0.00156	0.00258	<0.00040		0.000297	<0.002	0.00078	<0.00040	0.00408	<0.00040	<0.00040
1,2,4-Trimethylbenzene	0.339	0.00184	<0.00085	NA	<0.00085	<0.00085	NA	<0.005	<0.0002	<0.005	<0.00085	<0.00085	NA	0.00392	<0.00085	NA	NA	NA	<0.0002	<0.005	0.118	<0.00085	NA	NA	NA
Trichloroethylene	0.055	0.318	0.319	0.171	1.34	4.22	0.896	4.38	1.29	2.51	0.909	2.05	0.314	0.899	1.71	3.14	1.11	0.415	0.402	0.312	0.714	<0.00034	4.77	1.33	0.335
Vinyl chloride	<0.096	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.005	0.000443	<0.002	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	<0.00097	0.00127	<0.00097	0.00151	<0.002	0.0171	<0.00097	0.02989	0.00076	0.0127

1- NYS DOH Guidance for Evaluation Soil Vapor Intrusion in the State of New York, dated Oct. '06. Table C1.
All concentraqtions in ppm (parts per million).
<x: Indicates analyte concentration not detected at or above specified laboratory quantitation limit (x)
NA - Not Reported

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

Analyte	NYS DOH Guidance [1]	SGP-6									SGP-7				SGP-8		SGP-9			SGP-10	SGP-11					SGP-12			
Date	ppmv	3/26/04	5/4/04	6/14/04	6/14/04[2]	9/28/06	4/10/08	9/30/08	2/4/09	6/9/09	3/26/04	9/28/06	9/28/06[2]	4/10/08	3/26/04	9/10/08	3/26/04	2/4/09	6/9/09	3/26/04	5/4/04	6/14/04	9/30/08	2/4/09	6/9/09	5/4/04	6/14/04	2/4/09	6/9/09
Benzene	1.321	0.00248	0.00191	<0.00386	0.0067	0.00382	<0.000386	<0.005	0.00024	<0.001	<0.000386	<0.000386	<0.000386	<0.000386	0.00213	<0.005	0.00296	<0.0002	<0.005	0.00245	0.00666	0.0081	<0.0226	0.000934	<0.005	<0.00038	<0.00386	0.000223	<0.010
Chloroform	0.08	0.359	0.903	0.379	0.159	0.178	0.122	0.0411	0.0162	0.0216	0.0347	0.265	0.254	0.0978	0.217	0.361	0.0241	0.0948	0.0683	0.0311	0.0128	0.0342	0.044	0.0105	0.0404	<0.00049	0.0184	0.00369	0.0126
Chloromethane	1.521	0.00214	<0.00079	<0.0079	<0.0079	<0.00079	<0.00079	<0.005	<0.0002	<0.001	<0.00079	0.00186	<0.00079	<0.00079	0.00266	<0.005	<0.00079	<0.0002	<0.005	<0.00079	<0.00079	<0.0079	<0.0226	<0.0002	0.011	<0.00079	<0.0079	<0.0002	<0.010
Cyclohexane	0.371	NA	NA	NA	NA	0.00173	<0.0025	<0.005	0.000528	<0.001	NR	<0.005	<0.005	<0.0025	NR	<0.005	NR	0.000806	<0.005	NR	NR	NR	<0.0226	0.00739	0.0275	NR	NR	<0.0002	<0.010
cis-1,2-Dichloroethylene	<0.62	0.758	1.2	0.659	<0.004	0.238	0.112	0.177	0.037	0.742	0.056	1.78	1.72	0.365	1.08	3.56	2.87	0.653	2.47	1.74	20.2	4.75	5.16	1.9	4.14	0.38	1.91	0.101	0.492
1,1-Dichloroethane	<0.62	0.261	0.48	0.193	0.555	0.12	0.0461	0.00913	0.0038	0.0099	0.00814	0.676	0.694	0.0358	0.0346	0.205	0.0515	0.000061	0.18	0.0651	0.645	0.36	0.448	0.0912	0.416	0.0141	0.0571	0.00664	0.0219
1,1-Dichloroethene	<0.62	0.0108	0.00711	<0.0061	<0.0061	0.00373	0.00408	<0.005	0.000302	<0.0004	<0.00061	0.00085	0.00087	0.00132	0.00134	<0.005	0.00145	0.000305	<0.002	0.00167	0.0398	0.0329	<0.0226	0.00558	0.032	0.00254	<0.0061	0.000884	<0.004
1,2-Dichloroethane	<0.61	0.00903	0.00773	<0.0045	0.0513	0.00226	0.00557	<0.005	<0.0002	0.00043	<0.00045	0.00245	0.0313	0.00213	0.00354	<0.005	0.00231	0.000276	<0.002	0.00254	0.00347	<0.0045	<0.0226	<0.0002	<0.002	<0.00045	<0.0045	0.000493	<0.010
Ethylbenzene	0.249	0.0015	<0.00054	<0.0054	<0.0054	<0.00054	NA	0.0064	<0.0002	0.0011	<0.00054	<0.00054	<0.00054	NA	<0.00054	0.00613	<0.00054	<0.0002	<0.005	<0.00054	0.00168	<0.0054	<0.0226	0.000643	<0.005	0.00138	<0.0054	0.000371	<0.010
m,p-Xylene	0.384	0.00546	0.00168	<0.0038	<0.0038	<0.00038	NA	0.0168	<0.0004	0.004	<0.00038	<0.00038	<0.00038	NA	<0.00038	0.0166	0.00083	<0.0004	<0.005	0.00089	0.0059	<0.0038	<0.0226	0.00277	<0.005	0.00577	<0.0038	0.00155	<0.010
Methyl tert-butyl ether	NA	NA	NA	NA	NA	NA	NA	<0.005	0.000371	<0.001	NA	NA	NA	NA	NA	<0.005	NA	<0.0002	<0.005	NA	NA	NA	<0.0226	0.00233	<0.005	NA	NA	<0.0002	<0.010
o-Xylene	0.384	0.00227	<0.00046	<0.0046	<0.0046	<0.00046	NA	0.00824	<0.0002	<0.001	<0.00046	<0.00046	<0.00046	NA	<0.00046	0.00852	<0.00046	<0.0002	<0.005	<0.00046	0.0046	<0.0046	<0.0226	0.000606	<0.005	0.00143	<0.0046	0.000302	<0.010
Tetrachloroethylene	0.116	1.02	2.4	1.19	1.19	<0.00042	0.0799	1.31	0.0871	0.0152	0.0656	1.02	0.94	0.104	0.375	5.76	2.67	0.948	0.314	2.67	33.6	4.02	32.7	8.31	4.52	0.863	2.25	0.495	0.249
Toluene	1.537	0.00654	0.00131	<0.0095	<0.0095	<0.0095	<0.00095	0.00964	0.000717	0.0046	<0.00095	<0.00095	<0.00095	<0.00095	0.00159	0.00992	0.00111	<0.0002	<0.005	0.00116	0.00693	<0.0095	<0.0226	0.000723	<0.005	0.0304	<0.0095	0.000426	<0.010
1,1,1-Trichloroethane	0.108	0.389	2.6	2.06	0.319	0.0686	0.0218	0.0112	0.00287	0.0127	0.0451	0.0688	0.071	0.0129	0.303	0.0613	0.189	0.0156	0.0534	0.303	6.46	3.65	0.682	0.2	0.651	0.264	0.164	0.0208	0.0164
1,1,2-Trichloroethane	0.108	0.00072	0.00174	<0.004	<0.004	0.00157	0.00103	<0.005	<0.0002	<0.001	0.00226	<0.00085	<0.00085	NA	0.00138	<0.005	0.00093	<0.0002	<0.005	0.0016	0.00729	<0.0085	<0.0226	<0.0002	<0.005	0.00475	<0.0085	<0.0002	<0.010
1,2,4-Trimethylbenzene	0.339	0.101	0.00309	<0.0085	<0.0085	<0.00085	NA	<0.005	<0.0002	<0.001	0.00226	<0.00085	<0.00085	NA	0.00138	<0.005	0.00093	<0.0002	<0.005	0.0016	0.00729	<0.0085	<0.0226	<0.0002	<0.005	0.00475	<0.0085	<0.0002	<0.010
Trichloroethylene	0.055	0.927	3.04	2.26	2.2	1.53	0.0765	0.451	0.074	0.0772	0.101	2.18	2.07	0.132	0.727	4.2	1.89	0.811	0.658	0.697	7.12	3.82	12.1	3.1	6.21	0.296	1.82	0.245	0.309
Vinyl chloride	<0.096	0.0207	0.00431	<0.0097	<0.0097	0.0198	0.0116	<0.005	0.00108	0.0005	<0.00097	0.00425	0.00475	0.00149	0.0067	0.00603	0.00845	0.00125	<0.002	0.00734	0.0522	0.0591	0.0305	0.0998	0.664	0.00243	<0.0097	0.00166	0.0092

1- NYS DOH Guidance for Evaluation Sc
All concentraqtions in ppm (parts per mi
<x: Indicates analyte concentration not d
NA - Not Reported

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

Analyte	NYS DOH Guidance [1]	SGP-13		SGP-14			SGP-15		SGP-16			SGP-17		SGP-18			SGP-19		SGP-20	SGP-21		Ambient
Date	ppmv	5/4/04	6/14/04	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 [2]	6/18/04
Benzene	1.321	<0.00386	<0.00386	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
Chloroform	0.08	<0.0049	<0.0049	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
Chloromethane	1.521	<0.0079	<0.0079	<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
Cyclohexane	0.371	NR	NR	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
cis-1,2-Dichloroethylene	<0.62	<0.004	6.35	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
1,1-Dichloroethane	<0.62	0.144	0.264	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
1,1-Dichloroethene	<0.62	0.0125	0.0351	<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
1,2-Dichloroethane	<0.61	<0.0045	<0.0045	<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
Ethylbenzene	0.249	<0.0054	<0.0054	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
m,p-Xylene	0.384	<0.0038	<0.0038	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
Methyl tert-butyl ether	NA	NA	NA	NA	NA	<0.002	NA	NA	NA	NA	0.0028	NA	NA	NA	NA	<0.002	NA	NA	NA	NA	NA	NA
o-Xylene	0.384	<0.0046	<0.0046	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
Tetrachloroethylene	0.116	5.28	3.44	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
Toluene	1.537	<0.0095	<0.0095	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
1,1,1-Trichloroethane	0.108	1.56	2.94	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
1,1,2-Trichloroethane	0.108	<0.004	<0.004	<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
1,2,4-Trimethylbenzene	0.339	<0.0085	<0.0085	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
Trichloroethylene	0.055	1.74	3.12	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
Vinyl chloride	<0.096	<0.0097	0.0651	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- NYS DOH Guidance for Evaluation Sc
All concentraqtions in ppm (parts per mi
<x: Indicates analyte concentration not d
NA - Not Reported

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

DATE OF VISIT	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	7/22/08	7/31/08	8/7/08	8/14/08	9/11/08	9/18/08	9/30/08	10/15/08	11/4/08	12/3/08	12/5/08	12/15/08	12/22/08	12/29/08	12/30/08	1/15/09	1/19/09	2/2/09	2/4/09	2/6/09	2/9/09	2/19/09	3/3/09	3/5/09	3/25/09	4/17/09	5/6/09	5/20/09	6/3/09	6/17/09	7/1/09	7/15/09
Days Between O & M Events	7	7	7	6	8	6	7	7	8	6	7	7	7	8	6	7	7	28	7	12	15	20	29	2	10	7	7	1	16	4	14	2	2	3	10	12	14	20	23	19	14	16	12	14	14
Days of Operation	1637	1644	1651	1657	1665	1671	1678	1685	1693	1699	1706	1713	1720	1728	1734	1741	1748	1776	1783	1795	1810	1830	1859	1861	1871	1878	1885	1886	1902	1906	1920	1922	1924	1927	1937	1949	1963	1983	2006	2025	2039	2055	2067	2081	2095
SYSTEM STATUS (Up/Down/Off)																																													
Outer 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	Down	Up	Up	Down	Up	Up	Up	Down	Up	Up	Down	Up	Up	Up	Up	Up	Up	Up	Up
19th Avenue	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Down	Down	Down	Up	Up	Up	Up	Up	Down	Up	Up	Down	Up	Up	Up	Down	Up	Up	Down	Up	Up	Up	Up	Up	Up	Up	Up
Total Vacuum at Blower ("H20)																																												
Outer Warehouse	8	8	10	12	12	12	12	12	12	10	12	12	12	10	12	12	10	10	10	4.6	5	4.2	4.5	10.3	N/A	N/A	N/A	9	N/A	8.6	8.4	N/A	N/A	N/A	9	N/A	10	9.8	8	8.4	8	8	7.9	7.8	7.6
19th Avenue	16	16	8	12	14	14	14	14	22	22	22	20	20	20	20	22	18	22	18	20	34	18	12	902	N/A	N/A	N/A	9.6	N/A	9.2	9	N/A	N/A	N/A	8.9	N/A	9.2	9.4	8.2	8.4	8	8	7.5	6.9	6.9
OFF GAS TREATMENT w/ GAC																																												
PID Readings (ppm)																																												
Outer Warehouse																																												
Influent	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	N/A	3.5	N/A	N/A	N/A	2.8	N/A	2.6	3	N/A	N/A	N/A	2.6	N/A	4	8.2	7.4	7.6	8.1	8.1	6.9	6	6
Intermediate	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	N/A	0.8	N/A	N/A	N/A	0.6	N/A	0.7	0.8	N/A	N/A	N/A	0.9	N/A	0.7	0.6	0.2	0.5	0.5	0.5	0.6	0.4	0.4
Effluent	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	N/A	0.3	N/A	N/A	N/A	0.2	N/A	0.1	0.1	N/A	N/A	N/A	0.1	N/A	0.3	0.2	0.0	0.1	0.2	0.2	0.2	0.2	0.2
19th Avenue																																												
Influent	0.6	0.1	0.8	1.6	2.7	4.4	5.1	3.7	2.9	2.1	2.6	2	2.6	4.3	2.8	2.4	2.8	3.5	2.1	2	0.1	0	N/A	6.7	N/A	N/A	N/A	7.1	N/A	7	6.9	N/A	N/A	N/A	8.6	N/A	6.9	6.4	6	5.8	6.1	6.1	6	6.1	5.9
Intermediate	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	N/A	0.9	N/A	N/A	N/A	0.8	N/A	0.6	0.7	N/A	N/A	N/A	1	N/A	1	1.1	1	1	0.6	0.6	0.5	0.4	0.3
Effluent	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	N/A	0.4	N/A	N/A	N/A	0.6	N/A	0.2	0.1	N/A	N/A	N/A	0.3	N/A	0.5	0.6	0.4	0.3	0.3	0.3	0.2	0.2	0.1
OFF GAS REMOVAL EFFICIENCY																																												
Removal Effficiency %																																												
Warehouse Efficiency	81%	77%	82%	33%	81%	75%	84%	83%	68%	72%	77%	73%	80%	77%	72%	69%	76%	66%	79%	68%	87%	-86%	N/A	91%	N/A	N/A	N/A	93%	N/A	96%	97%	N/A	N/A	N/A	96%	N/A	93%	98%	100%	99%	98%	98%	97%	97%	97%
19th Ave. Efficiency	67%	50%	75%	88%	63%	80%	82%	73%	72%	99%	69%	90%	85%	91%	89%	92%	86%	71%	76%	100%	100%	-	N/A	94%	N/A	N/A	N/A	92%	N/A	97%	99%	N/A	N/A	N/A	97%	N/A	93%	91%	93%	95%	95%	95%	97%	97%	98%
GAC CARBON CHANGEOUT	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	yes (11/18	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)																																												
Outer Warehouse SVE-1	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	0	0	N/A	N/A	N/A	0.1	N/A	0.1	0.1	N/A	N/A	N/A	0	N/A	0	0	0	0	0	0	0	0	0
Outer Warehouse SVE-2	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	0.2	0.2	N/A	N/A	N/A	0.1	N/A	0	0.2	N/A	N/A	N/A	0	N/A	0	0	0	0	0	0	0	0	0
Outer Warehouse SVE-3	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	0	0	N/A	N/A	N/A	0.3	N/A	0.1	0.1	N/A	N/A	N/A	0	N/A	0	0	0	0	0	0	0	0	0
Outer Warehouse SVE-4	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	0.1	0.1	N/A	N/A	N/A	0.3	N/A	0.1	0.3	N/A	N/A	N/A	0	N/A	0	0	0	0	0	0	0	0	0
Outer Warehouse SVE-5	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	0	0	N/A	N/A	N/A	0	N/A	0	0.2	N/A	N/A	N/A	0	N/A	0	0	0	0	0	0	0	0	0
Outer Warehouse SVE-6	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	0	0	N/A	N/A	N/A	0.2	N/A	0.1	0	N/A	N/A	N/A	0	N/A	0	0	0	0	0	0	0	0	0
Outer Warehouse SVE-7	7.1	7.3	5.7	7	9.6	8.6	13	13	9.1	9.1	9.2	6.3	11	15	10	10	8.8	11	6.9	3.8	0	0	0	0	N/A	N/A	N/A	0.1	N/A	0.1	0.1	N/A	N/A	N/A	0	N/A	0	0	0	0	0	0	0	0	0
Outer Warehouse SVE-8	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	0	0	N/A	N/A	N/A	0.2	N/A	0.1	0.1	N/A	N/A	N/A	0	N/A	0	0	5	0	0	0	0	0	0
Outer Warehouse HSVE-1	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	0	0	N/A	N/A	N/A	0.3	N/A	0	0.3	N/A	N/A	N/A	0	N/A	0	0	2.5	0	0	0	0	0	0
Outer Warehouse HSVE-2	6.5	10.4	9.6	5.4	10	11	13	8.4	7.6	9.2	6.4	9.2	7.2	8.8	7	12	7.3	9.2	8.7	6.7	2	2.6	0.1	0.1	N/A	N/A	N/A	0	N/A	0.1	0.1	N/A	N/A	N/A	0	N/A	0	0	3	0	0	0	0	0	0
Outer Warehouse HSVE-3	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	0	0	N/A	N/A	N/A	0.1	N/A	0.2	0	N/A	N/A	N/A	0	N/A	0	0	1.5	0	0	0	0	0	0
Outer Warehouse HSVE-4	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	0.1	0.1	N/A	N/A	N/A	0.2	N/A	0.2	0.1	N/A	N/A	N/A	0	N/A	0	0	9.2	0	0	0	0	0	0
Outer Warehouse HSVE-5	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	0	0	N/A	N/A	N/A	0.1	N/A	0.1	0.1	N/A	N/A	N/A	0	N/A	0	0	0	0	0	0	0	0	0
Outer Warehouse HSVE-6	5.1	4.8	5	7.2	14	13	10	7.6	7.5	16	11	8.4	6.4	8.6	9.5	8.6	7.2	11	7.2	3.4	0.4	0	0	0	N/A	N/A	N/A	0.2	N/A	0	0.1	N/A	N/A	N/A	0	N/A	0	0	0	0	0	0	0	0	0
Outer Warehouse HSVE-7	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	0	0	N/A	N/A	N/A	0.2	N/A	0	0.1	N/A	N/A	N/A	0	N/A	0	0	0	0	0	0	0	0	0
19th Avenue SW-Deep	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	2.5	1	0	0.5	0.5	N/A	N/A	N/A	1.3	N/A	0.7	1.3	N/A	N/A	N/A	0	N/A	0	0	0	0	0	0	0	0	0
19th Avenue SE-Deep	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	0.5	0	0	0.4	0.4	N/A	N/A	N/A	1	N/A	0.4	1	N/A	N/A	N/A	0	N/A	0	0	0	0	0	0	0	0	0
19th Avenue NW-Deep	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	0.7	0	0	0.7	0.7	N/A	N/A	N/A	1.2	N/A	0.8	1	N/A	N/A	N/A	0	N/A	0	0	0	0	0	0	0	0	0
19th Avenue NE-Deep	18	18	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	2.1	0	0	0.7	0.7	N/A	N/A	N/A	2.9	N/A	1	2.9	N/A	N/A	N/A	0	N/A	0	0	0	0	0	0	0	0	0
19th Avenue MW-31 Horizontal-Deep	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	3	0	0	1.4	1.4	N/A	N/A	N/A	1	N/A	0.7	0.8	N/A	N/A	N/A	0	N/A	0	0	0	0	0	0	0	0	0
19th Avenue MW-31 Horizontal-Shallow	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	3	0	0	2.3	2.3	N/A	N/A	N/A	0.5	N/A	0.3	0.5	N/A	N/A	N/A	0	N/A	0	0	0	0	0	0	0	0	0
19th Avenue MW-12S	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.6	0	0	1.6	1.6	N/A	N/A	N/A	0.8	N/A	0.6	0.8	N/A	N/A	N/A	0	N/A	0	0	0	0	0	0	0	0	0
19th Avenue MW-12I	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	7.2	0	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0	N/A	N/A	N/A	N/A	N/A	N/A
Valve Open (%)																																												
Outer Warehouse SVE-1	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	75	90	90	N/A	N/A	N/A	90	N/A	90	90	N/A	N/A	N/A	90	N/A	90	90	90	90	90	90	90	90	90
Outer 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	N/A	N/A	N/A	100	N/A	100	100	N/A	N/A	N/A	100	N/A	100	100	100	100	100	100	100	100	100
Outer Warehouse SVE-3	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	75	50	50	N/A	N/A	N/A	40	N/A	40	40	N/A	N/A	N/A	40	N/A	40	40	40	40	40	40	40	40	40
Outer Warehouse SVE-4	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	75	50	50	N/A	N/A	N/A	50	N/A	50	50	N/A	N/A	N/A	50	N/A	50	50	50	50	50	50	50	50	50
Outer Warehouse SVE-5	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	75	80	80	N/A	N/A	N/A	50	N/A	50	50	N/A	N/A	N/A	50	N/A	50	50	50	50	50	50	50	50	50
Outer Warehouse SVE-6	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	75	80	80	N/A	N/A	N/A	60	N/A	60	60	N/A	N/A	N/A	60	N/A	60	60	60	60	60	60	60	60	60
Outer Warehouse SVE-7	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	75	50	50	N/A	N/A	N/A	50	N/A	50	50	N/A	N/A	N/A	50	N/A	50	50	50	50	50	50	50	50	50
Outer Warehouse SVE-8	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	70	50	60	60	N/A	N/A	N/A	90	N/A	90	90	N/A	N/A	N/A	90	N/A	90	90	90	90	90	90	90	90	90
Outer Warehouse HSVE-1	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	60	50	70	70	N/A	N/A	N/A	90	N/A	90	90	N/A	N/A	N/A	90	N/A	90	90	90	90	90	90	90	90	90
Outer Warehouse HSVE-2	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	70	25	60	60	N/A	N/A	N/A	80	N/A	80	80	N/A	N/A	N/A	80	N/A	80	80	80	80	80	80	80	80	80
Outer Warehouse HSVE-3	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	50	50	50	N/A	N/A	N/A	20	N/A	20	20	N/A	N/A	N/A	20	N/A	20	20	20	20	20	20	20	20	20
Outer Warehouse HSVE-4	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	20	50	50	N/A	N/A	N/A	20	N/A	20	20	N/A	N/A	N/A	20	N/A	20	20	20	20	20	20	20	20	20
Outer Warehouse HSVE-5	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	25	50	50	N/A	N/A	N/A	20	N/A	20	20	N/A	N/A	N/A	20	N/A	20	20	20	20	20	20	20	20	20
Outer Warehouse HSVE-6	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	75	20	20	N/A	N/A	N/A	60	N/A	60	60	N/A	N/A	N/A	60	N/A	60	60	60	60	60	60	60	60	60
Outer Warehouse HSVE-7	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	50	75	20	20	N/A	N/A	N/A	60	N/A	60	60	N/A	N/A	N/A	60	N/A	60	60	60	60	60	60	60	60	60
19th Avenue SW-Deep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	40	25	50	50	N/A	N/A	N/A	50	N/A	50	50	N/A	N/A	N/A	50	N/A	50	50	50	50	50	50	50	50	50
19th Avenue SE-Deep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	30	25	50	50	N/A	N/A	N/A	50	N/A	50	50	N/A	N/A	N/A	50	N/A	50	50	50	50	50	50	50	50	50
19th Avenue NW-Deep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	40	25	50	50	N/A	N/A	N/A	50	N/A	50	50	N/A	N/A	N/A	50	N/A	50	50	50	50	50	50	50	50	50
19th Avenue NE-Deep	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	20	25	50	50	N/A	N/A	N/A	50	N/A	50	50	N/A	N/A	N/A	50	N/A	50	50	50	50	50	50	50	50	50
19th Avenue MW-31 Horizontal-Deep	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	30	25	50	50	N/A	N/A	N/A	50	N/A	50	50	N/A	N/A	N/A	50	N/A	50	50	50	50	50	50	50	50	50
19th Avenue MW-31 Horizontal-Shallow	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0	25	50	50	N/A	N/A	N/A	50	N/A	50	50	N/A	N/A	N/A	50	N/A	50	50	50	50	50	50	50	50	50
19th Avenue MW-12S	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	50	25	50	50	N/A	N/A	N/A	50	N/A	50	50	N/A	N/A	N/A	50	N/A	50	50	50	50	50	50	50	50	50
19th Avenue MW-12I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	50	25	50	50	N/A	N/A	N/A	50	N/A	50	50	N/A	N/A	N/A	50	N/A	50	50	50	50	50	50	50	50	50
19th Avenue MW-31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100	50	25	50	50	N/A	N/A	N/A	50	N/A	50	50	N/A	N/A	N/A	50	N/A	50	50	50	50	50	50	50	50	50
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	Down	up	up	Down	up	up	up	Down	up	up	up	up	up	up	down	down	up	down	down

Notes:
O&M - Operation and Maintenance
Up - Remediation System is Operational
Down - An Alarm Condition has Shut Off
Off - The Remediation System has Been S
"H2O - pressure/vacuum in inches of wa
PID - samples measured with a photoioni
ppmv - parts per million per unit volume
NA - Not Applicable
ND - Not Detected

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	2/16/07	2/20/07	2/26/07	3/11/07	3/21/07	3/28/07	4/5/07	4/11/07	4/18/07
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	7	8	7	7	7	16	4	6	16	7	7	8	6	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	981	1053	1060	1066	1074	1082	1088	1095	1102	1109	1116	1124	1131	1139	1145	1151	1159	1166	1173	1180	1187	1203	1207	1213	1229	1236	1243	1251	1257	1264
SYSTEM STATUS (Up/Down/Off)																																																							
Outer 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	Up	Up	Up	Up	Up	Up	Up	Up	Up
19th Avenue																																																					
Total Vacuum at Blower ("H20)																																																					
Outer 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	12	20	22	10	10	10	12	10	12
19th Avenue																																																					
OFF GAS TREATMENT w/ GAC																																																					
PID Readings (ppm)																																																					
Outer 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	3.3	2.8	6.9	2.5	2.2	2.7	2.5	2.6	2.3
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	33.7	30	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	0	0.5	0.5	0.2	0	0.1	0.2	0.3	0.2
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	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.1
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%	100%	96%	96%	100%	100%	100%	100%	100%	10%
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	no	no	no	no	no	no	no	no
MONITORING																																																				
PID Readings (ppmv)																																																				
Outer Warehouse	SVE-1		0		21.2	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	3.4	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	0.1	0.3	11.6	15.2	6.6	7.2	2.7	12.3	3.2
	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	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	0.2	0.3	10.4	40	6.7	8.1	12.8	8.5	9.4
	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	64	37	20	21	21	21	54	38	50	67	28	7.5	38	37	0.1	0.2	22	37	20	8.9	16.5	10.2	18.6
	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	12.2	36.4	21	65	60	47	34	14	70	21	26	16	20	24	49	30	48	49	15.2	3.1	17	41	0.1	0.2	38	19	7.4	26	11.1	30	10.5
	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	47	34	14	70	21	26	16	20	24	49	30	48	49	15.2	3.1	17	41	0.1	0.2	38	19	7.4	26	11.1	30	10.5
	SVE-6			15.1	11.2	71.4	68.5	70.9	72.7	53.4	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	0.1	0.2	17	56	54	50	51	39	10.2
	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	0.1	0.3	22	33	14	4.5	10.1	8	8.8
	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	0.1	0.3	22	48	29	16	15	18	20.2
	HSVE-1	0		2	1.2	2.3	2.9	2.8	1.8	0.3	0.5	0.9	0.7	0	0.3	0.5	0.7	0.1	0.3	0	0	0	1.5	0.9	0	0.1	2.8	54	58	17	15	6.8	24	29	25	18	18	19	30	57	49	53	74	71	1.4	29	33	0.1	0.3	22	33	14	4.5	10.1	8	8.8
	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	91	8.2	0.2	13.4	42	0.1	0.2	2.9	6.2	8	5.5	8.6	4.1	6.1	7.2
	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	91	250	79	78	18	1	10.8	31	0.1	0.5	23	7.5	4.8	7.8	4	5.8	6.5
	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	0.2	0.5	4.9	7.8	8.2	6.1	7.7	8	4.3
	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	1.8	3	3.9	0	3.1	1	3.4	41	42	21	23	16	38	19	38	20	35	89	74	89	73	81	6.4	0.7	10.2	30	0.1	1.6	15	19.6	15.6	18	16.8	11.2	15.8
	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	0.1	0.3	16	4.6	5.3	2.1	5.6	7.4	1.7
	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	0.1	0.5	1.2	5.2	8.8	2.5	5.1	7.8	2.6
19th Avenue	SW-Deep																																																				
	SE-Deep																																																				
	NW-Deep																																																			
	NE-Deep																																																			
	MW-31 Horizontal-Deep																																																			
	MW-31 Horizontal-Shallow																																																			
	MW-12S																																																			
	MW-12I																																																			
Valve Open (%)																																																				
Outer 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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	100	100	100	100	100	100	100	100
19th Avenue	SW-Deep																																																			
	SE-Deep																																																			
	NW-Deep																																																			
	NE-Deep																																																			
	MW-31 Horizontal-Deep																																																			
	MW-31 Horizontal-Shallow																																																			
	MW-12S																																																			
	MW-12I																																																			
	MW-31																																																			
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	up	up	up	up	up	up	up

Notes:

O&M - Operation and Maintenance
Up - Remediation System is Operational
Down - An Alarm Condition has Shut Off the Remediation System
Off - The Remediation System has Been Shut Off
"H2O - pressure/vacuum in inches of water
PID - samples measured with a photoionization detector (PID) calibrated to read total volatile organic compounds (VOC) as benzene.
ppmv - parts per million per unit volume
NA - Not Applicable
ND - Not Detected

NM - Not Measured
NO - Not Operating
WI - Well Inaccessible
-- Anomalous Data
ft - Feet
psi - Pounds per Square Inch
GAC - Vapor Phase Granular Activated Carbon Units (1 - 200 lb Warehouse, 2 - 1000 lb Warehouse, 3 - 200 lb 19th Ave., 4 - 1000 lb 19th Ave.)

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

DATE OF VISIT		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	10/1/07	10/10/07	10/17/07	10/26/07	11/2/07	11/8/07	11/13/07	11/21/07	11/30/07	12/7/07	12/11/07	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
Days Between O & M Events		7	7	7	8	6	7	7	9	7	6	7	7	7	7	7	8	8	7	8	3	1	1	1	5	2	14	6	7	9	7	6	7	6	9	7	4	10	6	7	8	6	8	6	8	7	6	7	8	6	29	7	7	7
Days of Operation		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	1511	1517	1524	1532	1538	1546	1552	1560	1567	1573	1580	1588	1594	1609	1616	1623	1630
SYSTEM STATUS (Up/Down/Off)																																																							
Outer 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	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up	Up
19th Avenue																				Startup	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
Total Vacuum at Blower ("H20)																																																					
Outer Warehouse		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	8	8	6	8	8	10	8	6	6	8	8	8	6	8	8	10	12
19th Avenue																					2	2	22	26	18	18	8	8	18	24	22	22	22	22	22	NO	NO	NO	20	18	26	20	18	18	18	10	NO	NO	NO	NO	NO	20	18	18	18
OFF GAS TREATMENT w/ GAC																																																					
PID Readings (ppm)																																																					
Outer Warehouse																																																					
Influent		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	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
Intermediate		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	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
Effluent		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	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
19th Avenue																																																					
Influent																					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	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
Intermediate																					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	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
Effluent																					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	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
OFF GAS REMOVAL EFFICIENCY																																																					
Removal Efficiency %																																																					
Warehouse Efficiency		100%	96%	66%	93%	6%	-143%	91%	66%	73%	4%	35%	44%	52%	-16%	-1311%	100%	82%	38%	19%	42%				63%		58%	72%	70%	-15%	65%	92%	-61%	3%	47%	88%	78%	84%	76%	73%	-300%	77%	62%	68%	86%	75%	100%	67%	75%	54%	78%	95%	82%	74%	69%
19th Ave. Efficiency																					88%	81%	100%	100%	35%	100%	82%	55%	77%	-236%	53%	91%	35%	56%	39%				63%	69%	75%	69%	25%	77%	73%	64%						100%	82%	58%	87%
GAC CARBON CHANGEOUT		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	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no
MONITORING																																																					
PID Readings (ppmv)																																																				
Outer Warehouse	SVE-1		10.2	20	4.9	22	6.5	7.2	4.3	10.2	8.6	6.8	10	13.1	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	16	22	17	23	30	30	10.3	7.8	7.6	5.2	6.3	7.1	7.8	18	11	20	16
	SVE-2		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	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
	SVE-3		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	21	8.4	21	21	16	33	5.7	1.1	9.1	7.2	5.1	5.4	6.9	20	26	34	24
	SVE-4		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	13	28	8	8.1	29	14	28	15	18	16	13	2.6	6.5	10	4.3	8.6	3.2	11	17	12	11
	SVE-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	32	29	9	11	12	11	19	3.4	2.9	6.8	5.2	10	11	16	34	7.6	16
	SVE-6		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	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
	SVE-7		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	30	11	7.1	9.7	8	6.5	11	17	7.7	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
	SVE-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	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
	HSVE-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	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
	HSVE-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	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
	HSVE-3		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	15	33	12	26	33	29	17	6.6	5.1	5.7	4.2	11	10	29	13	25	19
	HSVE-4		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	30	21	20	14	15	29	6.2	5.2	9.3	4.1	6.1	6.7	14	15	27	15	12
	HSVE-5		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	17	16	14	12	11	13	15	3.2	6.2	6.8	18	18	9.4	11	14	19	4.3
	HSVE-6		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	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
	HSVE-7		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	3.5	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	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
19th Avenue	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
	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
	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
	NE-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
	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
	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
	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
	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
Valve Open (%)																																																					
Outer 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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	100	100	100	100	100	100	100	100
19th Avenue	SW-Deep																					100	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
	SE-Deep																					100	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
	NW-Deep																					100	100	100	100	100	100	100	100	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
	NE-Deep																					100	0	0	0	0	0	0	0	0	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
	MW-31 Horizontal-Deep																					100	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
	MW-31 Horizontal-Shallow																					100	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
	MW-12S																					100	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
	MW-12I																					100	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
	MW-31																					100	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
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	up	up	up	up	up	up	up	up

Notes:
O&M - Operation and Maintenance
Up - Remediation System is Operational
Down - An Alarm Condition has Shut Off
Off - The Remediation System has Been S
"H2O - pressure/vacuum in inches of wat
PID - samples measured with a photoioni
ppmv - parts per million per unit volume
NA - Not Applicable
ND - Not Detected

APPENDIX A

New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

07/06/09

Technical Report for

Triumvirate Environmental

42-14 19th Avenue, Astoria NY

#750

Accutest Job Number: M83560

Sampling Dates: 06/05/09 - 06/10/09

Report to:

Triumvirate Environmental

csasse@triumvirate.com

ATTN: Craig Sasse

Total number of pages in report: **187**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

ACCUTEST LABORATORIES 50 YEARS 1956-2006

Client Service contact: Kristen Blanchard 508-481-6200

Certifications: MA (M-MA136) CT (PH-0109) NH (2502) RI (00071) ME (MA0136) FL (E87579) NY (11791) NJ (MA926) PA (68-01121) NC (653) IL (200018) NAVY USACE

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5

Table of Contents

Table of Contents

Sections: 1 2 3 4 5

Sample Summary

Triumvirate Environmental

Job No: M83560

42-14 19th Avenue, Astoria NY
Project No: #750

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
M83560-1	06/09/09	15:55 JFB	06/12/09	AQ	Ground Water	MW-34
M83560-2	06/10/09	10:20 JFB	06/12/09	AQ	Ground Water	MW-13S
M83560-3	06/10/09	10:00 JFB	06/12/09	AQ	Ground Water	MW-23R
M83560-4	06/10/09	09:15 JFB	06/12/09	AQ	Ground Water	MW-12S
M83560-5	06/10/09	09:00 JFB	06/12/09	AQ	Ground Water	MW-12I
M83560-6	06/10/09	09:25 JFB	06/12/09	AQ	Ground Water	MW-31
M83560-7	06/10/09	11:00 JFB	06/12/09	AQ	Ground Water	MW-28D
M83560-8	06/10/09	10:45 JFB	06/12/09	AQ	Ground Water	MW-28S
M83560-9	06/10/09	12:30 JFB	06/12/09	AQ	Surface Water	SW-DOWNGRADIENT
M83560-10	06/10/09	13:30 JFB	06/12/09	AQ	Surface Water	SW-UPGRADIENT
M83560-11	06/05/09	00:00 JFB	06/12/09	AQ	Trip Blank Water	TRIP BLANK
M83560-12	06/09/09	12:20 JFB	06/12/09	AQ	Ground Water	MW-32
M83560-13	06/09/09	12:45 JFB	06/12/09	AQ	Ground Water	PZ-1

Sample Summary
(continued)

Triumvirate Environmental

Job No: M83560

42-14 19th Avenue, Astoria NY
Project No: #750

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
M83560-14	06/09/09	12:30	JFB	06/12/09	AQ	Ground Water	APMW-1
M83560-15	06/09/09	13:00	JFB	06/12/09	AQ	Ground Water	MW-16
M83560-16	06/09/09	14:00	JFB	06/12/09	AQ	Ground Water	APMW-2
M83560-17	06/09/09	14:15	JFB	06/12/09	AQ	Ground Water	MW-6
M83560-18	06/09/09	14:45	JFB	06/12/09	AQ	Ground Water	MW-19I
M83560-19	06/09/09	15:00	JFB	06/12/09	AQ	Ground Water	MW-19S
M83560-20	06/09/09	15:15	JFB	06/12/09	AQ	Ground Water	MW-29S
M83560-21	06/09/09	15:25	JFB	06/12/09	AQ	Ground Water	MW-29D
M83560-22	06/09/09	15:45	JFB	06/12/09	AQ	Ground Water	MW-33
M83560-23	06/09/09	09:30	JFB	06/12/09	AQ	Ground Water	MW-22S
M83560-24	06/09/09	09:45	JFB	06/12/09	AQ	Ground Water	MW-30
M83560-25	06/09/09	11:00	JFB	06/12/09	AQ	Ground Water	MW-26
M83560-26	06/09/09	13:00	JFB	06/12/09	AQ	Ground Water	MW-25

Sample Summary
(continued)

Triumvirate Environmental

Job No: M83560

42-14 19th Avenue, Astoria NY
Project No: #750

Sample Number	Collected Date	Time By	Received	Matrix Code	Matrix Type	Client Sample ID
M83560-27	06/09/09	10:15 JFB	06/12/09	AQ	Ground Water	MW-27
M83560-28	06/09/09	10:30 KH	06/12/09	AQ	Ground Water	MW-35
M83560-29	06/09/09	10:30 JFB	06/12/09	AQ	Ground Water	MW-36
M83560-30	06/09/09	11:05 JFB	06/12/09	AQ	Ground Water	MW-20S
M83560-31	06/09/09	11:20 JFB	06/12/09	AQ	Ground Water	MW-20D
M83560-32	06/09/09	11:30 JFB	06/12/09	AQ	Ground Water	MW-24
M83560-33	06/09/09	12:05 JFB	06/12/09	AQ	Ground Water	MW-5

ACCUTEST Laboratories

2

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Triumvirate Environmental **Job No** M83560

Site: 42-14 19th Avenue, Astoria NY **Report Date** 6/22/2009 3:02:07 PM

32 Sample(s), 1 Trip Blank were collected on between 06/05/2009 and 06/10/2009 and were received at Accutest on 06/12/2009 properly preserved, at 1.7 Deg. C and intact. These Samples received an Accutest job number of M83560. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix AQ **Batch ID:** MSE1668

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for 2-Butanone (MEK), 2-Hexanone, Acetone are outside control limits. Associated samples are non-detect for this compound.
- MS/MSD for 1,1,1-Trichloroethane is outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- MS for cis-1,2-Dichloroethene, Tetrachloroethene is outside control limits. MSD for cis-1,2-Dichloroethene, Tetrachloroethene, Trichloroethene is outside control limits. Outside control limits due to high level in sample relative to spike amount.
- MS/MSD for acetone is outside control limits. Associated samples are non-detect for this compound.

Matrix AQ **Batch ID:** MSM1049

- All samples were analyzed within the recommended method holding time.
- Sample(s) M83598-5MS, M83598-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Bromomethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- RPD(s) for MSD for Bromomethane are outside control limits for sample M83598-5MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.
- M83560-3: The pH of the sample aliquot for VOA analysis was >2 at time of analysis.
- M83560-12: The pH of the sample aliquot for VOA analysis was >2 at time of analysis.
- M83598-5M/M83598-5MSD for Vinyl Acetate: Outside control limits. Associated samples are non-detect for this compound.
- MSM1049-BS/MSM1049-BSD for Vinyl Acetate: Outside control limits. Associated samples are non-detect for this compound.

Matrix AQ **Batch ID:** MSM1050

- All samples were analyzed within the recommended method holding time.
- Sample(s) M83682-1MS, M83682-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- BS/BSD Recovery(s) for Acetone are outside control limits. Blank Spike meets program technical requirements. Blank spike recovery are within in-house control limits (40-160%)
- Matrix Spike Recovery(s) for Bromomethane, Iodomethane are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- RPD(s) for MSD for Bromomethane are outside control limits for sample M83682-1MSD. High RPD due to sample matrix interference and/or non-homogeneity.
- M83682-1MS/M83682-1MSD for Vinyl Acetate: Outside control limits. Associated samples are non-detect for this compound.
- MSM1050-BS/MSM1050-BSD for Vinyl Acetate: Outside control limits. Associated samples are non-detect for this compound.

Volatiles by GCMS By Method SW846 8260B

Matrix AQ **Batch ID:** MSM1050

- M83682-1MS/M83682-1MSD for Acetone: Outside control limits. Blank Spike meets program technical requirements. Matrix spike with in-house control limits.

Matrix AQ **Batch ID:** MST394

- All samples were analyzed within the recommended method holding time.
- Sample(s) M83560-19MS, M83560-19MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- BS/BSD Recovery(s) for 2-Butanone (MEK), 2-Hexanone, Acetone are outside control limits. Associated samples are non-detect for this compound.
- Matrix Spike Recovery(s) for 1,2,3-Trichlorobenzene, 1,2,4-Trichlorobenzene, Hexachlorobutadiene are outside control limits. Outside control limits due to possible matrix interference. Refer to Blank Spike.
- MS/MSD Recovery(s) for 2-Butanone (MEK), 2-Hexanone, Acetone are are outside control limits. Associated samples are non-detect for this compound.
- RPD(s) for MSD for 1,2,3-Trichlorobenzene are outside control limits for sample M83560-19MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.
- M83560-30: Elevated RL due to dilution required for matrix interference.
- M83560-33: Elevated RL due to dilution required for matrix interference.
- M83560-32: Elevated RL due to dilution required for matrix interference.
- M83560-19: Elevated RL due to dilution required for matrix interference.

Matrix AQ **Batch ID:** MST395

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M83577-22MS, M83577-22MSD were used as the QC samples indicated.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M83560).

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	MW-34		
Lab Sample ID:	M83560-1	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E37354.D	1	06/15/09	SC	n/a	n/a	MSE1668
Run #2	E37357.D	50	06/15/09	SC	n/a	n/a	MSE1668
Run #3	M32792.D	250	06/18/09	SC	n/a	n/a	MSM1050

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	2.7	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	1.4	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	2.4	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	4.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	139	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	46.7	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	8380 [a]	50	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-34		
Lab Sample ID:	M83560-1	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
156-60-5	trans-1,2-Dichloroethene	38.3	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	7.9	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	7.9	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	65.2	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	8350 [b]	250	ug/l	
108-88-3	Toluene	15.4	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	393 [a]	50	ug/l	
79-00-5	1,1,2-Trichloroethane	1.7	1.0	ug/l	
79-01-6	Trichloroethene	3590 [a]	50	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	1650 [a]	50	ug/l	
1330-20-7	Xylene (total)	48.1	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	102%	102%	110%	70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-34		
Lab Sample ID:	M83560-1	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
2037-26-5	Toluene-D8	102%	102%	100%	70-130%
460-00-4	4-Bromofluorobenzene	96%	101%	110%	70-130%

(a) Result is from Run# 2
(b) Result is from Run# 3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-13S		
Lab Sample ID:	M83560-2	**Date Sampled:**	06/10/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M32760.D	1	06/17/09	SC	n/a	n/a	MSM1049
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	2.1	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	4.8	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-13S		
Lab Sample ID:	M83560-2	**Date Sampled:**	06/10/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	2.8	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	1.1	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	110%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-23R		
Lab Sample ID:	M83560-3	**Date Sampled:**	06/10/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	M32761.D	1	06/17/09	SC	n/a	n/a	MSM1049
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	3.5	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-23R		
Lab Sample ID:	M83560-3	**Date Sampled:**	06/10/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	3.2	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	108%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-23R		
Lab Sample ID:	M83560-3	**Date Sampled:**	06/10/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-12S		
Lab Sample ID:	M83560-4	**Date Sampled:**	06/10/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M32762.D	1	06/17/09	SC	n/a	n/a	MSM1049
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	34.7	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	7.9	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	48.0	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	19.8	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	5.6	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	43.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	2.2	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	2.1	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-12S		
Lab Sample ID:	M83560-4	**Date Sampled:**	06/10/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	15.1	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	14.6	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	5.9	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	8.2	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	2.5	1.0	ug/l	
1330-20-7	Xylene (total)	27.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	104%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-12I		
Lab Sample ID:	M83560-5	**Date Sampled:**	06/10/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E37361.D	1	06/15/09	SC	n/a	n/a	MSE1668
Run #2	M32793.D	200	06/18/09	SC	n/a	n/a	MSM1050
Run #3	M32796.D	2000	06/18/09	SC	n/a	n/a	MSM1050

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND [a]	1000	ug/l	
71-43-2	Benzene	5790 [a]	100	ug/l	
108-86-1	Bromobenzene	22.1	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	8.6	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	86.0	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	6270 [a]	200	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	97.2	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	16.5	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	67.3	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	5030 [a]	200	ug/l	
107-06-2	1,2-Dichloroethane	1930 [a]	200	ug/l	
75-35-4	1,1-Dichloroethene	1410 [a]	200	ug/l	
156-59-2	cis-1,2-Dichloroethene	228000 [b]	2000	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-12I		
Lab Sample ID:	M83560-5	**Date Sampled:**	06/10/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
156-60-5	trans-1,2-Dichloroethene	98.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	41.9	2.0	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	368	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	11.5	5.0	ug/l	
99-87-6	p-Isopropyltoluene	7.7	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	198	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	153	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	1860 [a]	400	ug/l	
91-20-3	Naphthalene	55.0	5.0	ug/l	
103-65-1	n-Propylbenzene	16.0	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	1290 [a]	200	ug/l	
108-88-3	Toluene	3230 [a]	200	ug/l	
87-61-6	1,2,3-Trichlorobenzene	49.9	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	296	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	6510 [a]	200	ug/l	
79-00-5	1,1,2-Trichloroethane	44.9	1.0	ug/l	
79-01-6	Trichloroethene	2100 [a]	200	ug/l	
75-69-4	Trichlorofluoromethane	35.6	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	125	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	50.0	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	15600 [a]	200	ug/l	
1330-20-7	Xylene (total)	2510 [a]	200	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	97%	111%	108%	70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-12I		
Lab Sample ID:	M83560-5	**Date Sampled:**	06/10/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
2037-26-5	Toluene-D8	98%	100%	103%	70-130%
460-00-4	4-Bromofluorobenzene	96%	109%	106%	70-130%

(a) Result is from Run# 2
(b) Result is from Run# 3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-31		
Lab Sample ID:	M83560-6	**Date Sampled:**	06/10/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E37362.D	1	06/16/09	SC	n/a	n/a	MSE1668
Run #2	M32794.D	500	06/18/09	SC	n/a	n/a	MSM1050
Run #3	M32797.D	2000	06/18/09	SC	n/a	n/a	MSM1050

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND [a]	2500	ug/l	
71-43-2	Benzene	8960 [a]	250	ug/l	
108-86-1	Bromobenzene	46.0	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	25.9	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	30.2	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	60.7	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	6320 [a]	500	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	32.1	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	3.2	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	4.6	2.0	ug/l	
75-34-3	1,1-Dichloroethane	3790 [a]	500	ug/l	
107-06-2	1,2-Dichloroethane	3670 [b]	2000	ug/l	
75-35-4	1,1-Dichloroethene	1440 [a]	500	ug/l	
156-59-2	cis-1,2-Dichloroethene	319000 [b]	2000	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-31		
Lab Sample ID:	M83560-6	**Date Sampled:**	06/10/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
156-60-5	trans-1,2-Dichloroethene	272	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	505 [a]	500	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	13.3	5.0	ug/l	
99-87-6	p-Isopropyltoluene	8.2	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND [a]	500	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	301	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	2280 [a]	1000	ug/l	
91-20-3	Naphthalene	62.2	5.0	ug/l	
103-65-1	n-Propylbenzene	17.9	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	2450 [a]	500	ug/l	
108-88-3	Toluene	4250 [a]	500	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	22.2	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	2580 [a]	500	ug/l	
79-00-5	1,1,2-Trichloroethane	123	1.0	ug/l	
79-01-6	Trichloroethene	6910 [a]	500	ug/l	
75-69-4	Trichlorofluoromethane	120	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	171	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	63.2	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	19600 [a]	500	ug/l	
1330-20-7	Xylene (total)	2290 [a]	500	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	91%	112%	110%	70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-31		
Lab Sample ID:	M83560-6	**Date Sampled:**	06/10/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
2037-26-5	Toluene-D8	104%	100%	100%	70-130%
460-00-4	4-Bromofluorobenzene	78%	109%	108%	70-130%

(a) Result is from Run# 2
(b) Result is from Run# 3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-28D		
Lab Sample ID:	M83560-7	**Date Sampled:**	06/10/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M32763.D	1	06/17/09	SC	n/a	n/a	MSM1049
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	5.5	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	1.7	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	3.2	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-28D		
Lab Sample ID:	M83560-7	**Date Sampled:**	06/10/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	3.5	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	1.8	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	1.2	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	111%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	110%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-28S		
Lab Sample ID:	M83560-8	**Date Sampled:**	06/10/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M32791.D	1	06/18/09	SC	n/a	n/a	MSM1050
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	8.5	5.0	ug/l	
71-43-2	Benzene	29.3	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	22.9	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	3.8	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	6.9	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	28.9	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.3	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-28S		
Lab Sample ID:	M83560-8	**Date Sampled:**	06/10/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	21.1	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	10.5	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	7.5	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	1.4	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	46.3	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	11.3	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	108%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SW-DOWNGRADIENT		
Lab Sample ID:	M83560-9	**Date Sampled:**	06/10/09
Matrix:	AQ - Surface Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M32764.D	1	06/17/09	SC	n/a	n/a	MSM1049
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SW-DOWNGRADIENT		
Lab Sample ID:	M83560-9	**Date Sampled:**	06/10/09
Matrix:	AQ - Surface Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		70-130%
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	108%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SW-UPGRADIENT		
Lab Sample ID:	M83560-10	**Date Sampled:**	06/10/09
Matrix:	AQ - Surface Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M32765.D	1	06/17/09	SC	n/a	n/a	MSM1049
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	11.3	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SW-UPGRADIENT		
Lab Sample ID:	M83560-10	**Date Sampled:**	06/10/09
Matrix:	AQ - Surface Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	108%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	M83560-11	**Date Sampled:**	06/05/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	E37349.D	1	06/15/09	SC	n/a	n/a	MSE1668
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	M83560-11	**Date Sampled:**	06/05/09
Matrix:	AQ - Trip Blank Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		70-130%
2037-26-5	Toluene-D8	102%		70-130%
460-00-4	4-Bromofluorobenzene	107%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-32		
Lab Sample ID:	M83560-12	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	M32766.D	1	06/17/09	SC	n/a	n/a	MSM1049
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	12.2	5.0	ug/l	
71-43-2	Benzene	67.6	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	85.2	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	4.9	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	7.2	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	11.3	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	2.7	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	3.3	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-32		
Lab Sample ID:	M83560-12	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	1.7	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	10.1	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	1.1	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	2.5	1.0	ug/l	
1330-20-7	Xylene (total)	4.6	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	108%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-32		
Lab Sample ID:	M83560-12	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q

(a) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PZ-1		
Lab Sample ID:	M83560-13	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M32790.D	1	06/18/09	SC	n/a	n/a	MSM1050
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PZ-1		
Lab Sample ID:	M83560-13		
Matrix:	AQ - Ground Water	**Date Sampled:**	06/09/09
Method:	SW846 8260B	**Date Received:**	06/12/09
Project:	42-14 19th Avenue, Astoria NY	**Percent Solids:**	n/a

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	1.3	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		70-130%
2037-26-5	Toluene-D8	101%		70-130%
460-00-4	4-Bromofluorobenzene	110%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	APMW-1	**Date Sampled:**	06/09/09
Lab Sample ID:	M83560-14	**Date Received:**	06/12/09
Matrix:	AQ - Ground Water	**Percent Solids:**	n/a
Method:	SW846 8260B		
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T11022.D	1	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	1.6	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	APMW-1		
Lab Sample ID:	M83560-14	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	3.0	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	2.5	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-16		
Lab Sample ID:	M83560-15	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T11023.D	1	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-16		
Lab Sample ID:	M83560-15	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	APMW-2		
Lab Sample ID:	M83560-16	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T11024.D	1	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	15.7	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	APMW-2		
Lab Sample ID:	M83560-16	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	3.9	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		70-130%
2037-26-5	Toluene-D8	95%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	M83560-17	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T11025.D	1	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	10.2	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	159	1.0	ug/l	
75-00-3	Chloroethane	2.9	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	1.8	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	7.3	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	14.5	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	M83560-17	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	4.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	96%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-19I		
Lab Sample ID:	M83560-18	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T11026.D	1	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	2.8	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	38.9	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-19I		
Lab Sample ID:	M83560-18	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	5.8	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	94%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-19S		
Lab Sample ID:	M83560-19	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	T11034.D	5	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	25	ug/l	
71-43-2	Benzene	ND	2.5	ug/l	
108-86-1	Bromobenzene	ND	25	ug/l	
74-97-5	Bromochloromethane	ND	25	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	ug/l	
75-25-2	Bromoform	ND	5.0	ug/l	
74-83-9	Bromomethane	ND	10	ug/l	
78-93-3	2-Butanone (MEK)	ND	25	ug/l	
104-51-8	n-Butylbenzene	ND	25	ug/l	
135-98-8	sec-Butylbenzene	ND	25	ug/l	
98-06-6	tert-Butylbenzene	ND	25	ug/l	
75-15-0	Carbon disulfide	ND	25	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	ug/l	
108-90-7	Chlorobenzene	ND	5.0	ug/l	
75-00-3	Chloroethane	ND	10	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	10	ug/l	
95-49-8	o-Chlorotoluene	ND	25	ug/l	
106-43-4	p-Chlorotoluene	ND	25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	ug/l	
75-34-3	1,1-Dichloroethane	21.0	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	528	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-19S		
Lab Sample ID:	M83560-19	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	25	ug/l	
563-58-6	1,1-Dichloropropene	ND	25	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	ug/l	
100-41-4	Ethylbenzene	ND	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	25	ug/l	
591-78-6	2-Hexanone	ND	25	ug/l	
74-88-4	Iodomethane	ND	25	ug/l	
98-82-8	Isopropylbenzene	ND	25	ug/l	
99-87-6	p-Isopropyltoluene	ND	25	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	25	ug/l	
74-95-3	Methylene bromide	ND	25	ug/l	
75-09-2	Methylene chloride	ND	10	ug/l	
91-20-3	Naphthalene	ND	25	ug/l	
103-65-1	n-Propylbenzene	ND	25	ug/l	
100-42-5	Styrene	ND	25	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	25	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/l	
127-18-4	Tetrachloroethene	16.9	5.0	ug/l	
108-88-3	Toluene	ND	5.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	25	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	ug/l	
79-01-6	Trichloroethene	38.0	5.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	25	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	25	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	25	ug/l	
108-05-4	Vinyl Acetate	ND	25	ug/l	
75-01-4	Vinyl chloride	18.9	5.0	ug/l	
1330-20-7	Xylene (total)	ND	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-19S		
Lab Sample ID:	M83560-19	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q

(a) Elevated RL due to dilution required for matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-29S		
Lab Sample ID:	M83560-20	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T11027.D	1	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	2.7	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	52.1	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-29S		
Lab Sample ID:	M83560-20	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	6.2	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-29D		
Lab Sample ID:	M83560-21	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T11028.D	1	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	0.61	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	3.4	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	5.9	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-29D		
Lab Sample ID:	M83560-21	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	42.1	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-33		
Lab Sample ID:	M83560-22	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T11029.D	1	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	1.0	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	4.6	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	1.1	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	9.1	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	129	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	2.1	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-33		
Lab Sample ID:	M83560-22	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	13.1	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	33.9	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	31.6	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	87.3	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	94%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-22S		
Lab Sample ID:	M83560-23	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T11030.D	1	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	0.65	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	2.6	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	1.1	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	5.4	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-22S		
Lab Sample ID:	M83560-23	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	24.2	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	92%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-30		
Lab Sample ID:	M83560-24	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T11031.D	1	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	0.88	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	1.4	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	12.1	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	4.5	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	196	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-30		
Lab Sample ID:	M83560-24	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	20.8	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	85.2	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	1.5	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	21.9	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	55.1	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-26		
Lab Sample ID:	M83560-25	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T11032.D	1	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	7.7	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	3.6	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	3.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-26		
Lab Sample ID:	M83560-25	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	4.9	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	1.2	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	92%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-25		
Lab Sample ID:	M83560-26	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T11033.D	1	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	1.2	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	5.1	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	2.4	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	8.5	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-25		
Lab Sample ID:	M83560-26	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	6.7	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	1.6	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	2.2	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	3.4	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		70-130%
2037-26-5	Toluene-D8	90%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-27		
Lab Sample ID:	M83560-27	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T11035.D	5	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	25	ug/l	
71-43-2	Benzene	142	2.5	ug/l	
108-86-1	Bromobenzene	ND	25	ug/l	
74-97-5	Bromochloromethane	ND	25	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	ug/l	
75-25-2	Bromoform	ND	5.0	ug/l	
74-83-9	Bromomethane	ND	10	ug/l	
78-93-3	2-Butanone (MEK)	ND	25	ug/l	
104-51-8	n-Butylbenzene	ND	25	ug/l	
135-98-8	sec-Butylbenzene	ND	25	ug/l	
98-06-6	tert-Butylbenzene	ND	25	ug/l	
75-15-0	Carbon disulfide	ND	25	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	ug/l	
108-90-7	Chlorobenzene	1410	5.0	ug/l	
75-00-3	Chloroethane	102	10	ug/l	
67-66-3	Chloroform	ND	5.0	ug/l	
74-87-3	Chloromethane	ND	10	ug/l	
95-49-8	o-Chlorotoluene	ND	25	ug/l	
106-43-4	p-Chlorotoluene	ND	25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	25	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	10	ug/l	
95-50-1	1,2-Dichlorobenzene	184	5.0	ug/l	
541-73-1	1,3-Dichlorobenzene	114	5.0	ug/l	
106-46-7	1,4-Dichlorobenzene	283	5.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	ug/l	
75-34-3	1,1-Dichloroethane	58.2	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	222	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-27		
Lab Sample ID:	M83560-27	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	25	ug/l	
594-20-7	2,2-Dichloropropane	ND	25	ug/l	
563-58-6	1,1-Dichloropropene	ND	25	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.5	ug/l	
100-41-4	Ethylbenzene	117	5.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	25	ug/l	
591-78-6	2-Hexanone	ND	25	ug/l	
74-88-4	Iodomethane	ND	25	ug/l	
98-82-8	Isopropylbenzene	ND	25	ug/l	
99-87-6	p-Isopropyltoluene	ND	25	ug/l	
1634-04-4	Methyl Tert Butyl Ether	38.8	5.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	25	ug/l	
74-95-3	Methylene bromide	ND	25	ug/l	
75-09-2	Methylene chloride	ND	10	ug/l	
91-20-3	Naphthalene	46.1	25	ug/l	
103-65-1	n-Propylbenzene	ND	25	ug/l	
100-42-5	Styrene	ND	25	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	25	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	ug/l	
127-18-4	Tetrachloroethene	ND	5.0	ug/l	
108-88-3	Toluene	69.3	5.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	25	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	ug/l	
79-01-6	Trichloroethene	ND	5.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	5.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	25	ug/l	
95-63-6	1,2,4-Trimethylbenzene	150	25	ug/l	
108-67-8	1,3,5-Trimethylbenzene	54.4	25	ug/l	
108-05-4	Vinyl Acetate	ND	25	ug/l	
75-01-4	Vinyl chloride	278	5.0	ug/l	
1330-20-7	Xylene (total)	378	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	97%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-35		
Lab Sample ID:	M83560-28	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T11036.D	10	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	50	ug/l	
71-43-2	Benzene	102	5.0	ug/l	
108-86-1	Bromobenzene	ND	50	ug/l	
74-97-5	Bromochloromethane	ND	50	ug/l	
75-27-4	Bromodichloromethane	ND	10	ug/l	
75-25-2	Bromoform	ND	10	ug/l	
74-83-9	Bromomethane	ND	20	ug/l	
78-93-3	2-Butanone (MEK)	ND	50	ug/l	
104-51-8	n-Butylbenzene	ND	50	ug/l	
135-98-8	sec-Butylbenzene	ND	50	ug/l	
98-06-6	tert-Butylbenzene	ND	50	ug/l	
75-15-0	Carbon disulfide	ND	50	ug/l	
56-23-5	Carbon tetrachloride	ND	10	ug/l	
108-90-7	Chlorobenzene	3250	10	ug/l	
75-00-3	Chloroethane	ND	20	ug/l	
67-66-3	Chloroform	ND	10	ug/l	
74-87-3	Chloromethane	ND	20	ug/l	
95-49-8	o-Chlorotoluene	ND	50	ug/l	
106-43-4	p-Chlorotoluene	ND	50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	50	ug/l	
124-48-1	Dibromochloromethane	ND	10	ug/l	
106-93-4	1,2-Dibromoethane	ND	20	ug/l	
95-50-1	1,2-Dichlorobenzene	69.4	10	ug/l	
541-73-1	1,3-Dichlorobenzene	72.7	10	ug/l	
106-46-7	1,4-Dichlorobenzene	102	10	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	ug/l	
75-35-4	1,1-Dichloroethene	ND	10	ug/l	
156-59-2	cis-1,2-Dichloroethene	24.5	10	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	10	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-35		
Lab Sample ID:	M83560-28	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	50	ug/l	
594-20-7	2,2-Dichloropropane	ND	50	ug/l	
563-58-6	1,1-Dichloropropene	ND	50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	ug/l	
100-41-4	Ethylbenzene	85.7	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	50	ug/l	
591-78-6	2-Hexanone	ND	50	ug/l	
74-88-4	Iodomethane	ND	50	ug/l	
98-82-8	Isopropylbenzene	ND	50	ug/l	
99-87-6	p-Isopropyltoluene	ND	50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	32.0	10	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	50	ug/l	
74-95-3	Methylene bromide	ND	50	ug/l	
75-09-2	Methylene chloride	ND	20	ug/l	
91-20-3	Naphthalene	ND	50	ug/l	
103-65-1	n-Propylbenzene	ND	50	ug/l	
100-42-5	Styrene	ND	50	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	ug/l	
127-18-4	Tetrachloroethene	ND	10	ug/l	
108-88-3	Toluene	17.5	10	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	ug/l	
79-01-6	Trichloroethene	ND	10	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	137	50	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	50	ug/l	
108-05-4	Vinyl Acetate	ND	50	ug/l	
75-01-4	Vinyl chloride	24.7	10	ug/l	
1330-20-7	Xylene (total)	163	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	98%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-36		
Lab Sample ID:	M83560-29	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T11037.D	2	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	10	ug/l	
71-43-2	Benzene	326	1.0	ug/l	
108-86-1	Bromobenzene	ND	10	ug/l	
74-97-5	Bromochloromethane	ND	10	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	ug/l	
75-25-2	Bromoform	ND	2.0	ug/l	
74-83-9	Bromomethane	ND	4.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	ug/l	
104-51-8	n-Butylbenzene	ND	10	ug/l	
135-98-8	sec-Butylbenzene	ND	10	ug/l	
98-06-6	tert-Butylbenzene	ND	10	ug/l	
75-15-0	Carbon disulfide	ND	10	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	ug/l	
108-90-7	Chlorobenzene	449	2.0	ug/l	
75-00-3	Chloroethane	ND	4.0	ug/l	
67-66-3	Chloroform	ND	2.0	ug/l	
74-87-3	Chloromethane	ND	4.0	ug/l	
95-49-8	o-Chlorotoluene	ND	10	ug/l	
106-43-4	p-Chlorotoluene	ND	10	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	4.0	ug/l	
95-50-1	1,2-Dichlorobenzene	18.7	2.0	ug/l	
541-73-1	1,3-Dichlorobenzene	25.0	2.0	ug/l	
106-46-7	1,4-Dichlorobenzene	28.3	2.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	4.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	2.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	2.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	2.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	4.0	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-36		
Lab Sample ID:	M83560-29	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	10	ug/l	
594-20-7	2,2-Dichloropropane	ND	10	ug/l	
563-58-6	1,1-Dichloropropene	ND	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	ug/l	
100-41-4	Ethylbenzene	25.3	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	ug/l	
591-78-6	2-Hexanone	ND	10	ug/l	
74-88-4	Iodomethane	ND	10	ug/l	
98-82-8	Isopropylbenzene	ND	10	ug/l	
99-87-6	p-Isopropyltoluene	ND	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	23.5	2.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	10	ug/l	
74-95-3	Methylene bromide	ND	10	ug/l	
75-09-2	Methylene chloride	ND	4.0	ug/l	
91-20-3	Naphthalene	ND	10	ug/l	
103-65-1	n-Propylbenzene	ND	10	ug/l	
100-42-5	Styrene	ND	10	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	10	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	ug/l	
127-18-4	Tetrachloroethene	ND	2.0	ug/l	
108-88-3	Toluene	4.0	2.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	ug/l	
79-01-6	Trichloroethene	ND	2.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	10	ug/l	
95-63-6	1,2,4-Trimethylbenzene	21.3	10	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	10	ug/l	
108-05-4	Vinyl Acetate	ND	10	ug/l	
75-01-4	Vinyl chloride	ND	2.0	ug/l	
1330-20-7	Xylene (total)	113	2.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		70-130%
2037-26-5	Toluene-D8	97%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-20S		
Lab Sample ID:	M83560-30	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	T11038.D	50	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	250	ug/l	
71-43-2	Benzene	233	25	ug/l	
108-86-1	Bromobenzene	ND	250	ug/l	
74-97-5	Bromochloromethane	ND	250	ug/l	
75-27-4	Bromodichloromethane	ND	50	ug/l	
75-25-2	Bromoform	ND	50	ug/l	
74-83-9	Bromomethane	ND	100	ug/l	
78-93-3	2-Butanone (MEK)	ND	250	ug/l	
104-51-8	n-Butylbenzene	ND	250	ug/l	
135-98-8	sec-Butylbenzene	ND	250	ug/l	
98-06-6	tert-Butylbenzene	ND	250	ug/l	
75-15-0	Carbon disulfide	ND	250	ug/l	
56-23-5	Carbon tetrachloride	ND	50	ug/l	
108-90-7	Chlorobenzene	326	50	ug/l	
75-00-3	Chloroethane	ND	100	ug/l	
67-66-3	Chloroform	ND	50	ug/l	
74-87-3	Chloromethane	ND	100	ug/l	
95-49-8	o-Chlorotoluene	ND	250	ug/l	
106-43-4	p-Chlorotoluene	ND	250	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	ug/l	
124-48-1	Dibromochloromethane	ND	50	ug/l	
106-93-4	1,2-Dibromoethane	ND	100	ug/l	
95-50-1	1,2-Dichlorobenzene	219	50	ug/l	
541-73-1	1,3-Dichlorobenzene	60.9	50	ug/l	
106-46-7	1,4-Dichlorobenzene	365	50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	100	ug/l	
75-34-3	1,1-Dichloroethane	69.9	50	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	ug/l	
75-35-4	1,1-Dichloroethene	ND	50	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-20S		
Lab Sample ID:	M83560-30	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	250	ug/l	
594-20-7	2,2-Dichloropropane	ND	250	ug/l	
563-58-6	1,1-Dichloropropene	ND	250	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	ug/l	
100-41-4	Ethylbenzene	407	50	ug/l	
87-68-3	Hexachlorobutadiene	ND	250	ug/l	
591-78-6	2-Hexanone	ND	250	ug/l	
74-88-4	Iodomethane	ND	250	ug/l	
98-82-8	Isopropylbenzene	ND	250	ug/l	
99-87-6	p-Isopropyltoluene	ND	250	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	ug/l	
74-95-3	Methylene bromide	ND	250	ug/l	
75-09-2	Methylene chloride	ND	100	ug/l	
91-20-3	Naphthalene	ND	250	ug/l	
103-65-1	n-Propylbenzene	ND	250	ug/l	
100-42-5	Styrene	ND	250	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	250	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	ug/l	
127-18-4	Tetrachloroethene	ND	50	ug/l	
108-88-3	Toluene	1100	50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	250	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	250	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	ug/l	
79-01-6	Trichloroethene	ND	50	ug/l	
75-69-4	Trichlorofluoromethane	ND	50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	250	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	250	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	250	ug/l	
108-05-4	Vinyl Acetate	ND	250	ug/l	
75-01-4	Vinyl chloride	ND	50	ug/l	
1330-20-7	Xylene (total)	1580	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	99%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-20S		
Lab Sample ID:	M83560-30	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q

(a) Elevated RL due to dilution required for matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-20D		
Lab Sample ID:	M83560-31	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	T11039.D	50	06/17/09	AT	n/a	n/a	MST394
Run #2	T11072.D	250	06/18/09	AT	n/a	n/a	MST395

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	250	ug/l	
71-43-2	Benzene	1650	25	ug/l	
108-86-1	Bromobenzene	ND	250	ug/l	
74-97-5	Bromochloromethane	ND	250	ug/l	
75-27-4	Bromodichloromethane	ND	50	ug/l	
75-25-2	Bromoform	ND	50	ug/l	
74-83-9	Bromomethane	ND	100	ug/l	
78-93-3	2-Butanone (MEK)	ND	250	ug/l	
104-51-8	n-Butylbenzene	ND	250	ug/l	
135-98-8	sec-Butylbenzene	ND	250	ug/l	
98-06-6	tert-Butylbenzene	ND	250	ug/l	
75-15-0	Carbon disulfide	ND	250	ug/l	
56-23-5	Carbon tetrachloride	ND	50	ug/l	
108-90-7	Chlorobenzene	233	50	ug/l	
75-00-3	Chloroethane	ND	100	ug/l	
67-66-3	Chloroform	ND	50	ug/l	
74-87-3	Chloromethane	ND	100	ug/l	
95-49-8	o-Chlorotoluene	ND	250	ug/l	
106-43-4	p-Chlorotoluene	ND	250	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	ug/l	
124-48-1	Dibromochloromethane	ND	50	ug/l	
106-93-4	1,2-Dibromoethane	ND	100	ug/l	
95-50-1	1,2-Dichlorobenzene	158	50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	50	ug/l	
106-46-7	1,4-Dichlorobenzene	349	50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	100	ug/l	
75-34-3	1,1-Dichloroethane	2380	50	ug/l	
107-06-2	1,2-Dichloroethane	141	50	ug/l	
75-35-4	1,1-Dichloroethene	171	50	ug/l	
156-59-2	cis-1,2-Dichloroethene	40800 [a]	250	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-20D		
Lab Sample ID:	M83560-31	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	250	ug/l	
594-20-7	2,2-Dichloropropane	ND	250	ug/l	
563-58-6	1,1-Dichloropropene	ND	250	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	ug/l	
100-41-4	Ethylbenzene	601	50	ug/l	
87-68-3	Hexachlorobutadiene	ND	250	ug/l	
591-78-6	2-Hexanone	ND	250	ug/l	
74-88-4	Iodomethane	ND	250	ug/l	
98-82-8	Isopropylbenzene	ND	250	ug/l	
99-87-6	p-Isopropyltoluene	ND	250	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	ug/l	
74-95-3	Methylene bromide	ND	250	ug/l	
75-09-2	Methylene chloride	ND	100	ug/l	
91-20-3	Naphthalene	ND	250	ug/l	
103-65-1	n-Propylbenzene	ND	250	ug/l	
100-42-5	Styrene	ND	250	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	250	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	ug/l	
127-18-4	Tetrachloroethene	ND	50	ug/l	
108-88-3	Toluene	1460	50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	250	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	250	ug/l	
71-55-6	1,1,1-Trichloroethane	454	50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	ug/l	
79-01-6	Trichloroethene	ND	50	ug/l	
75-69-4	Trichlorofluoromethane	ND	50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	250	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	250	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	250	ug/l	
108-05-4	Vinyl Acetate	ND	250	ug/l	
75-01-4	Vinyl chloride	3900	50	ug/l	
1330-20-7	Xylene (total)	2550	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	102%	70-130%
2037-26-5	Toluene-D8	98%	98%	70-130%
460-00-4	4-Bromofluorobenzene	100%	102%	70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-20D		
Lab Sample ID:	M83560-31	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-24		
Lab Sample ID:	M83560-32	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	T11040.D	50	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	250	ug/l	
71-43-2	Benzene	105	25	ug/l	
108-86-1	Bromobenzene	ND	250	ug/l	
74-97-5	Bromochloromethane	ND	250	ug/l	
75-27-4	Bromodichloromethane	ND	50	ug/l	
75-25-2	Bromoform	ND	50	ug/l	
74-83-9	Bromomethane	ND	100	ug/l	
78-93-3	2-Butanone (MEK)	ND	250	ug/l	
104-51-8	n-Butylbenzene	ND	250	ug/l	
135-98-8	sec-Butylbenzene	ND	250	ug/l	
98-06-6	tert-Butylbenzene	ND	250	ug/l	
75-15-0	Carbon disulfide	ND	250	ug/l	
56-23-5	Carbon tetrachloride	ND	50	ug/l	
108-90-7	Chlorobenzene	90.7	50	ug/l	
75-00-3	Chloroethane	ND	100	ug/l	
67-66-3	Chloroform	ND	50	ug/l	
74-87-3	Chloromethane	ND	100	ug/l	
95-49-8	o-Chlorotoluene	ND	250	ug/l	
106-43-4	p-Chlorotoluene	ND	250	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	ug/l	
124-48-1	Dibromochloromethane	ND	50	ug/l	
106-93-4	1,2-Dibromoethane	ND	100	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	100	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	ug/l	
75-35-4	1,1-Dichloroethene	ND	50	ug/l	
156-59-2	cis-1,2-Dichloroethene	89.5	50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-24		
Lab Sample ID:	M83560-32	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	250	ug/l	
594-20-7	2,2-Dichloropropane	ND	250	ug/l	
563-58-6	1,1-Dichloropropene	ND	250	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	ug/l	
100-41-4	Ethylbenzene	ND	50	ug/l	
87-68-3	Hexachlorobutadiene	ND	250	ug/l	
591-78-6	2-Hexanone	ND	250	ug/l	
74-88-4	Iodomethane	ND	250	ug/l	
98-82-8	Isopropylbenzene	ND	250	ug/l	
99-87-6	p-Isopropyltoluene	ND	250	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	ug/l	
74-95-3	Methylene bromide	ND	250	ug/l	
75-09-2	Methylene chloride	ND	100	ug/l	
91-20-3	Naphthalene	ND	250	ug/l	
103-65-1	n-Propylbenzene	ND	250	ug/l	
100-42-5	Styrene	ND	250	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	250	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	ug/l	
127-18-4	Tetrachloroethene	ND	50	ug/l	
108-88-3	Toluene	ND	50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	250	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	250	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	ug/l	
79-01-6	Trichloroethene	ND	50	ug/l	
75-69-4	Trichlorofluoromethane	ND	50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	250	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	250	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	250	ug/l	
108-05-4	Vinyl Acetate	ND	250	ug/l	
75-01-4	Vinyl chloride	ND	50	ug/l	
1330-20-7	Xylene (total)	ND	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		70-130%
2037-26-5	Toluene-D8	98%		70-130%
460-00-4	4-Bromofluorobenzene	100%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-24		
Lab Sample ID:	M83560-32	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q

(a) Elevated RL due to dilution required for matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	M83560-33	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	T11041.D	50	06/17/09	AT	n/a	n/a	MST394
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	250	ug/l	
71-43-2	Benzene	ND	25	ug/l	
108-86-1	Bromobenzene	ND	250	ug/l	
74-97-5	Bromochloromethane	ND	250	ug/l	
75-27-4	Bromodichloromethane	ND	50	ug/l	
75-25-2	Bromoform	ND	50	ug/l	
74-83-9	Bromomethane	ND	100	ug/l	
78-93-3	2-Butanone (MEK)	ND	250	ug/l	
104-51-8	n-Butylbenzene	ND	250	ug/l	
135-98-8	sec-Butylbenzene	ND	250	ug/l	
98-06-6	tert-Butylbenzene	ND	250	ug/l	
75-15-0	Carbon disulfide	ND	250	ug/l	
56-23-5	Carbon tetrachloride	ND	50	ug/l	
108-90-7	Chlorobenzene	ND	50	ug/l	
75-00-3	Chloroethane	ND	100	ug/l	
67-66-3	Chloroform	ND	50	ug/l	
74-87-3	Chloromethane	ND	100	ug/l	
95-49-8	o-Chlorotoluene	ND	250	ug/l	
106-43-4	p-Chlorotoluene	ND	250	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	250	ug/l	
124-48-1	Dibromochloromethane	ND	50	ug/l	
106-93-4	1,2-Dibromoethane	ND	100	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	100	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	ug/l	
75-35-4	1,1-Dichloroethene	ND	50	ug/l	
156-59-2	cis-1,2-Dichloroethene	230	50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	50	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	ug/l	

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	M83560-33	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q
142-28-9	1,3-Dichloropropane	ND	250	ug/l	
594-20-7	2,2-Dichloropropane	ND	250	ug/l	
563-58-6	1,1-Dichloropropene	ND	250	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	25	ug/l	
100-41-4	Ethylbenzene	ND	50	ug/l	
87-68-3	Hexachlorobutadiene	ND	250	ug/l	
591-78-6	2-Hexanone	ND	250	ug/l	
74-88-4	Iodomethane	ND	250	ug/l	
98-82-8	Isopropylbenzene	ND	250	ug/l	
99-87-6	p-Isopropyltoluene	ND	250	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	250	ug/l	
74-95-3	Methylene bromide	ND	250	ug/l	
75-09-2	Methylene chloride	ND	100	ug/l	
91-20-3	Naphthalene	ND	250	ug/l	
103-65-1	n-Propylbenzene	ND	250	ug/l	
100-42-5	Styrene	ND	250	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	250	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	ug/l	
127-18-4	Tetrachloroethene	ND	50	ug/l	
108-88-3	Toluene	ND	50	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	250	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	250	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	ug/l	
79-01-6	Trichloroethene	71.5	50	ug/l	
75-69-4	Trichlorofluoromethane	ND	50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	250	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	250	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	250	ug/l	
108-05-4	Vinyl Acetate	ND	250	ug/l	
75-01-4	Vinyl chloride	113	50	ug/l	
1330-20-7	Xylene (total)	ND	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		70-130%
2037-26-5	Toluene-D8	99%		70-130%
460-00-4	4-Bromofluorobenzene	101%		70-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-5		
Lab Sample ID:	M83560-33	**Date Sampled:**	06/09/09
Matrix:	AQ - Ground Water	**Date Received:**	06/12/09
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

VOA 8260 List

CAS No.	Compound	Result	RL	Units	Q

(a) Elevated RL due to dilution required for matrix interference.

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Certification Exceptions (NY)
- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST Laboratories

405 TECHNOLOGY CENTER WEST • BUILDING ONE
MARLBOROUGH, MA 01752
TEL: 508-481-6200 • FAX: 508-481-7753

ACCUTEST JOB #: M83560
ACCUTEST QUOTE #:

CLIENT INFORMATION
NAME: Triumvirate Environmental
ADDRESS: 61 Innerbelt Rd
CITY: Somerville STATE: MA ZIP: 02143
SEND REPORT TO: CSussx@triumvirate.com
PHONE #: 800-906-9282

FACILITY INFORMATION
PROJECT NAME: Triumvirate Environmental (NY)
LOCATION: 92-14 19th Avenue Astoria NY Job # 750
PROJECT NO.:
FAX #:

ANALYTICAL INFORMATION
VOC 8260 B

MATRIX CODES
DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE # M83560	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	LAB USE ONLY
-1	MW-34	6-9	355	JDB	GW	2	X					X
-2	MW-13S	6-10	1020				X					X
-3	MW-23R		1000				X					X
-4	MW-12S		915				X					X
-5	MW-12I		900				X					X
-6	MW-31		925				X					X
-7	MW-28D		1100				X					X
-8	MW-28S		1045		↓		X					X
-9	SW-Downgradient		1230		SW		X					X
-10	SW-Upgradient	↓	130	↓	SW	↓	X					X
-11	Trip Blank	6/5/09	—	—	—	2	X					X

DATA TURNAROUND INFORMATION
- ☐ 14 DAYS STANDARD — APPROVED BY:
- ☐ 7 DAYS *RUSH*
- ☐ 48 HOUR EMERGENCY
- ☒ OTHER 5 days per contract

14 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION
- ☐ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS
SW - Storm water
1 of 3 Lot 386, 387
* DATE OF CASE 6/10/09

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	6/11/09 5:00	1. TEJ Fridge	2.	6/12/09 11:45	2.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.	6/12/09 1530	3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☑
5.		5.			TEMPERATURE 1.7 C

M83560: Chain of Custody
Page 1 of 3

ACCUTEST Laboratories

CHAIN OF CUSTODY

495 TECHNOLOGY CENTER WEST • BUILDING ONE
MARLBOROUGH, MA 01752
TEL: 508-481-6200 • FAX: 508-481-7753

ACCUTEST JOB #: M83560
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Triumvirate Environmental
ADDRESS: 61 Innerbelt Rd
CITY: Somerville STATE: MA ZIP: 02143
SEND REPORT TO: CSasse@triumvirate.com
PHONE #: 800-966-9282

FACILITY INFORMATION

PROJECT NAME: Triumvirate Environmental (NY
LOCATION: 42-14 19th Avenue Astoria, NY Job # 750
PROJECT NO.:
FAX #:

ANALYTICAL INFORMATION

VOC 8260B

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	VOC 8260B	LAB USE ONLY
M83560 -12	MW-32	6-9-09	1220	JFB	GW	2	X					X	
-13	PZ-1		1245			1	X					X	
-14	APMW-1		1230				X					X	
-15	MW-16		100				X					X	
-16	APMW-2		200				X					X	
-17	MW-6		215				X					X	
-18	MW-19I		275				X					X	
-19	MW-19S		300				X					X	
-20	MW-29S		315				X					X	
-21	MW-29I		325				X					X	
-22	MW-33	↓	345	↓	↓	↓	X					X	

DATA TURNAROUND INFORMATION

- ☐ 14 DAYS STANDARD — APPROVED BY:
- ☐ 7 DAYS *RUSH*
- ☐ 48 HOUR EMERGENCY
- ☒ OTHER 5-day — per contract

14 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☒ STANDARD (5-day)
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☒ OTHER (SPECIFY) email

COMMENTS/REMARKS

2 of 3

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	6/11/09 5:00AM	1. TEI Fridge	2.	6/11/09 5:00PM	2.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
3.	6/11/09 1530	3.	4.		4.
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐	TEMPERATURE ____ C
5.		5.				

M83560: Chain of Custody
Page 2 of 3

CHAIN OF CUSTODY

ACCUTEST Laboratories

495 TECHNOLOGY CENTER WEST • BUILDING ONE
MARLBOROUGH, MA 01752
TEL: 508-481-6200 • FAX: 508-481-7753

ACCUTEST JOB #: M83560
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: Trivmvrate Environmental
ADDRESS: 61 Innerbelt Road
CITY: Somerville STATE: MA ZIP: 02324
SEND REPORT TO: csusse@trivmvirate.com
PHONE #:

FACILITY INFORMATION

PROJECT NAME: Trivmvrate Environmental (NY)
LOCATION: 42-14 19th Avenue, Astoria, NY Job # 750
PROJECT NO.:
FAX #:

ANALYTICAL INFORMATION

VOC 8260B

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE # M83560	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	VOC 8260B	LAB USE ONLY
-23	MW-22S	6-9-09	930	JFB	GW	2	X					X	
-24	MW-30		945	JFB			X					X	
-25	MW-26		1100	JFB			X					X	
-26	MW-25		100	JFB			X					X	
-27	MW-27		1015	JFB			X					X	
-28	MW-35		1030	KH			X					X	
-29	MW-36		1030	JFB			X					X	
-30	MW-20S		1105	JFB			X					X	
-31	MW-20D		1120	JFB			X					X	
-32	MW-24		1130	JFB			X					X	
-33	MW-5	↓	1205	JFB	↓	↓	X					X	

DATA TURNAROUND INFORMATION

- ☐ 14 DAYS STANDARD
- ☐ 7 DAYS *RUSH*
- ☐ 48 HOUR EMERGENCY
- ☒ OTHER 5-day per contract

APPROVED BY:

14 DAY TURNAROUND HARDCOPY. EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☒ STANDARD (5-day)
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☒ OTHER (SPECIFY) email

COMMENTS/REMARKS

3 of 3

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1.	DATE/TIME: 6/11/09 5:30pm	RECEIVED BY: 1. TEJ FRidge	RELINQUISHED BY: 2.	DATE/TIME: 6/12/09 11:45	RECEIVED BY: 2. Will Cahill
RELINQUISHED BY: 3. Will Cahill	DATE/TIME: 6/11/09 1530	RECEIVED BY: 3. Will Cahill	RELINQUISHED BY: 4.	DATE/TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE/TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE ____ C

4.1.4

M83560: Chain of Custody
Page 3 of 3

GC/MS Volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSE1668-MB	E37348.D	1	06/15/09	SC	n/a	n/a	MSE1668

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-1, M83560-5, M83560-6, M83560-11

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	

Method Blank Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSE1668-MB	E37348.D	1	06/15/09	SC	n/a	n/a	MSE1668

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-1, M83560-5, M83560-6, M83560-11

CAS No.	Compound	Result	RL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	70-130%
2037-26-5	Toluene-D8	101%	70-130%

Method Blank Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSE1668-MB	E37348.D	1	06/15/09	SC	n/a	n/a	MSE1668

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-1, M83560-5, M83560-6, M83560-11

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	102%	70-130%

Method Blank Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MST394-MB	T11021.D	1	06/17/09	AT	n/a	n/a	MST394

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-14, M83560-15, M83560-16, M83560-17, M83560-18, M83560-19, M83560-20, M83560-21, M83560-22, M83560-23, M83560-24, M83560-25, M83560-26, M83560-27, M83560-28, M83560-29, M83560-30, M83560-31, M83560-32, M83560-33

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	

Method Blank Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MST394-MB	T11021.D	1	06/17/09	AT	n/a	n/a	MST394

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-14, M83560-15, M83560-16, M83560-17, M83560-18, M83560-19, M83560-20, M83560-21, M83560-22, M83560-23, M83560-24, M83560-25, M83560-26, M83560-27, M83560-28, M83560-29, M83560-30, M83560-31, M83560-32, M83560-33

CAS No.	Compound	Result	RL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	70-130%
2037-26-5	Toluene-D8	100%	70-130%

Method Blank Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MST394-MB	T11021.D	1	06/17/09	AT	n/a	n/a	MST394

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-14, M83560-15, M83560-16, M83560-17, M83560-18, M83560-19, M83560-20, M83560-21, M83560-22, M83560-23, M83560-24, M83560-25, M83560-26, M83560-27, M83560-28, M83560-29, M83560-30, M83560-31, M83560-32, M83560-33

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	100%	70-130%

Method Blank Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1049-MB	M32759.D	1	06/17/09	SC	n/a	n/a	MSM1049

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-2, M83560-3, M83560-4, M83560-7, M83560-9, M83560-10, M83560-12

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	

Method Blank Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1049-MB	M32759.D	1	06/17/09	SC	n/a	n/a	MSM1049

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-2, M83560-3, M83560-4, M83560-7, M83560-9, M83560-10, M83560-12

CAS No.	Compound	Result	RL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	110%	70-130%
2037-26-5	Toluene-D8	100%	70-130%

Method Blank Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1049-MB	M32759.D	1	06/17/09	SC	n/a	n/a	MSM1049

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-2, M83560-3, M83560-4, M83560-7, M83560-9, M83560-10, M83560-12

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	110%	70-130%

Method Blank Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MST395-MB	T11049.D	1	06/18/09	AT	n/a	n/a	MST395

The QC reported here applies to the following samples:

M83560-31

Method: SW846 8260B

CAS No.	Compound	Result	RL	Units	Q
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	70-130%
2037-26-5	Toluene-D8	98%	70-130%
460-00-4	4-Bromofluorobenzene	100%	70-130%

5.1.4

Method Blank Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1050-MB	M32789.D	1	06/18/09	SC	n/a	n/a	MSM1050

5.1.5

5

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-1, M83560-5, M83560-6, M83560-8, M83560-13

CAS No.	Compound	Result	RL	Units	Q
67-64-1	Acetone	ND	5.0	ug/l	
71-43-2	Benzene	ND	0.50	ug/l	
108-86-1	Bromobenzene	ND	5.0	ug/l	
74-97-5	Bromochloromethane	ND	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	ug/l	
75-25-2	Bromoform	ND	1.0	ug/l	
74-83-9	Bromomethane	ND	2.0	ug/l	
78-93-3	2-Butanone (MEK)	ND	5.0	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	ug/l	
75-15-0	Carbon disulfide	ND	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	ug/l	
108-90-7	Chlorobenzene	ND	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	ug/l	
67-66-3	Chloroform	ND	1.0	ug/l	
74-87-3	Chloromethane	ND	2.0	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	ug/l	
563-58-6	1,1-Dichloropropene	ND	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ug/l	

Method Blank Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1050-MB	M32789.D	1	06/18/09	SC	n/a	n/a	MSM1050

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-1, M83560-5, M83560-6, M83560-8, M83560-13

CAS No.	Compound	Result	RL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	ug/l	
591-78-6	2-Hexanone	ND	5.0	ug/l	
74-88-4	Iodomethane	ND	5.0	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone (MIBK)	ND	5.0	ug/l	
74-95-3	Methylene bromide	ND	5.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	ug/l	
91-20-3	Naphthalene	ND	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	ug/l	
100-42-5	Styrene	ND	5.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	ug/l	
108-88-3	Toluene	ND	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	ug/l	
79-01-6	Trichloroethene	ND	1.0	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	5.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	ug/l	
108-05-4	Vinyl Acetate	ND	5.0	ug/l	
75-01-4	Vinyl chloride	ND	1.0	ug/l	
1330-20-7	Xylene (total)	ND	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	110%	70-130%
2037-26-5	Toluene-D8	101%	70-130%

Method Blank Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1050-MB	M32789.D	1	06/18/09	SC	n/a	n/a	MSM1050

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-1, M83560-5, M83560-6, M83560-8, M83560-13

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	110%	70-130%

Blank Spike Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSE1668-BS	E37346.D	1	06/15/09	SC	n/a	n/a	MSE1668

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-1, M83560-5, M83560-6, M83560-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	50	177	354* [a]	70-130
71-43-2	Benzene	50	47.9	96	70-130
108-86-1	Bromobenzene	50	48.8	98	70-130
74-97-5	Bromochloromethane	50	47.6	95	70-130
75-27-4	Bromodichloromethane	50	49.3	99	70-130
75-25-2	Bromoform	50	48.2	96	70-130
74-83-9	Bromomethane	50	52.8	106	70-130
78-93-3	2-Butanone (MEK)	50	120	240* [a]	70-130
104-51-8	n-Butylbenzene	50	51.4	103	70-130
135-98-8	sec-Butylbenzene	50	54.8	110	70-130
98-06-6	tert-Butylbenzene	50	53.2	106	70-130
75-15-0	Carbon disulfide	50	48.4	97	70-130
56-23-5	Carbon tetrachloride	50	49.7	99	70-130
108-90-7	Chlorobenzene	50	46.8	94	70-130
75-00-3	Chloroethane	50	57.3	115	70-130
67-66-3	Chloroform	50	47.5	95	70-130
74-87-3	Chloromethane	50	56.9	114	70-130
95-49-8	o-Chlorotoluene	50	50.0	100	70-130
106-43-4	p-Chlorotoluene	50	51.0	102	70-130
96-12-8	1,2-Dibromo-3-chloropropane	50	59.2	118	70-130
124-48-1	Dibromochloromethane	50	48.6	97	70-130
106-93-4	1,2-Dibromoethane	50	44.5	89	70-130
95-50-1	1,2-Dichlorobenzene	50	44.2	88	70-130
541-73-1	1,3-Dichlorobenzene	50	46.1	92	70-130
106-46-7	1,4-Dichlorobenzene	50	44.3	89	70-130
75-71-8	Dichlorodifluoromethane	50	48.7	97	70-130
75-34-3	1,1-Dichloroethane	50	48.4	97	70-130
107-06-2	1,2-Dichloroethane	50	48.4	97	70-130
75-35-4	1,1-Dichloroethene	50	46.2	92	70-130
156-59-2	cis-1,2-Dichloroethene	50	51.8	104	70-130
156-60-5	trans-1,2-Dichloroethene	50	48.6	97	70-130
78-87-5	1,2-Dichloropropane	50	47.8	96	70-130
142-28-9	1,3-Dichloropropane	50	46.2	92	70-130
594-20-7	2,2-Dichloropropane	50	56.7	113	70-130
563-58-6	1,1-Dichloropropene	50	50.9	102	70-130
10061-01-5	cis-1,3-Dichloropropene	50	49.7	99	70-130

Blank Spike Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSE1668-BS	E37346.D	1	06/15/09	SC	n/a	n/a	MSE1668

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-1, M83560-5, M83560-6, M83560-11

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
10061-02-6	trans-1,3-Dichloropropene	50	51.6	103	70-130
100-41-4	Ethylbenzene	50	52.9	106	70-130
87-68-3	Hexachlorobutadiene	50	53.7	107	70-130
591-78-6	2-Hexanone	50	80.2	160* [a]	70-130
74-88-4	Iodomethane	50	50.6	101	70-130
98-82-8	Isopropylbenzene	50	54.4	109	70-130
99-87-6	p-Isopropyltoluene	50	50.3	101	70-130
1634-04-4	Methyl Tert Butyl Ether	50	52.2	104	70-130
108-10-1	4-Methyl-2-pentanone (MIBK)	50	60.2	120	70-130
74-95-3	Methylene bromide	50	48.8	98	70-130
75-09-2	Methylene chloride	50	48.3	97	70-130
91-20-3	Naphthalene	50	40.9	82	70-130
103-65-1	n-Propylbenzene	50	53.0	106	70-130
100-42-5	Styrene	50	51.6	103	70-130
630-20-6	1,1,1,2-Tetrachloroethane	50	47.0	94	70-130
79-34-5	1,1,2,2-Tetrachloroethane	50	47.3	95	70-130
127-18-4	Tetrachloroethene	50	49.6	99	70-130
108-88-3	Toluene	50	49.3	99	70-130
87-61-6	1,2,3-Trichlorobenzene	50	42.1	84	70-130
120-82-1	1,2,4-Trichlorobenzene	50	45.8	92	70-130
71-55-6	1,1,1-Trichloroethane	50	55.0	110	70-130
79-00-5	1,1,2-Trichloroethane	50	47.4	95	70-130
79-01-6	Trichloroethene	50	48.9	98	70-130
75-69-4	Trichlorofluoromethane	50	48.8	98	70-130
96-18-4	1,2,3-Trichloropropane	50	48.1	96	70-130
95-63-6	1,2,4-Trimethylbenzene	50	51.3	103	70-130
108-67-8	1,3,5-Trimethylbenzene	50	53.8	108	70-130
108-05-4	Vinyl Acetate	50	38.5	77	70-130
75-01-4	Vinyl chloride	50	54.6	109	70-130
1330-20-7	Xylene (total)	150	158	105	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	70-130%
2037-26-5	Toluene-D8	101%	70-130%

Blank Spike Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSE1668-BS	E37346.D	1	06/15/09	SC	n/a	n/a	MSE1668

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-1, M83560-5, M83560-6, M83560-11

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	101%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.

Blank Spike/Blank Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MST394-BS	T11018.D	1	06/17/09	AT	n/a	n/a	MST394
MST394-BSD	T11019.D	1	06/17/09	AT	n/a	n/a	MST394

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-14, M83560-15, M83560-16, M83560-17, M83560-18, M83560-19, M83560-20, M83560-21, M83560-22, M83560-23, M83560-24, M83560-25, M83560-26, M83560-27, M83560-28, M83560-29, M83560-30, M83560-31, M83560-32, M83560-33

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	194	388* [a]	194	388* [a]	0	70-130/25
71-43-2	Benzene	50	52.0	104	54.2	108	4	70-130/25
108-86-1	Bromobenzene	50	49.1	98	51.5	103	5	70-130/25
74-97-5	Bromochloromethane	50	50.3	101	52.4	105	4	70-130/25
75-27-4	Bromodichloromethane	50	48.4	97	50.1	100	3	70-130/25
75-25-2	Bromoform	50	41.3	83	43.5	87	5	70-130/25
74-83-9	Bromomethane	50	42.9	86	45.4	91	6	70-130/25
78-93-3	2-Butanone (MEK)	50	108	216* [a]	106	212* [a]	2	70-130/25
104-51-8	n-Butylbenzene	50	52.2	104	54.2	108	4	70-130/25
135-98-8	sec-Butylbenzene	50	51.7	103	53.7	107	4	70-130/25
98-06-6	tert-Butylbenzene	50	49.7	99	51.6	103	4	70-130/25
75-15-0	Carbon disulfide	50	55.8	112	58.6	117	5	70-130/25
56-23-5	Carbon tetrachloride	50	46.1	92	48.9	98	6	70-130/25
108-90-7	Chlorobenzene	50	49.5	99	51.8	104	5	70-130/25
75-00-3	Chloroethane	50	56.8	114	46.4	93	20	70-130/25
67-66-3	Chloroform	50	50.0	100	52.4	105	5	70-130/25
74-87-3	Chloromethane	50	44.8	90	48.4	97	8	70-130/25
95-49-8	o-Chlorotoluene	50	52.4	105	54.1	108	3	70-130/25
106-43-4	p-Chlorotoluene	50	52.3	105	54.3	109	4	70-130/25
96-12-8	1,2-Dibromo-3-chloropropane	50	45.3	91	46.0	92	2	70-130/25
124-48-1	Dibromochloromethane	50	49.1	98	51.9	104	6	70-130/25
106-93-4	1,2-Dibromoethane	50	50.4	101	53.3	107	6	70-130/25
95-50-1	1,2-Dichlorobenzene	50	49.5	99	51.2	102	3	70-130/25
541-73-1	1,3-Dichlorobenzene	50	49.2	98	50.8	102	3	70-130/25
106-46-7	1,4-Dichlorobenzene	50	48.9	98	50.6	101	3	70-130/25
75-71-8	Dichlorodifluoromethane	50	48.3	97	51.0	102	5	70-130/25
75-34-3	1,1-Dichloroethane	50	53.7	107	56.7	113	5	70-130/25
107-06-2	1,2-Dichloroethane	50	47.1	94	48.1	96	2	70-130/25
75-35-4	1,1-Dichloroethene	50	53.2	106	56.8	114	7	70-130/25
156-59-2	cis-1,2-Dichloroethene	50	51.4	103	53.8	108	5	70-130/25
156-60-5	trans-1,2-Dichloroethene	50	52.3	105	55.3	111	6	70-130/25
78-87-5	1,2-Dichloropropane	50	52.7	105	55.0	110	4	70-130/25
142-28-9	1,3-Dichloropropane	50	52.3	105	54.3	109	4	70-130/25
594-20-7	2,2-Dichloropropane	50	49.2	98	51.6	103	5	70-130/25
563-58-6	1,1-Dichloropropene	50	52.4	105	54.4	109	4	70-130/25
10061-01-5	cis-1,3-Dichloropropene	50	47.6	95	49.1	98	3	70-130/25

Blank Spike/Blank Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MST394-BS	T11018.D	1	06/17/09	AT	n/a	n/a	MST394
MST394-BSD	T11019.D	1	06/17/09	AT	n/a	n/a	MST394

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-14, M83560-15, M83560-16, M83560-17, M83560-18, M83560-19, M83560-20, M83560-21, M83560-22, M83560-23, M83560-24, M83560-25, M83560-26, M83560-27, M83560-28, M83560-29, M83560-30, M83560-31, M83560-32, M83560-33

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	50	45.2	90	46.8	94	3	70-130/25
100-41-4	Ethylbenzene	50	53.5	107	56.2	112	5	70-130/25
87-68-3	Hexachlorobutadiene	50	43.3	87	43.8	88	1	70-130/25
591-78-6	2-Hexanone	50	115	230* [a]	116	232* [a]	1	70-130/25
74-88-4	Iodomethane	50	51.6	103	54.8	110	6	70-130/25
98-82-8	Isopropylbenzene	50	50.9	102	53.3	107	5	70-130/25
99-87-6	p-Isopropyltoluene	50	52.1	104	54.4	109	4	70-130/25
1634-04-4	Methyl Tert Butyl Ether	50	52.4	105	55.4	111	6	70-130/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	56.8	114	58.8	118	3	70-130/25
74-95-3	Methylene bromide	50	48.7	97	50.3	101	3	70-130/25
75-09-2	Methylene chloride	50	49.2	98	52.8	106	7	70-130/25
91-20-3	Naphthalene	50	56.9	114	53.8	108	6	70-130/25
103-65-1	n-Propylbenzene	50	52.6	105	54.6	109	4	70-130/25
100-42-5	Styrene	50	47.5	95	50.1	100	5	70-130/25
630-20-6	1,1,1,2-Tetrachloroethane	50	47.7	95	50.0	100	5	70-130/25
79-34-5	1,1,2,2-Tetrachloroethane	50	54.0	108	55.6	111	3	70-130/25
127-18-4	Tetrachloroethene	50	50.3	101	53.0	106	5	70-130/25
108-88-3	Toluene	50	50.2	100	52.6	105	5	70-130/25
87-61-6	1,2,3-Trichlorobenzene	50	59.4	119	54.1	108	9	70-130/25
120-82-1	1,2,4-Trichlorobenzene	50	46.5	93	46.5	93	0	70-130/25
71-55-6	1,1,1-Trichloroethane	50	48.1	96	50.9	102	6	70-130/25
79-00-5	1,1,2-Trichloroethane	50	51.1	102	52.7	105	3	70-130/25
79-01-6	Trichloroethene	50	49.6	99	52.2	104	5	70-130/25
75-69-4	Trichlorofluoromethane	50	49.5	99	52.6	105	6	70-130/25
96-18-4	1,2,3-Trichloropropane	50	53.4	107	54.5	109	2	70-130/25
95-63-6	1,2,4-Trimethylbenzene	50	49.9	100	51.9	104	4	70-130/25
108-67-8	1,3,5-Trimethylbenzene	50	50.1	100	52.0	104	4	70-130/25
108-05-4	Vinyl Acetate	50	53.5	107	54.2	108	1	70-130/25
75-01-4	Vinyl chloride	50	46.8	94	50.7	101	8	70-130/25
1330-20-7	Xylene (total)	150	157	105	164	109	4	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	100%	101%	70-130%
2037-26-5	Toluene-D8	100%	100%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MST394-BS	T11018.D	1	06/17/09	AT	n/a	n/a	MST394
MST394-BSD	T11019.D	1	06/17/09	AT	n/a	n/a	MST394

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-14, M83560-15, M83560-16, M83560-17, M83560-18, M83560-19, M83560-20, M83560-21, M83560-22, M83560-23, M83560-24, M83560-25, M83560-26, M83560-27, M83560-28, M83560-29, M83560-30, M83560-31, M83560-32, M83560-33

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	102%	100%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.

Blank Spike/Blank Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1049-BS	M32756.D	1	06/17/09	SC	n/a	n/a	MSM1049
MSM1049-BSD	M32757.D	1	06/17/09	SC	n/a	n/a	MSM1049

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-2, M83560-3, M83560-4, M83560-7, M83560-9, M83560-10, M83560-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	57.8	116	56.3	113	3	70-130/25
71-43-2	Benzene	50	48.8	98	49.3	99	1	70-130/25
108-86-1	Bromobenzene	50	49.1	98	49.4	99	1	70-130/25
74-97-5	Bromochloromethane	50	49.3	99	49.7	99	1	70-130/25
75-27-4	Bromodichloromethane	50	52.8	106	52.7	105	0	70-130/25
75-25-2	Bromoform	50	45.1	90	43.5	87	4	70-130/25
74-83-9	Bromomethane	50	61.2	122	61.6	123	1	70-130/25
78-93-3	2-Butanone (MEK)	50	63.3	127	63.0	126	0	70-130/25
104-51-8	n-Butylbenzene	50	59.2	118	60.0	120	1	70-130/25
135-98-8	sec-Butylbenzene	50	57.9	116	58.3	117	1	70-130/25
98-06-6	tert-Butylbenzene	50	58.6	117	59.9	120	2	70-130/25
75-15-0	Carbon disulfide	50	60.9	122	63.4	127	4	70-130/25
56-23-5	Carbon tetrachloride	50	52.4	105	54.1	108	3	70-130/25
108-90-7	Chlorobenzene	50	45.6	91	46.3	93	2	70-130/25
75-00-3	Chloroethane	50	62.1	124	64.3	129	3	70-130/25
67-66-3	Chloroform	50	52.6	105	53.6	107	2	70-130/25
74-87-3	Chloromethane	50	54.5	109	55.9	112	3	70-130/25
95-49-8	o-Chlorotoluene	50	54.7	109	55.0	110	1	70-130/25
106-43-4	p-Chlorotoluene	50	55.9	112	55.8	112	0	70-130/25
96-12-8	1,2-Dibromo-3-chloropropane	50	54.6	109	51.8	104	5	70-130/25
124-48-1	Dibromochloromethane	50	49.2	98	48.2	96	2	70-130/25
106-93-4	1,2-Dibromoethane	50	46.2	92	45.5	91	2	70-130/25
95-50-1	1,2-Dichlorobenzene	50	50.9	102	50.3	101	1	70-130/25
541-73-1	1,3-Dichlorobenzene	50	51.2	102	51.8	104	1	70-130/25
106-46-7	1,4-Dichlorobenzene	50	50.3	101	49.9	100	1	70-130/25
75-71-8	Dichlorodifluoromethane	50	55.7	111	60.1	120	8	70-130/25
75-34-3	1,1-Dichloroethane	50	51.5	103	54.1	108	5	70-130/25
107-06-2	1,2-Dichloroethane	50	51.4	103	51.5	103	0	70-130/25
75-35-4	1,1-Dichloroethene	50	51.2	102	53.7	107	5	70-130/25
156-59-2	cis-1,2-Dichloroethene	50	50.2	100	51.7	103	3	70-130/25
156-60-5	trans-1,2-Dichloroethene	50	50.7	101	52.3	105	3	70-130/25
78-87-5	1,2-Dichloropropane	50	47.4	95	47.6	95	0	70-130/25
142-28-9	1,3-Dichloropropane	50	47.5	95	47.2	94	1	70-130/25
594-20-7	2,2-Dichloropropane	50	52.6	105	55.7	111	6	70-130/25
563-58-6	1,1-Dichloropropene	50	50.6	101	52.7	105	4	70-130/25
10061-01-5	cis-1,3-Dichloropropene	50	46.2	92	46.3	93	0	70-130/25

Blank Spike/Blank Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1049-BS	M32756.D	1	06/17/09	SC	n/a	n/a	MSM1049
MSM1049-BSD	M32757.D	1	06/17/09	SC	n/a	n/a	MSM1049

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-2, M83560-3, M83560-4, M83560-7, M83560-9, M83560-10, M83560-12

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	50	45.7	91	45.6	91	0	70-130/25
100-41-4	Ethylbenzene	50	49.1	98	50.2	100	2	70-130/25
87-68-3	Hexachlorobutadiene	50	49.4	99	50.4	101	2	70-130/25
591-78-6	2-Hexanone	50	57.8	116	56.7	113	2	70-130/25
74-88-4	Iodomethane	50	62.1	124	61.8	124	0	70-130/25
98-82-8	Isopropylbenzene	50	56.4	113	57.4	115	2	70-130/25
99-87-6	p-Isopropyltoluene	50	55.5	111	56.7	113	2	70-130/25
1634-04-4	Methyl Tert Butyl Ether	50	56.5	113	57.6	115	2	70-130/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	57.2	114	55.1	110	4	70-130/25
74-95-3	Methylene bromide	50	49.6	99	49.0	98	1	70-130/25
75-09-2	Methylene chloride	50	53.6	107	54.5	109	2	70-130/25
91-20-3	Naphthalene	50	53.9	108	52.3	105	3	70-130/25
103-65-1	n-Propylbenzene	50	57.6	115	58.6	117	2	70-130/25
100-42-5	Styrene	50	48.4	97	48.2	96	0	70-130/25
630-20-6	1,1,1,2-Tetrachloroethane	50	46.6	93	46.6	93	0	70-130/25
79-34-5	1,1,2,2-Tetrachloroethane	50	54.5	109	54.5	109	0	70-130/25
127-18-4	Tetrachloroethene	50	44.3	89	45.6	91	3	70-130/25
108-88-3	Toluene	50	48.2	96	49.2	98	2	70-130/25
87-61-6	1,2,3-Trichlorobenzene	50	51.6	103	49.3	99	5	70-130/25
120-82-1	1,2,4-Trichlorobenzene	50	50.1	100	49.4	99	1	70-130/25
71-55-6	1,1,1-Trichloroethane	50	53.0	106	56.3	113	6	70-130/25
79-00-5	1,1,2-Trichloroethane	50	48.5	97	47.9	96	1	70-130/25
79-01-6	Trichloroethene	50	47.5	95	48.6	97	2	70-130/25
75-69-4	Trichlorofluoromethane	50	52.5	105	55.6	111	6	70-130/25
96-18-4	1,2,3-Trichloropropane	50	54.0	108	53.6	107	1	70-130/25
95-63-6	1,2,4-Trimethylbenzene	50	56.1	112	56.7	113	1	70-130/25
108-67-8	1,3,5-Trimethylbenzene	50	56.5	113	57.3	115	1	70-130/25
108-05-4	Vinyl Acetate	50	68.6	137* [a]	68.6	137* [a]	0	70-130/25
75-01-4	Vinyl chloride	50	58.6	117	61.9	124	5	70-130/25
1330-20-7	Xylene (total)	150	150	100	151	101	1	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	107%	108%	70-130%
2037-26-5	Toluene-D8	102%	99%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1049-BS	M32756.D	1	06/17/09	SC	n/a	n/a	MSM1049
MSM1049-BSD	M32757.D	1	06/17/09	SC	n/a	n/a	MSM1049

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-2, M83560-3, M83560-4, M83560-7, M83560-9, M83560-10, M83560-12

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	106%	107%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.

Blank Spike/Blank Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MST395-BS	T11046.D	1	06/18/09	AT	n/a	n/a	MST395
MST395-BSD	T11047.D	1	06/18/09	AT	n/a	n/a	MST395

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-31

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
156-59-2	cis-1,2-Dichloroethene	50	47.3	95	54.0	108	13	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	95%	95%	70-130%
2037-26-5	Toluene-D8	99%	99%	70-130%
460-00-4	4-Bromofluorobenzene	101%	100%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1050-BS	M32786.D	1	06/18/09	SC	n/a	n/a	MSM1050
MSM1050-BSD	M32787.D	1	06/18/09	SC	n/a	n/a	MSM1050

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-1, M83560-5, M83560-6, M83560-8, M83560-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	50	24.4	49* [a]	27.7	55* [a]	13	70-130/25
71-43-2	Benzene	50	49.0	98	50.0	100	2	70-130/25
108-86-1	Bromobenzene	50	48.1	96	49.1	98	2	70-130/25
74-97-5	Bromochloromethane	50	48.1	96	50.9	102	6	70-130/25
75-27-4	Bromodichloromethane	50	53.1	106	53.0	106	0	70-130/25
75-25-2	Bromoform	50	44.1	88	44.2	88	0	70-130/25
74-83-9	Bromomethane	50	48.8	98	52.0	104	6	70-130/25
78-93-3	2-Butanone (MEK)	50	41.7	83	43.5	87	4	70-130/25
104-51-8	n-Butylbenzene	50	58.5	117	58.8	118	1	70-130/25
135-98-8	sec-Butylbenzene	50	57.8	116	57.7	115	0	70-130/25
98-06-6	tert-Butylbenzene	50	58.2	116	58.8	118	1	70-130/25
75-15-0	Carbon disulfide	50	62.0	124	64.4	129	4	70-130/25
56-23-5	Carbon tetrachloride	50	53.6	107	55.2	110	3	70-130/25
108-90-7	Chlorobenzene	50	45.2	90	45.4	91	0	70-130/25
75-00-3	Chloroethane	50	59.8	120	64.1	128	7	70-130/25
67-66-3	Chloroform	50	52.8	106	55.2	110	4	70-130/25
74-87-3	Chloromethane	50	49.9	100	51.4	103	3	70-130/25
95-49-8	o-Chlorotoluene	50	53.7	107	55.0	110	2	70-130/25
106-43-4	p-Chlorotoluene	50	55.2	110	55.3	111	0	70-130/25
96-12-8	1,2-Dibromo-3-chloropropane	50	53.0	106	54.2	108	2	70-130/25
124-48-1	Dibromochloromethane	50	47.7	95	48.1	96	1	70-130/25
106-93-4	1,2-Dibromoethane	50	44.9	90	45.3	91	1	70-130/25
95-50-1	1,2-Dichlorobenzene	50	49.4	99	49.5	99	0	70-130/25
541-73-1	1,3-Dichlorobenzene	50	49.8	100	49.9	100	0	70-130/25
106-46-7	1,4-Dichlorobenzene	50	49.0	98	48.7	97	1	70-130/25
75-71-8	Dichlorodifluoromethane	50	51.7	103	56.2	112	8	70-130/25
75-34-3	1,1-Dichloroethane	50	53.0	106	55.8	112	5	70-130/25
107-06-2	1,2-Dichloroethane	50	50.6	101	50.9	102	1	70-130/25
75-35-4	1,1-Dichloroethene	50	52.2	104	57.0	114	9	70-130/25
156-59-2	cis-1,2-Dichloroethene	50	51.9	104	53.8	108	4	70-130/25
156-60-5	trans-1,2-Dichloroethene	50	52.4	105	54.4	109	4	70-130/25
78-87-5	1,2-Dichloropropane	50	47.4	95	48.1	96	1	70-130/25
142-28-9	1,3-Dichloropropane	50	46.6	93	46.0	92	1	70-130/25
594-20-7	2,2-Dichloropropane	50	54.8	110	54.0	108	1	70-130/25
563-58-6	1,1-Dichloropropene	50	51.4	103	53.6	107	4	70-130/25
10061-01-5	cis-1,3-Dichloropropene	50	46.9	94	46.3	93	1	70-130/25

Blank Spike/Blank Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1050-BS	M32786.D	1	06/18/09	SC	n/a	n/a	MSM1050
MSM1050-BSD	M32787.D	1	06/18/09	SC	n/a	n/a	MSM1050

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-1, M83560-5, M83560-6, M83560-8, M83560-13

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	50	46.4	93	45.1	90	3	70-130/25
100-41-4	Ethylbenzene	50	48.6	97	49.5	99	2	70-130/25
87-68-3	Hexachlorobutadiene	50	49.0	98	48.2	96	2	70-130/25
591-78-6	2-Hexanone	50	44.8	90	45.3	91	1	70-130/25
74-88-4	Iodomethane	50	51.7	103	51.4	103	1	70-130/25
98-82-8	Isopropylbenzene	50	56.0	112	57.4	115	2	70-130/25
99-87-6	p-Isopropyltoluene	50	54.8	110	55.0	110	0	70-130/25
1634-04-4	Methyl Tert Butyl Ether	50	58.6	117	59.2	118	1	70-130/25
108-10-1	4-Methyl-2-pentanone (MIBK)	50	56.4	113	56.7	113	1	70-130/25
74-95-3	Methylene bromide	50	49.2	98	49.2	98	0	70-130/25
75-09-2	Methylene chloride	50	54.4	109	56.1	112	3	70-130/25
91-20-3	Naphthalene	50	53.3	107	51.7	103	3	70-130/25
103-65-1	n-Propylbenzene	50	57.2	114	57.5	115	1	70-130/25
100-42-5	Styrene	50	47.5	95	47.8	96	1	70-130/25
630-20-6	1,1,1,2-Tetrachloroethane	50	45.7	91	46.1	92	1	70-130/25
79-34-5	1,1,2,2-Tetrachloroethane	50	52.9	106	53.9	108	2	70-130/25
127-18-4	Tetrachloroethene	50	44.0	88	45.3	91	3	70-130/25
108-88-3	Toluene	50	48.5	97	49.9	100	3	70-130/25
87-61-6	1,2,3-Trichlorobenzene	50	49.4	99	48.1	96	3	70-130/25
120-82-1	1,2,4-Trichlorobenzene	50	48.1	96	47.1	94	2	70-130/25
71-55-6	1,1,1-Trichloroethane	50	55.0	110	56.7	113	3	70-130/25
79-00-5	1,1,2-Trichloroethane	50	47.9	96	47.9	96	0	70-130/25
79-01-6	Trichloroethene	50	48.1	96	49.1	98	2	70-130/25
75-69-4	Trichlorofluoromethane	50	52.7	105	55.7	111	6	70-130/25
96-18-4	1,2,3-Trichloropropane	50	53.1	106	53.2	106	0	70-130/25
95-63-6	1,2,4-Trimethylbenzene	50	55.1	110	56.1	112	2	70-130/25
108-67-8	1,3,5-Trimethylbenzene	50	55.9	112	56.2	112	1	70-130/25
108-05-4	Vinyl Acetate	50	70.2	140* [b]	70.7	141* [b]	1	70-130/25
75-01-4	Vinyl chloride	50	58.3	117	59.5	119	2	70-130/25
1330-20-7	Xylene (total)	150	147	98	151	101	3	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	109%	111%	70-130%
2037-26-5	Toluene-D8	101%	100%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSM1050-BS	M32786.D	1	06/18/09	SC	n/a	n/a	MSM1050
MSM1050-BSD	M32787.D	1	06/18/09	SC	n/a	n/a	MSM1050

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-1, M83560-5, M83560-6, M83560-8, M83560-13

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	107%	107%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.
(b) Outside control limits. Associated samples are non-detect for this compound.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83560-1MS	E37355.D	5	06/15/09	SC	n/a	n/a	MSE1668
M83560-1MSD	E37356.D	5	06/15/09	SC	n/a	n/a	MSE1668
M83560-1	E37354.D	1	06/15/09	SC	n/a	n/a	MSE1668
M83560-1	E37357.D	50	06/15/09	SC	n/a	n/a	MSE1668

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-1, M83560-5, M83560-6, M83560-11

CAS No.	Compound	M83560-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		250	423	169* [a]	427	171* [a]	1	70-130/30
71-43-2	Benzene	2.7		250	249	99	245	97	2	70-130/30
108-86-1	Bromobenzene	ND		250	242	97	239	96	1	70-130/30
74-97-5	Bromochloromethane	ND		250	263	105	251	100	5	70-130/30
75-27-4	Bromodichloromethane	ND		250	243	97	224	90	8	70-130/30
75-25-2	Bromoform	ND		250	177	71	175	70	1	70-130/30
74-83-9	Bromomethane	ND		250	264	106	274	110	4	70-130/30
78-93-3	2-Butanone (MEK)	ND		250	319	128	317	127	1	70-130/30
104-51-8	n-Butylbenzene	ND		250	268	107	262	105	2	70-130/30
135-98-8	sec-Butylbenzene	1.6		250	277	110	274	109	1	70-130/30
98-06-6	tert-Butylbenzene	0.67		250	263	105	265	106	1	70-130/30
75-15-0	Carbon disulfide	ND		250	232	93	222	89	4	70-130/30
56-23-5	Carbon tetrachloride	ND		250	253	101	231	92	9	70-130/30
108-90-7	Chlorobenzene	1.4		250	230	91	230	91	0	70-130/30
75-00-3	Chloroethane	ND		250	302	121	288	115	5	70-130/30
67-66-3	Chloroform	2.4		250	248	98	246	97	1	70-130/30
74-87-3	Chloromethane	ND		250	285	114	290	116	2	70-130/30
95-49-8	o-Chlorotoluene	ND		250	249	100	253	101	2	70-130/30
106-43-4	p-Chlorotoluene	ND		250	259	104	258	103	0	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		250	290	116	298	119	3	70-130/30
124-48-1	Dibromochloromethane	ND		250	192	77	198	79	3	70-130/30
106-93-4	1,2-Dibromoethane	ND		250	215	86	215	86	0	70-130/30
95-50-1	1,2-Dichlorobenzene	4.0		250	236	93	231	91	2	70-130/30
541-73-1	1,3-Dichlorobenzene	0.49		250	231	92	229	91	1	70-130/30
106-46-7	1,4-Dichlorobenzene	0.74		250	231	92	226	90	2	70-130/30
75-71-8	Dichlorodifluoromethane	ND		250	252	101	260	104	3	70-130/30
75-34-3	1,1-Dichloroethane	139		250	367	91	364	90	1	70-130/30
107-06-2	1,2-Dichloroethane	ND		250	248	99	244	98	2	70-130/30
75-35-4	1,1-Dichloroethene	46.7		250	276	92	281	94	2	70-130/30
156-59-2	cis-1,2-Dichloroethene	8380 [c]		250	7980	-160* [b]	8030	-140* [b]	1	70-130/30
156-60-5	trans-1,2-Dichloroethene	38.3		250	286	99	281	97	2	70-130/30
78-87-5	1,2-Dichloropropane	ND		250	257	103	259	104	1	70-130/30
142-28-9	1,3-Dichloropropane	ND		250	220	88	225	90	2	70-130/30
594-20-7	2,2-Dichloropropane	ND		250	293	117	290	116	1	70-130/30
563-58-6	1,1-Dichloropropene	ND		250	255	102	244	98	4	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		250	244	98	242	97	1	70-130/30

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83560-1MS	E37355.D	5	06/15/09	SC	n/a	n/a	MSE1668
M83560-1MSD	E37356.D	5	06/15/09	SC	n/a	n/a	MSE1668
M83560-1	E37354.D	1	06/15/09	SC	n/a	n/a	MSE1668
M83560-1	E37357.D	50	06/15/09	SC	n/a	n/a	MSE1668

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-1, M83560-5, M83560-6, M83560-11

CAS No.	Compound	M83560-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		250	243	97	245	98	1	70-130/30
100-41-4	Ethylbenzene	7.9		250	256	99	260	101	2	70-130/30
87-68-3	Hexachlorobutadiene	ND		250	279	112	277	111	1	70-130/30
591-78-6	2-Hexanone	ND		250	200	80	203	81	1	70-130/30
74-88-4	Iodomethane	ND		250	258	103	258	103	0	70-130/30
98-82-8	Isopropylbenzene	1.6		250	273	109	275	109	1	70-130/30
99-87-6	p-Isopropyltoluene	0.58		250	255	102	250	100	2	70-130/30
1634-04-4	Methyl Tert Butyl Ether	7.9		250	263	102	268	104	2	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	250	100	245	98	2	70-130/30
74-95-3	Methylene bromide	ND		250	244	98	237	95	3	70-130/30
75-09-2	Methylene chloride	65.2		250	313	99	311	98	1	70-130/30
91-20-3	Naphthalene	2.8		250	200	79	202	80	1	70-130/30
103-65-1	n-Propylbenzene	0.83		250	267	106	267	106	0	70-130/30
100-42-5	Styrene	ND		250	237	95	234	94	1	70-130/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		250	227	90	239	95	5	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	230	92	239	96	4	70-130/30
127-18-4	Tetrachloroethene	14100	E	250	18500	1760* [b]	18400	1720* [b]	1	70-130/30
108-88-3	Toluene	15.4		250	270	102	262	99	3	70-130/30
87-61-6	1,2,3-Trichlorobenzene	3.2		250	207	82	208	82	0	70-130/30
120-82-1	1,2,4-Trichlorobenzene	1.2		250	238	95	232	92	3	70-130/30
71-55-6	1,1,1-Trichloroethane	393 [c]		250	776	153* [d]	776	153* [d]	0	70-130/30
79-00-5	1,1,2-Trichloroethane	1.7		250	239	95	227	90	5	70-130/30
79-01-6	Trichloroethene	3590 [c]		250	3810	88	3700	44* [b]	3	70-130/30
75-69-4	Trichlorofluoromethane	ND		250	247	99	254	102	3	70-130/30
96-18-4	1,2,3-Trichloropropane	ND		250	243	97	235	94	3	70-130/30
95-63-6	1,2,4-Trimethylbenzene	2.7		250	258	102	255	101	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	2.5		250	270	107	266	105	1	70-130/30
108-05-4	Vinyl Acetate	ND		250	208	83	209	84	0	70-130/30
75-01-4	Vinyl chloride	1650 [c]		250	1960	124	1950	120	1	70-130/30
1330-20-7	Xylene (total)	48.1		750	813	102	789	99	3	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	M83560-1	M83560-1	Limits
1868-53-7	Dibromofluoromethane	102%	103%	102%	102%	70-130%
2037-26-5	Toluene-D8	102%	100%	102%	102%	70-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83560-1MS	E37355.D	5	06/15/09	SC	n/a	n/a	MSE1668
M83560-1MSD	E37356.D	5	06/15/09	SC	n/a	n/a	MSE1668
M83560-1	E37354.D	1	06/15/09	SC	n/a	n/a	MSE1668
M83560-1	E37357.D	50	06/15/09	SC	n/a	n/a	MSE1668

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-1, M83560-5, M83560-6, M83560-11

CAS No.	Surrogate Recoveries	MS	MSD	M83560-1	M83560-1	Limits
460-00-4	4-Bromofluorobenzene	103%	104%	96%	101%	70-130%

(a) Outside control limits. Associated samples are non-detect for this compound.
(b) Outside control limits due to high level in sample relative to spike amount.
(c) Result is from Run #2.
(d) Outside control limits due to possible matrix interference. Refer to Blank Spike.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83598-5MS	M32768.D	5	06/17/09	SC	n/a	n/a	MSM1049
M83598-5MSD	M32769.D	5	06/17/09	SC	n/a	n/a	MSM1049
M83598-5	M32767.D	1	06/17/09	SC	n/a	n/a	MSM1049
M83598-5	M32770.D	50	06/17/09	SC	n/a	n/a	MSM1049

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-2, M83560-3, M83560-4, M83560-7, M83560-9, M83560-10, M83560-12

CAS No.	Compound	M83598-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		250	237	95	223	89	6	70-130/30
71-43-2	Benzene	592 [a]		250	818	90	819	91	0	70-130/30
108-86-1	Bromobenzene	ND		250	237	95	242	97	2	70-130/30
74-97-5	Bromochloromethane	ND		250	224	90	226	90	1	70-130/30
75-27-4	Bromodichloromethane	ND		250	256	102	253	101	1	70-130/30
75-25-2	Bromoform	ND		250	214	86	213	85	0	70-130/30
74-83-9	Bromomethane	ND		250	131	52* [b]	185	74	34* [c]	70-130/30
78-93-3	2-Butanone (MEK)	ND		250	199	80	204	82	2	70-130/30
104-51-8	n-Butylbenzene	28.1		250	304	110	312	114	3	70-130/30
135-98-8	sec-Butylbenzene	15.9		250	291	110	293	111	1	70-130/30
98-06-6	tert-Butylbenzene	2.3		250	283	112	288	114	2	70-130/30
75-15-0	Carbon disulfide	4.2		250	295	116	299	118	1	70-130/30
56-23-5	Carbon tetrachloride	ND		250	244	98	251	100	3	70-130/30
108-90-7	Chlorobenzene	ND		250	225	90	227	91	1	70-130/30
75-00-3	Chloroethane	ND		250	294	118	299	120	2	70-130/30
67-66-3	Chloroform	ND		250	253	101	257	103	2	70-130/30
74-87-3	Chloromethane	1.4		250	222	88	234	93	5	70-130/30
95-49-8	o-Chlorotoluene	ND		250	272	109	276	110	1	70-130/30
106-43-4	p-Chlorotoluene	ND		250	267	107	275	110	3	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		250	267	107	276	110	3	70-130/30
124-48-1	Dibromochloromethane	ND		250	233	93	237	95	2	70-130/30
106-93-4	1,2-Dibromoethane	ND		250	226	90	227	91	0	70-130/30
95-50-1	1,2-Dichlorobenzene	1.2		250	247	98	255	102	3	70-130/30
541-73-1	1,3-Dichlorobenzene	0.57		250	242	97	251	100	4	70-130/30
106-46-7	1,4-Dichlorobenzene	0.53		250	240	96	243	97	1	70-130/30
75-71-8	Dichlorodifluoromethane	ND		250	254	102	249	100	2	70-130/30
75-34-3	1,1-Dichloroethane	ND		250	254	102	257	103	1	70-130/30
107-06-2	1,2-Dichloroethane	ND		250	249	100	250	100	0	70-130/30
75-35-4	1,1-Dichloroethene	ND		250	253	101	253	101	0	70-130/30
156-59-2	cis-1,2-Dichloroethene	68.0		250	304	94	308	96	1	70-130/30
156-60-5	trans-1,2-Dichloroethene	11.0		250	256	98	263	101	3	70-130/30
78-87-5	1,2-Dichloropropane	ND		250	235	94	234	94	0	70-130/30
142-28-9	1,3-Dichloropropane	ND		250	232	93	230	92	1	70-130/30
594-20-7	2,2-Dichloropropane	ND		250	252	101	254	102	1	70-130/30
563-58-6	1,1-Dichloropropene	ND		250	251	100	253	101	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		250	225	90	231	92	3	70-130/30

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83598-5MS	M32768.D	5	06/17/09	SC	n/a	n/a	MSM1049
M83598-5MSD	M32769.D	5	06/17/09	SC	n/a	n/a	MSM1049
M83598-5	M32767.D	1	06/17/09	SC	n/a	n/a	MSM1049
M83598-5	M32770.D	50	06/17/09	SC	n/a	n/a	MSM1049

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-2, M83560-3, M83560-4, M83560-7, M83560-9, M83560-10, M83560-12

CAS No.	Compound	M83598-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		250	219	88	226	90	3	70-130/30
100-41-4	Ethylbenzene	333	a	250	560	91	550	87	2	70-130/30
87-68-3	Hexachlorobutadiene	ND		250	235	94	242	97	3	70-130/30
591-78-6	2-Hexanone	ND		250	224	90	231	92	3	70-130/30
74-88-4	Iodomethane	ND		250	190	76	249	100	27	70-130/30
98-82-8	Isopropylbenzene	49.5		250	310	104	315	106	2	70-130/30
99-87-6	p-Isopropyltoluene	6.2		250	270	106	274	107	1	70-130/30
1634-04-4	Methyl Tert Butyl Ether	50.5		250	327	111	336	114	3	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	273	109	273	109	0	70-130/30
74-95-3	Methylene bromide	ND		250	239	96	242	97	1	70-130/30
75-09-2	Methylene chloride	ND		250	257	103	262	105	2	70-130/30
91-20-3	Naphthalene	51.7		250	309	103	317	106	3	70-130/30
103-65-1	n-Propylbenzene	107		250	362	102	366	104	1	70-130/30
100-42-5	Styrene	ND		250	235	94	237	95	1	70-130/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		250	223	89	229	92	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	262	105	264	106	1	70-130/30
127-18-4	Tetrachloroethene	4.2		250	220	86	220	86	0	70-130/30
108-88-3	Toluene	59.9		250	282	89	286	90	1	70-130/30
87-61-6	1,2,3-Trichlorobenzene	ND		250	237	95	248	99	5	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		250	236	94	247	99	5	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		250	256	102	265	106	3	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		250	239	96	242	97	1	70-130/30
79-01-6	Trichloroethene	30.1		250	253	89	255	90	1	70-130/30
75-69-4	Trichlorofluoromethane	ND		250	246	98	251	100	2	70-130/30
96-18-4	1,2,3-Trichloropropane	ND		250	258	103	261	104	1	70-130/30
95-63-6	1,2,4-Trimethylbenzene	149		250	396	99	396	99	0	70-130/30
108-67-8	1,3,5-Trimethylbenzene	31.3		250	297	106	302	108	2	70-130/30
108-05-4	Vinyl Acetate	ND		250	372	149*	d	387	155*	d	4	70-130/30
75-01-4	Vinyl chloride	63.0		250	309	98	321	103	4	70-130/30
1330-20-7	Xylene (total)	290		750	965	90	959	89	1	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	M83598-5	M83598-5	Limits
1868-53-7	Dibromofluoromethane	107%	107%	108%	104%	70-130%
2037-26-5	Toluene-D8	102%	102%	103%	101%	70-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83598-5MS	M32768.D	5	06/17/09	SC	n/a	n/a	MSM1049
M83598-5MSD	M32769.D	5	06/17/09	SC	n/a	n/a	MSM1049
M83598-5	M32767.D	1	06/17/09	SC	n/a	n/a	MSM1049
M83598-5	M32770.D	50	06/17/09	SC	n/a	n/a	MSM1049

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-2, M83560-3, M83560-4, M83560-7, M83560-9, M83560-10, M83560-12

CAS No.	Surrogate Recoveries	MS	MSD	M83598-5	M83598-5	Limits
460-00-4	4-Bromofluorobenzene	107%	108%	110%	108%	70-130%

(a) Result is from Run #2.
(b) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(c) High RPD due to possible matrix interference and/or sample non-homogeneity.
(d) Outside control limits. Associated samples are non-detect for this compound.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83560-19MS	T11042.D	5	06/18/09	AT	n/a	n/a	MST394
M83560-19MSD	T11043.D	5	06/18/09	AT	n/a	n/a	MST394
M83560-19 [a]	T11034.D	5	06/17/09	AT	n/a	n/a	MST394

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-14, M83560-15, M83560-16, M83560-17, M83560-18, M83560-19, M83560-20, M83560-21, M83560-22, M83560-23, M83560-24, M83560-25, M83560-26, M83560-27, M83560-28, M83560-29, M83560-30, M83560-31, M83560-32, M83560-33

CAS No.	Compound	M83560-19 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		250	510	204* [b]	514	206* [b]	1	70-130/30
71-43-2	Benzene	ND		250	269	108	268	107	0	70-130/30
108-86-1	Bromobenzene	ND		250	231	92	235	94	2	70-130/30
74-97-5	Bromochloromethane	ND		250	254	102	249	100	2	70-130/30
75-27-4	Bromodichloromethane	ND		250	236	94	231	92	2	70-130/30
75-25-2	Bromoform	ND		250	190	76	189	76	1	70-130/30
74-83-9	Bromomethane	ND		250	226	90	223	89	1	70-130/30
78-93-3	2-Butanone (MEK)	ND		250	352	141* [b]	361	144* [b]	3	70-130/30
104-51-8	n-Butylbenzene	ND		250	248	99	257	103	4	70-130/30
135-98-8	sec-Butylbenzene	ND		250	256	102	263	105	3	70-130/30
98-06-6	tert-Butylbenzene	ND		250	249	100	251	100	1	70-130/30
75-15-0	Carbon disulfide	ND		250	230	92	226	90	2	70-130/30
56-23-5	Carbon tetrachloride	ND		250	232	93	229	92	1	70-130/30
108-90-7	Chlorobenzene	ND		250	244	98	245	98	0	70-130/30
75-00-3	Chloroethane	ND		250	276	110	226	90	20	70-130/30
67-66-3	Chloroform	ND		250	251	100	250	100	0	70-130/30
74-87-3	Chloromethane	ND		250	275	110	258	103	6	70-130/30
95-49-8	o-Chlorotoluene	ND		250	258	103	259	104	0	70-130/30
106-43-4	p-Chlorotoluene	ND		250	255	102	258	103	1	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		250	227	91	237	95	4	70-130/30
124-48-1	Dibromochloromethane	ND		250	231	92	226	90	2	70-130/30
106-93-4	1,2-Dibromoethane	ND		250	270	108	267	107	1	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		250	234	94	238	95	2	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		250	231	92	237	95	3	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		250	233	93	237	95	2	70-130/30
75-71-8	Dichlorodifluoromethane	ND		250	271	108	263	105	3	70-130/30
75-34-3	1,1-Dichloroethane	21.0		250	302	112	299	111	1	70-130/30
107-06-2	1,2-Dichloroethane	ND		250	254	102	250	100	2	70-130/30
75-35-4	1,1-Dichloroethene	ND		250	280	112	280	112	0	70-130/30
156-59-2	cis-1,2-Dichloroethene	528		250	783	102	773	98	1	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		250	268	107	266	106	1	70-130/30
78-87-5	1,2-Dichloropropane	ND		250	274	110	273	109	0	70-130/30
142-28-9	1,3-Dichloropropane	ND		250	283	113	280	112	1	70-130/30
594-20-7	2,2-Dichloropropane	ND		250	210	84	207	83	1	70-130/30
563-58-6	1,1-Dichloropropene	ND		250	273	109	275	110	1	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		250	227	91	216	86	5	70-130/30

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83560-19MS	T11042.D	5	06/18/09	AT	n/a	n/a	MST394
M83560-19MSD	T11043.D	5	06/18/09	AT	n/a	n/a	MST394
M83560-19 [a]	T11034.D	5	06/17/09	AT	n/a	n/a	MST394

5.4.3

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-14, M83560-15, M83560-16, M83560-17, M83560-18, M83560-19, M83560-20, M83560-21, M83560-22, M83560-23, M83560-24, M83560-25, M83560-26, M83560-27, M83560-28, M83560-29, M83560-30, M83560-31, M83560-32, M83560-33

CAS No.	Compound	M83560-19 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		250	218	87	211	84	3	70-130/30
100-41-4	Ethylbenzene	ND		250	270	108	271	108	0	70-130/30
87-68-3	Hexachlorobutadiene	ND		250	170	68* [c]	194	78	13	70-130/30
591-78-6	2-Hexanone	ND		250	361	144* [b]	348	139* [b]	4	70-130/30
74-88-4	Iodomethane	ND		250	251	100	250	100	0	70-130/30
98-82-8	Isopropylbenzene	ND		250	251	100	255	102	2	70-130/30
99-87-6	p-Isopropyltoluene	ND		250	253	101	261	104	3	70-130/30
1634-04-4	Methyl Tert Butyl Ether	3.9		250	283	112	281	111	1	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	299	120	302	121	1	70-130/30
74-95-3	Methylene bromide	ND		250	259	104	258	103	0	70-130/30
75-09-2	Methylene chloride	ND		250	249	100	253	101	2	70-130/30
91-20-3	Naphthalene	ND		250	189	76	242	97	25	70-130/30
103-65-1	n-Propylbenzene	ND		250	263	105	266	106	1	70-130/30
100-42-5	Styrene	ND		250	221	88	222	89	0	70-130/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		250	228	91	229	92	0	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	297	119	298	119	0	70-130/30
127-18-4	Tetrachloroethene	16.9		250	265	99	269	101	1	70-130/30
108-88-3	Toluene	ND		250	255	102	253	101	1	70-130/30
87-61-6	1,2,3-Trichlorobenzene	ND		250	149	60* [c]	220	88	38* [d]	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		250	167	67* [c]	194	78	15	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		250	245	98	248	99	1	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		250	274	110	272	109	1	70-130/30
79-01-6	Trichloroethene	38.0		250	293	102	292	102	0	70-130/30
75-69-4	Trichlorofluoromethane	ND		250	260	104	257	103	1	70-130/30
96-18-4	1,2,3-Trichloropropane	ND		250	278	111	273	109	2	70-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		250	240	96	241	96	0	70-130/30
108-67-8	1,3,5-Trimethylbenzene	ND		250	242	97	247	99	2	70-130/30
108-05-4	Vinyl Acetate	ND		250	307	123	304	122	1	70-130/30
75-01-4	Vinyl chloride	18.9		250	293	110	286	107	2	70-130/30
1330-20-7	Xylene (total)	ND		750	780	104	783	104	0	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	M83560-19	Limits
1868-53-7	Dibromofluoromethane	99%	97%	97%	70-130%
2037-26-5	Toluene-D8	100%	100%	99%	70-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83560-19MS	T11042.D	5	06/18/09	AT	n/a	n/a	MST394
M83560-19MSD	T11043.D	5	06/18/09	AT	n/a	n/a	MST394
M83560-19 [a]	T11034.D	5	06/17/09	AT	n/a	n/a	MST394

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-14, M83560-15, M83560-16, M83560-17, M83560-18, M83560-19, M83560-20, M83560-21, M83560-22, M83560-23, M83560-24, M83560-25, M83560-26, M83560-27, M83560-28, M83560-29, M83560-30, M83560-31, M83560-32, M83560-33

CAS No.	Surrogate Recoveries	MS	MSD	M83560-19	Limits
460-00-4	4-Bromofluorobenzene	100%	100%	99%	70-130%

(a) Elevated RL due to dilution required for matrix interference.
(b) Outside control limits. Associated samples are non-detect for this compound.
(c) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(d) High RPD due to possible matrix interference and/or sample non-homogeneity.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83577-22MS	T11066.D	5	06/18/09	AT	n/a	n/a	MST395
M83577-22MSD	T11067.D	5	06/18/09	AT	n/a	n/a	MST395
M83577-22	T11069.D	1	06/18/09	AT	n/a	n/a	MST395

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-31

CAS No.	Compound	M83577-22 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
156-59-2	cis-1,2-Dichloroethene	ND		250	272	109	281	112	3	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	M83577-22	Limits
1868-53-7	Dibromofluoromethane	100%	99%	98%	70-130%
2037-26-5	Toluene-D8	100%	100%	97%	70-130%
460-00-4	4-Bromofluorobenzene	100%	100%	101%	70-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83682-1MS	M32801.D	5	06/18/09	SC	n/a	n/a	MSM1050
M83682-1MSD	M32802.D	5	06/18/09	SC	n/a	n/a	MSM1050
M83682-1	M32800.D	1	06/18/09	SC	n/a	n/a	MSM1050

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-1, M83560-5, M83560-6, M83560-8, M83560-13

CAS No.	Compound	M83682-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		250	141	56* [a]	141	56* [a]	0	70-130/30
71-43-2	Benzene	ND		250	252	101	241	96	4	70-130/30
108-86-1	Bromobenzene	ND		250	233	93	228	91	2	70-130/30
74-97-5	Bromochloromethane	ND		250	254	102	252	101	1	70-130/30
75-27-4	Bromodichloromethane	ND		250	272	109	261	104	4	70-130/30
75-25-2	Bromoform	ND		250	213	85	209	84	2	70-130/30
74-83-9	Bromomethane	ND		250	134	54* [b]	193	77	36* [c]	70-130/30
78-93-3	2-Butanone (MEK)	ND		250	213	85	215	86	1	70-130/30
104-51-8	n-Butylbenzene	ND		250	268	107	261	104	3	70-130/30
135-98-8	sec-Butylbenzene	ND		250	265	106	258	103	3	70-130/30
98-06-6	tert-Butylbenzene	ND		250	270	108	263	105	3	70-130/30
75-15-0	Carbon disulfide	ND		250	305	122	299	120	2	70-130/30
56-23-5	Carbon tetrachloride	ND		250	258	103	246	98	5	70-130/30
108-90-7	Chlorobenzene	ND		250	221	88	217	87	2	70-130/30
75-00-3	Chloroethane	ND		250	325	130	315	126	3	70-130/30
67-66-3	Chloroform	ND		250	279	112	273	109	2	70-130/30
74-87-3	Chloromethane	ND		250	245	98	243	97	1	70-130/30
95-49-8	o-Chlorotoluene	ND		250	259	104	251	100	3	70-130/30
106-43-4	p-Chlorotoluene	ND		250	262	105	255	102	3	70-130/30
96-12-8	1,2-Dibromo-3-chloropropane	ND		250	253	101	248	99	2	70-130/30
124-48-1	Dibromochloromethane	ND		250	235	94	230	92	2	70-130/30
106-93-4	1,2-Dibromoethane	ND		250	223	89	217	87	3	70-130/30
95-50-1	1,2-Dichlorobenzene	ND		250	240	96	237	95	1	70-130/30
541-73-1	1,3-Dichlorobenzene	ND		250	239	96	237	95	1	70-130/30
106-46-7	1,4-Dichlorobenzene	ND		250	236	94	230	92	3	70-130/30
75-71-8	Dichlorodifluoromethane	ND		250	270	108	255	102	6	70-130/30
75-34-3	1,1-Dichloroethane	ND		250	274	110	266	106	3	70-130/30
107-06-2	1,2-Dichloroethane	ND		250	268	107	258	103	4	70-130/30
75-35-4	1,1-Dichloroethene	ND		250	266	106	255	102	4	70-130/30
156-59-2	cis-1,2-Dichloroethene	ND		250	270	108	264	106	2	70-130/30
156-60-5	trans-1,2-Dichloroethene	ND		250	262	105	257	103	2	70-130/30
78-87-5	1,2-Dichloropropane	ND		250	244	98	238	95	2	70-130/30
142-28-9	1,3-Dichloropropane	ND		250	236	94	229	92	3	70-130/30
594-20-7	2,2-Dichloropropane	ND		250	258	103	244	98	6	70-130/30
563-58-6	1,1-Dichloropropene	ND		250	252	101	239	96	5	70-130/30
10061-01-5	cis-1,3-Dichloropropene	ND		250	237	95	226	90	5	70-130/30

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83682-1MS	M32801.D	5	06/18/09	SC	n/a	n/a	MSM1050
M83682-1MSD	M32802.D	5	06/18/09	SC	n/a	n/a	MSM1050
M83682-1	M32800.D	1	06/18/09	SC	n/a	n/a	MSM1050

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-1, M83560-5, M83560-6, M83560-8, M83560-13

CAS No.	Compound	M83682-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
10061-02-6	trans-1,3-Dichloropropene	ND		250	232	93	222	89	4	70-130/30
100-41-4	Ethylbenzene	ND		250	237	95	229	92	3	70-130/30
87-68-3	Hexachlorobutadiene	ND		250	208	83	206	82	1	70-130/30
591-78-6	2-Hexanone	ND		250	224	90	218	87	3	70-130/30
74-88-4	Iodomethane	ND		250	171	68* b	196	78	14	70-130/30
98-82-8	Isopropylbenzene	ND		250	262	105	254	102	3	70-130/30
99-87-6	p-Isopropyltoluene	ND		250	253	101	245	98	3	70-130/30
1634-04-4	Methyl Tert Butyl Ether	ND		250	301	120	290	116	4	70-130/30
108-10-1	4-Methyl-2-pentanone (MIBK)	ND		250	289	116	279	112	4	70-130/30
74-95-3	Methylene bromide	ND		250	259	104	245	98	6	70-130/30
75-09-2	Methylene chloride	ND		250	286	114	276	110	4	70-130/30
91-20-3	Naphthalene	ND		250	234	94	240	96	3	70-130/30
103-65-1	n-Propylbenzene	ND		250	268	107	261	104	3	70-130/30
100-42-5	Styrene	ND		250	232	93	227	91	2	70-130/30
630-20-6	1,1,1,2-Tetrachloroethane	ND		250	223	89	215	86	4	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	266	106	258	103	3	70-130/30
127-18-4	Tetrachloroethene	ND		250	210	84	202	81	4	70-130/30
108-88-3	Toluene	ND		250	250	100	240	96	4	70-130/30
87-61-6	1,2,3-Trichlorobenzene	ND		250	220	88	223	89	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	ND		250	215	86	219	88	2	70-130/30
71-55-6	1,1,1-Trichloroethane	ND		250	277	111	266	106	4	70-130/30
79-00-5	1,1,2-Trichloroethane	ND		250	250	100	240	96	4	70-130/30
79-01-6	Trichloroethene	ND		250	241	96	232	93	4	70-130/30
75-69-4	Trichlorofluoromethane	ND		250	266	106	250	100	6	70-130/30
96-18-4	1,2,3-Trichloropropane	ND		250	254	102	250	100	2	70-130/30
95-63-6	1,2,4-Trimethylbenzene	ND		250	268	107	263	105	2	70-130/30
108-67-8	1,3,5-Trimethylbenzene	ND		250	264	106	258	103	2	70-130/30
108-05-4	Vinyl Acetate	ND		250	365	146* d	358	143* d	2	70-130/30
75-01-4	Vinyl chloride	ND		250	301	120	290	116	4	70-130/30
1330-20-7	Xylene (total)	1.3		750	727	97	704	94	3	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	M83682-1	Limits
1868-53-7	Dibromofluoromethane	112%	113%	110%	70-130%
2037-26-5	Toluene-D8	102%	103%	102%	70-130%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83682-1MS	M32801.D	5	06/18/09	SC	n/a	n/a	MSM1050
M83682-1MSD	M32802.D	5	06/18/09	SC	n/a	n/a	MSM1050
M83682-1	M32800.D	1	06/18/09	SC	n/a	n/a	MSM1050

The QC reported here applies to the following samples: **Method:** SW846 8260B

M83560-1, M83560-5, M83560-6, M83560-8, M83560-13

CAS No.	Surrogate Recoveries	MS	MSD	M83682-1	Limits
460-00-4	4-Bromofluorobenzene	105%	107%	108%	70-130%

(a) Outside control limits. Blank Spike meets program technical requirements.
(b) Outside control limits due to possible matrix interference. Refer to Blank Spike.
(c) High RPD due to possible matrix interference and/or sample non-homogeneity.
(d) Outside control limits. Associated samples are non-detect for this compound.

Instrument Performance Check (BFB)

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample:	MSE1666-BFB	**Injection Date:**	06/10/09
Lab File ID:	E37266.D	**Injection Time:**	18:34
Instrument ID:	GCMSE		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	4562	15.4		Pass
75	30.0 - 60.0% of mass 95	12807	43.1		Pass
95	Base peak, 100% relative abundance	29688	100.0		Pass
96	5.0 - 9.0% of mass 95	1823	6.1		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 150.0% of mass 95	26528	89.4		Pass
175	5.0 - 9.0% of mass 174	1883	6.3	(7.1) [a]	Pass
176	95.0 - 101.0% of mass 174	26360	88.8	(99.4) [a]	Pass
177	5.0 - 9.0% of mass 176	1574	5.3	(6.0) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSE1666-IC1666	E37267.D	06/10/09	19:02	00:28	Initial cal 0.5
MSE1666-IC1666	E37268.D	06/10/09	19:30	00:56	Initial cal 1
MSE1666-IC1666	E37269.D	06/10/09	20:00	01:26	Initial cal 2
MSE1666-IC1666	E37270.D	06/10/09	20:29	01:55	Initial cal 5
MSE1666-IC1666	E37271.D	06/10/09	20:58	02:24	Initial cal 25
MSE1666-IC1666	E37272.D	06/10/09	21:27	02:53	Initial cal 400
MSE1666-IC1666	E37273.D	06/10/09	21:48	03:14	Initial cal 300
MSE1666-IC1666	E37274.D	06/10/09	22:17	03:43	Initial cal 200
MSE1666-ICC1666	E37275.D	06/10/09	22:46	04:12	Initial cal 100
MSE1666-IC1666	E37276.D	06/10/09	23:15	04:41	Initial cal 50
MSE1666-ICV1666	E37277.D	06/10/09	23:44	05:10	Initial cal verification 50

Instrument Performance Check (BFB)

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSE1668-BFB
Lab File ID: E37344.D
Instrument ID: GCMSE
Injection Date: 06/15/09
Injection Time: 15:40

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	2420	16.8		Pass
75	30.0 - 60.0% of mass 95	6943	48.2		Pass
95	Base peak, 100% relative abundance	14400	100.0		Pass
96	5.0 - 9.0% of mass 95	798	5.5		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 150.0% of mass 95	16624	115.4		Pass
175	5.0 - 9.0% of mass 174	1318	9.2	(7.9) [a]	Pass
176	95.0 - 101.0% of mass 174	16464	114.3	(99.0) [a]	Pass
177	5.0 - 9.0% of mass 176	1096	7.6	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSE1668-CC1666	E37345.D	06/15/09	16:09	00:29	Continuing cal 50
MSE1669-BS	E37346.D	06/15/09	16:34	00:54	Blank Spike
MSE1668-BS	E37346.D	06/15/09	16:34	00:54	Blank Spike
MSE1668-MB	E37348.D	06/15/09	17:32	01:52	Method Blank
MSE1669-MB	E37348.D	06/15/09	17:32	01:52	Method Blank
M83560-11	E37349.D	06/15/09	18:00	02:20	TRIP BLANK
GP10489-LB1	E37350.D	06/15/09	18:29	02:49	Leachate Blank
ZZZZZZ	E37351.D	06/15/09	18:58	03:18	(unrelated sample)
ZZZZZZ	E37352.D	06/15/09	19:24	03:44	(unrelated sample)
GP10489-LS1	E37353.D	06/15/09	19:53	04:13	Leachate Spike
M83560-1	E37354.D	06/15/09	20:16	04:36	MW-34
M83560-1MS	E37355.D	06/15/09	20:45	05:05	Matrix Spike
M83560-1MSD	E37356.D	06/15/09	21:14	05:34	Matrix Spike Duplicate
M83560-1	E37357.D	06/15/09	21:43	06:03	MW-34
M83560-5	E37361.D	06/15/09	23:31	07:51	MW-12I
M83560-6	E37362.D	06/16/09	00:01	08:21	MW-31

Instrument Performance Check (BFB)

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample:	MSM1022-BFB	**Injection Date:**	05/08/09
Lab File ID:	M31846.D	**Injection Time:**	18:20
Instrument ID:	GCMSM		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	19008	22.7		Pass
75	30.0 - 60.0% of mass 95	42610	50.9		Pass
95	Base peak, 100% relative abundance	83736	100.0		Pass
96	5.0 - 9.0% of mass 95	5414	6.5		Pass
173	Less than 2.0% of mass 174	529	0.63	(0.86) [a]	Pass
174	50.0 - 150.0% of mass 95	61298	73.2		Pass
175	5.0 - 9.0% of mass 174	4703	5.6	(7.7) [a]	Pass
176	95.0 - 101.0% of mass 174	59133	70.6	(96.5) [a]	Pass
177	5.0 - 9.0% of mass 176	3722	4.4	(6.3) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM1022-IC1022	M31847.D	05/08/09	18:47	00:27	Initial cal 0.5
MSM1022-IC1022	M31848.D	05/08/09	19:15	00:55	Initial cal 1
MSM1022-IC1022	M31849.D	05/08/09	19:43	01:23	Initial cal 2
MSM1022-IC1022	M31850.D	05/08/09	20:10	01:50	Initial cal 5
MSM1022-IC1022	M31851.D	05/08/09	20:38	02:18	Initial cal 25
MSM1022-IC1022	M31852.D	05/08/09	21:05	02:45	Initial cal 400
MSM1022-IC1022	M31853.D	05/08/09	21:32	03:12	Initial cal 300
MSM1022-IC1022	M31854.D	05/08/09	21:59	03:39	Initial cal 200
MSM1022-ICC1022	M31855.D	05/08/09	22:26	04:06	Initial cal 100
MSM1022-IC1022	M31856.D	05/08/09	22:53	04:33	Initial cal 50
MSM1022-ICV1022	M31857.D	05/08/09	23:20	05:00	Initial cal verification 50
MSM1022-BS	M31858.D	05/08/09	23:47	05:27	Blank Spike

Instrument Performance Check (BFB)

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample:	MSM1049-BFB	**Injection Date:**	06/17/09
Lab File ID:	M32755.D	**Injection Time:**	13:40
Instrument ID:	GCMSM		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	17280	25.1		Pass
75	30.0 - 60.0% of mass 95	34688	50.4		Pass
95	Base peak, 100% relative abundance	68872	100.0		Pass
96	5.0 - 9.0% of mass 95	4166	6.0		Pass
173	Less than 2.0% of mass 174	310	0.45	(0.67) [a]	Pass
174	50.0 - 150.0% of mass 95	46128	67.0		Pass
175	5.0 - 9.0% of mass 174	3381	4.9	(7.3) [a]	Pass
176	95.0 - 101.0% of mass 174	44136	64.1	(95.7) [a]	Pass
177	5.0 - 9.0% of mass 176	2809	4.1	(6.4) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM1049-CC1022	M32755.D	06/17/09	13:40	00:00	Continuing cal 100
MSM1049-BS	M32756.D	06/17/09	14:07	00:27	Blank Spike
MSM1049-BSD	M32757.D	06/17/09	14:34	00:54	Blank Spike Duplicate
MSM1049-MB	M32759.D	06/17/09	15:27	01:47	Method Blank
M83560-2	M32760.D	06/17/09	15:54	02:14	MW-13S
M83560-3	M32761.D	06/17/09	16:21	02:41	MW-23R
M83560-4	M32762.D	06/17/09	16:48	03:08	MW-12S
M83560-7	M32763.D	06/17/09	17:16	03:36	MW-28D
M83560-9	M32764.D	06/17/09	17:42	04:02	SW-DOWNGRADIENT
M83560-10	M32765.D	06/17/09	18:09	04:29	SW-UPGRADIENT
M83560-12	M32766.D	06/17/09	18:36	04:56	MW-32
M83598-5	M32767.D	06/17/09	19:03	05:23	(used for QC only; not part of job M83560)
M83598-5MS	M32768.D	06/17/09	19:30	05:50	Matrix Spike
M83598-5MSD	M32769.D	06/17/09	19:57	06:17	Matrix Spike Duplicate
M83598-5	M32770.D	06/17/09	20:24	06:44	(used for QC only; not part of job M83560)
ZZZZZZ	M32771.D	06/17/09	20:50	07:10	(unrelated sample)
ZZZZZZ	M32772.D	06/17/09	21:17	07:37	(unrelated sample)
ZZZZZZ	M32773.D	06/17/09	21:44	08:04	(unrelated sample)
ZZZZZZ	M32776.D	06/17/09	23:04	09:24	(unrelated sample)
ZZZZZZ	M32777.D	06/17/09	23:31	09:51	(unrelated sample)
ZZZZZZ	M32778.D	06/17/09	23:58	10:18	(unrelated sample)
ZZZZZZ	M32779.D	06/18/09	00:24	10:44	(unrelated sample)
ZZZZZZ	M32780.D	06/18/09	00:51	11:11	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample:	MSM1050-BFB	**Injection Date:**	06/18/09
Lab File ID:	M32786.D	**Injection Time:**	14:43
Instrument ID:	GCMSM		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	17344	23.2		Pass
75	30.0 - 60.0% of mass 95	39080	52.4		Pass
95	Base peak, 100% relative abundance	74648	100.0		Pass
96	5.0 - 9.0% of mass 95	5411	7.2		Pass
173	Less than 2.0% of mass 174	430	0.58	(0.83) [a]	Pass
174	50.0 - 150.0% of mass 95	52112	69.8		Pass
175	5.0 - 9.0% of mass 174	3973	5.3	(7.6) [a]	Pass
176	95.0 - 101.0% of mass 174	49744	66.6	(95.5) [a]	Pass
177	5.0 - 9.0% of mass 176	3195	4.3	(6.4) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSM1050-CC1022	M32786.D	06/18/09	14:43	00:00	Continuing cal 50
MSM1050-BS	M32786.D	06/18/09	14:43	00:00	Blank Spike
MSM1050-BSD	M32787.D	06/18/09	15:12	00:29	Blank Spike Duplicate
MSM1050-MB	M32789.D	06/18/09	16:05	01:22	Method Blank
M83560-13	M32790.D	06/18/09	16:32	01:49	PZ-1
M83560-8	M32791.D	06/18/09	17:00	02:17	MW-28S
M83560-1	M32792.D	06/18/09	17:26	02:43	MW-34
M83560-5	M32793.D	06/18/09	17:53	03:10	MW-12I
M83560-6	M32794.D	06/18/09	18:20	03:37	MW-31
ZZZZZZ	M32795.D	06/18/09	18:50	04:07	(unrelated sample)
M83560-5	M32796.D	06/18/09	19:21	04:38	MW-12I
M83560-6	M32797.D	06/18/09	19:48	05:05	MW-31
ZZZZZZ	M32798.D	06/18/09	20:15	05:32	(unrelated sample)
M83682-1	M32800.D	06/18/09	21:09	06:26	(used for QC only; not part of job M83560)
M83682-1MS	M32801.D	06/18/09	21:36	06:53	Matrix Spike
M83682-1MSD	M32802.D	06/18/09	22:02	07:19	Matrix Spike Duplicate
ZZZZZZ	M32803.D	06/18/09	22:29	07:46	(unrelated sample)
ZZZZZZ	M32804.D	06/18/09	22:56	08:13	(unrelated sample)
ZZZZZZ	M32805.D	06/18/09	23:23	08:40	(unrelated sample)
ZZZZZZ	M32806.D	06/18/09	23:50	09:07	(unrelated sample)
ZZZZZZ	M32807.D	06/19/09	00:17	09:34	(unrelated sample)
ZZZZZZ	M32808.D	06/19/09	00:44	10:01	(unrelated sample)
ZZZZZZ	M32809.D	06/19/09	01:11	10:28	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample:	MST393-BFB	**Injection Date:**	06/16/09
Lab File ID:	T10968.D	**Injection Time:**	13:56
Instrument ID:	GCMST		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	30045	15.1		Pass
75	30.0 - 60.0% of mass 95	101414	51.0		Pass
95	Base peak, 100% relative abundance	198699	100.0		Pass
96	5.0 - 9.0% of mass 95	13822	7.0		Pass
173	Less than 2.0% of mass 174	911	0.46	(0.66) [a]	Pass
174	50.0 - 100.0% of mass 95	137198	69.0		Pass
175	5.0 - 9.0% of mass 174	10152	5.1	(7.4) [a]	Pass
176	95.0 - 101.0% of mass 174	132554	66.7	(96.6) [a]	Pass
177	5.0 - 9.0% of mass 176	9055	4.6	(6.8) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MST393-ICC393	T10968.D	06/16/09	13:56	00:00	Initial cal 100
MST393-IC393	T10969.D	06/16/09	14:22	00:26	Initial cal 50
MST393-IC393	T10970.D	06/16/09	14:49	00:53	Initial cal 25
MST393-IC393	T10971.D	06/16/09	15:16	01:20	Initial cal 5
MST393-IC393	T10972.D	06/16/09	15:42	01:46	Initial cal 2
MST393-IC393	T10973.D	06/16/09	16:09	02:13	Initial cal 1
MST393-IC393	T10974.D	06/16/09	16:35	02:39	Initial cal 0.5
MST393-IC393	T10975.D	06/16/09	17:02	03:06	Initial cal 0.25
MST393-IC393	T10976.D	06/16/09	17:29	03:33	Initial cal 200
MST393-IC393	T10977.D	06/16/09	17:56	04:00	Initial cal 400
MST393-ICV393	T10979.D	06/16/09	18:49	04:53	Initial cal verification 50
MST393-BS	T10980.D	06/16/09	19:16	05:20	Blank Spike
MST393-MB	T10982.D	06/16/09	20:10	06:14	Method Blank
ZZZZZZ	T10983.D	06/16/09	20:36	06:40	(unrelated sample)
ZZZZZZ	T10984.D	06/16/09	21:03	07:07	(unrelated sample)
ZZZZZZ	T10985.D	06/16/09	21:30	07:34	(unrelated sample)
ZZZZZZ	T10986.D	06/16/09	21:56	08:00	(unrelated sample)
ZZZZZZ	T10987.D	06/16/09	22:23	08:27	(unrelated sample)
ZZZZZZ	T10988.D	06/16/09	22:50	08:54	(unrelated sample)
ZZZZZZ	T10989.D	06/16/09	23:16	09:20	(unrelated sample)
ZZZZZZ	T10990.D	06/16/09	23:43	09:47	(unrelated sample)
M83533-25	T10991.D	06/17/09	00:09	10:13	(used for QC only; not part of job M83560)
ZZZZZZ	T10992.D	06/17/09	00:35	10:39	(unrelated sample)
ZZZZZZ	T10993.D	06/17/09	01:02	11:06	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample:	MST393-BFB	**Injection Date:**	06/16/09
Lab File ID:	T10968.D	**Injection Time:**	13:56
Instrument ID:	GCMST		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
M83533-25MS	T10994.D	06/17/09	01:29	11:33	Matrix Spike
M83533-25MSD	T10995.D	06/17/09	01:56	12:00	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample:	MST394-BFB	**Injection Date:**	06/17/09
Lab File ID:	T11017.D	**Injection Time:**	13:07
Instrument ID:	GCMST		

5.5.7 5

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	42264	15.6		Pass
75	30.0 - 60.0% of mass 95	136768	50.5		Pass
95	Base peak, 100% relative abundance	270976	100.0		Pass
96	5.0 - 9.0% of mass 95	19176	7.1		Pass
173	Less than 2.0% of mass 174	1407	0.52	(0.8) [a]	Pass
174	50.0 - 100.0% of mass 95	175360	64.7		Pass
175	5.0 - 9.0% of mass 174	13305	4.9	(7.6) [a]	Pass
176	95.0 - 101.0% of mass 174	169472	62.5	(96.6) [a]	Pass
177	5.0 - 9.0% of mass 176	11664	4.3	(6.9) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MST394-CC393	T11018.D	06/17/09	13:34	00:27	Continuing cal 50
MST394-BS	T11018.D	06/17/09	13:34	00:27	Blank Spike
MST394-BSD	T11019.D	06/17/09	14:01	00:54	Blank Spike Duplicate
MST394-MB	T11021.D	06/17/09	14:55	01:48	Method Blank
M83560-14	T11022.D	06/17/09	15:22	02:15	APMW-1
M83560-15	T11023.D	06/17/09	15:48	02:41	MW-16
M83560-16	T11024.D	06/17/09	16:15	03:08	APMW-2
M83560-17	T11025.D	06/17/09	16:42	03:35	MW-6
M83560-18	T11026.D	06/17/09	17:09	04:02	MW-19I
M83560-20	T11027.D	06/17/09	17:36	04:29	MW-29S
M83560-21	T11028.D	06/17/09	18:02	04:55	MW-29D
M83560-22	T11029.D	06/17/09	18:29	05:22	MW-33
M83560-23	T11030.D	06/17/09	18:56	05:49	MW-22S
M83560-24	T11031.D	06/17/09	19:23	06:16	MW-30
M83560-25	T11032.D	06/17/09	19:49	06:42	MW-26
M83560-26	T11033.D	06/17/09	20:16	07:09	MW-25
M83560-19	T11034.D	06/17/09	20:43	07:36	MW-19S
M83560-27	T11035.D	06/17/09	21:10	08:03	MW-27
M83560-28	T11036.D	06/17/09	21:37	08:30	MW-35
M83560-29	T11037.D	06/17/09	22:03	08:56	MW-36
M83560-30	T11038.D	06/17/09	22:30	09:23	MW-20S
M83560-31	T11039.D	06/17/09	22:57	09:50	MW-20D
M83560-32	T11040.D	06/17/09	23:23	10:16	MW-24
M83560-33	T11041.D	06/17/09	23:50	10:43	MW-5

Instrument Performance Check (BFB)

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample:	MST394-BFB	**Injection Date:**	06/17/09
Lab File ID:	T11017.D	**Injection Time:**	13:07
Instrument ID:	GCMST		

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
M83560-19MS	T11042.D	06/18/09	00:17	11:10	Matrix Spike
M83560-19MSD	T11043.D	06/18/09	00:44	11:37	Matrix Spike Duplicate

5.5.7

Instrument Performance Check (BFB)

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample:	MST395-BFB	**Injection Date:**	06/18/09
Lab File ID:	T11046.D	**Injection Time:**	02:03
Instrument ID:	GCMST		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	36024	15.4		Pass
75	30.0 - 60.0% of mass 95	117192	50.3		Pass
95	Base peak, 100% relative abundance	233216	100.0		Pass
96	5.0 - 9.0% of mass 95	16187	6.9		Pass
173	Less than 2.0% of mass 174	970	0.42	(0.63) [a]	Pass
174	50.0 - 100.0% of mass 95	153152	65.7		Pass
175	5.0 - 9.0% of mass 174	11708	5.0	(7.6) [a]	Pass
176	95.0 - 101.0% of mass 174	147392	63.2	(96.2) [a]	Pass
177	5.0 - 9.0% of mass 176	9568	4.1	(6.5) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MST395-CC393	T11046.D	06/18/09	02:03	00:00	Continuing cal 50
MST395-BS	T11046.D	06/18/09	02:03	00:00	Blank Spike
MST395-BSD	T11047.D	06/18/09	02:30	00:27	Blank Spike Duplicate
MST395-MB	T11049.D	06/18/09	03:23	01:20	Method Blank
ZZZZZZ	T11050.D	06/18/09	03:50	01:47	(unrelated sample)
ZZZZZZ	T11053.D	06/18/09	05:11	03:08	(unrelated sample)
ZZZZZZ	T11054.D	06/18/09	05:38	03:35	(unrelated sample)
ZZZZZZ	T11055.D	06/18/09	06:04	04:01	(unrelated sample)
ZZZZZZ	T11056.D	06/18/09	06:31	04:28	(unrelated sample)
ZZZZZZ	T11057.D	06/18/09	06:58	04:55	(unrelated sample)
ZZZZZZ	T11058.D	06/18/09	07:25	05:22	(unrelated sample)
ZZZZZZ	T11059.D	06/18/09	07:51	05:48	(unrelated sample)
ZZZZZZ	T11060.D	06/18/09	08:18	06:15	(unrelated sample)
ZZZZZZ	T11061.D	06/18/09	08:45	06:42	(unrelated sample)
ZZZZZZ	T11062.D	06/18/09	09:12	07:09	(unrelated sample)
ZZZZZZ	T11063.D	06/18/09	09:39	07:36	(unrelated sample)
ZZZZZZ	T11064.D	06/18/09	10:06	08:03	(unrelated sample)
M83577-22MS	T11066.D	06/18/09	11:00	08:57	Matrix Spike
M83577-22MSD	T11067.D	06/18/09	11:26	09:23	Matrix Spike Duplicate
M83577-22	T11069.D	06/18/09	12:23	10:20	(used for QC only; not part of job M83560)
ZZZZZZ	T11070.D	06/18/09	12:50	10:47	(unrelated sample)
ZZZZZZ	T11071.D	06/18/09	13:16	11:13	(unrelated sample)
M83560-31	T11072.D	06/18/09	13:43	11:40	MW-20D

Volatile Internal Standard Area Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Check Std:	MSE1668-CC1666	**Injection Date:**	06/15/09
Lab File ID:	E37345.D	**Injection Time:**	16:09
Instrument ID:	GCMSE	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	85973	9.33	149164	10.22	88741	13.49	78155	16.04	40153	6.84
Upper Limit [a]	171946	9.83	298328	10.72	177482	13.99	156310	16.54	80306	7.34
Lower Limit [b]	42987	8.83	74582	9.72	44371	12.99	39078	15.54	20077	6.34
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**
MSE1669-BS	85425	9.33	147341	10.21	86519	13.48	78712	16.04	40778	6.83
MSE1668-BS	85425	9.33	147341	10.21	86519	13.48	78712	16.04	40778	6.83
MSE1668-MB	83978	9.33	144263	10.21	83556	13.48	74791	16.04	38550	6.83
MSE1669-MB	83978	9.33	144263	10.21	83556	13.48	74791	16.04	38550	6.83
M83560-11	83622	9.33	145780	10.21	84674	13.48	73179	16.04	33173	6.84
GP10489-LB1	81987	9.33	144443	10.21	82982	13.48	76246	16.04	31819	6.83
ZZZZZZ	79050	9.34	136582	10.21	81249	13.48	68970	16.04	34696	6.83
ZZZZZZ	81997	9.33	144476	10.21	84977	13.48	74109	16.04	35725	6.83
GP10489-LS1	83867	9.33	151605	10.21	88924	13.48	78635	16.04	37661	6.83
M83560-1	79439	9.33	136220	10.22	78949	13.49	79701	16.04	42926	6.84
M83560-1MS	86482	9.33	149841	10.22	91471	13.48	78786	16.04	34500	6.83
M83560-1MSD	86337	9.33	153281	10.21	91231	13.49	79535	16.04	35818	6.83
M83560-1	85713	9.33	149780	10.21	86636	13.48	76472	16.04	34466	6.83
M83560-5	78704	9.33	145155	10.21	83052	13.48	78702	16.04	43585	6.83
M83560-6	77971	9.34	143512	10.22	80384	13.48	103666	16.04	49838	6.83

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

5.6.1

5

Volatile Internal Standard Area Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Check Std: MSM1049-CC1022 **Injection Date:** 06/17/09
Lab File ID: M32755.D **Injection Time:** 13:40
Instrument ID: GCMSM **Method:** SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	137410	9.27	247759	10.14	146233	13.41	120208	15.97	217259	6.82
Upper Limit [a]	274820	9.77	495518	10.64	292466	13.91	240416	16.47	434518	7.32
Lower Limit [b]	68705	8.77	123880	9.64	73117	12.91	60104	15.47	108630	6.32

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSM1049-BS	140574	9.27	252960	10.14	151354	13.41	118393	15.97	219450	6.82
MSM1049-BSD	141743	9.27	261412	10.14	155437	13.41	120358	15.97	218688	6.82
MSM1049-MB	140363	9.27	258039	10.14	148452	13.41	113062	15.98	213143	6.83
M83560-2	138712	9.27	256091	10.15	148330	13.41	110982	15.98	213636	6.82
M83560-3 [c]	137175	9.27	251815	10.14	146922	13.41	111392	15.97	219176	6.82
M83560-4	135872	9.27	254640	10.15	145732	13.41	120294	15.98	189501	6.82
M83560-7	134455	9.27	250398	10.15	145371	13.41	109063	15.98	220277	6.82
M83560-9	136553	9.27	251995	10.15	146326	13.42	111776	15.98	236748	6.83
M83560-10	135859	9.27	250298	10.15	145089	13.41	109910	15.98	220837	6.82
M83560-12 [c]	135207	9.27	251517	10.14	144663	13.41	112942	15.98	213327	6.83
M83598-5	143342	9.27	257253	10.15	156493	13.41	127982	15.98	228767	6.82
M83598-5MS	147004	9.27	265364	10.14	158756	13.41	124712	15.97	235949	6.82
M83598-5MSD	146892	9.27	265891	10.14	160602	13.41	125120	15.98	228848	6.82
M83598-5	150813	9.27	272752	10.15	158131	13.41	124911	15.98	227735	6.82
ZZZZZZ	151441	9.27	278668	10.15	161162	13.41	130924	15.97	229991	6.82
ZZZZZZ	151283	9.27	280918	10.15	160670	13.41	127777	15.98	247902	6.82
ZZZZZZ	153922	9.27	278618	10.14	159559	13.41	129076	15.98	238397	6.82
ZZZZZZ	153396	9.27	282199	10.15	164021	13.41	133757	15.97	246369	6.82
ZZZZZZ	153905	9.27	281016	10.14	165239	13.41	132788	15.97	245352	6.82
ZZZZZZ	153722	9.27	277957	10.15	159367	13.41	125166	15.98	239651	6.82
ZZZZZZ	153614	9.27	282729	10.15	163777	13.41	131087	15.97	240897	6.82
ZZZZZZ	153409	9.27	280217	10.15	163488	13.41	124701	15.98	233726	6.82

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) The pH of the sample aliquot for VOA analysis was > 2 at time of analysis.

Volatile Internal Standard Area Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Check Std: MSM1050-CC1022 **Injection Date:** 06/18/09
Lab File ID: M32786.D **Injection Time:** 14:43
Instrument ID: GCMSM **Method:** SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	144063	9.27	264602	10.15	161162	13.41	125456	15.97	241591	6.82
Upper Limit [a]	288126	9.77	529204	10.65	322324	13.91	250912	16.47	483182	7.32
Lower Limit [b]	72032	8.77	132301	9.65	80581	12.91	62728	15.47	120796	6.32

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MSM1050-BS	144063	9.27	264602	10.15	161162	13.41	125456	15.97	241591	6.82
MSM1050-BSD	143217	9.27	268860	10.15	164308	13.41	126391	15.97	255398	6.82
MSM1050-MB	141682	9.27	264351	10.15	156967	13.41	119325	15.98	237323	6.82
M83560-13	139567	9.27	257634	10.15	151238	13.41	117129	15.98	234512	6.83
M83560-8	141206	9.27	263791	10.15	154924	13.41	127588	15.98	204999	6.83
M83560-1	139104	9.27	261961	10.15	154901	13.41	118997	15.98	234286	6.83
M83560-5	140758	9.27	260851	10.15	156387	13.41	120452	15.98	234559	6.83
M83560-6	137366	9.27	256920	10.14	150175	13.41	115271	15.98	225328	6.83
ZZZZZZ	140286	9.27	266515	10.15	162306	13.41	131775	15.98	292598	6.82
M83560-5	150502	9.27	271398	10.15	169484	13.41	144692	15.97	305422	6.82
M83560-6	138052	9.27	260088	10.15	155288	13.41	120700	15.98	238736	6.83
ZZZZZZ	130604	9.27	247143	10.15	147416	13.41	116684	15.98	260568	6.82
M83682-1	131687	9.27	245918	10.15	148507	13.41	116621	15.97	219585	6.82
M83682-1MS	137260	9.27	255796	10.15	161675	13.41	129223	15.97	231360	6.82
M83682-1MSD	135699	9.27	255759	10.14	160306	13.41	126777	15.97	233653	6.82
ZZZZZZ	135719	9.27	253241	10.14	152018	13.41	115947	15.98	223583	6.82
ZZZZZZ	131761	9.27	248589	10.15	147181	13.41	113431	15.98	221759	6.83
ZZZZZZ	130235	9.27	247890	10.15	149555	13.41	117044	15.98	220764	6.83
ZZZZZZ	132982	9.27	249372	10.15	151688	13.41	117518	15.98	227721	6.83
ZZZZZZ	132195	9.27	249262	10.15	149965	13.42	113947	15.98	220009	6.82
ZZZZZZ	129877	9.27	245047	10.14	147791	13.41	114717	15.98	214972	6.82
ZZZZZZ	130916	9.27	249176	10.15	149837	13.41	115501	15.98	223206	6.82

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Check Std:	MST394-CC393	**Injection Date:**	06/17/09
Lab File ID:	T11018.D	**Injection Time:**	13:34
Instrument ID:	GCMST	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	554914	8.71	973304	9.60	601609	12.92	464947	15.52	112642	6.21
Upper Limit [a]	1109828	9.21	1946608	10.10	1203218	13.42	929894	16.02	225284	6.71
Lower Limit [b]	277457	8.21	486652	9.10	300805	12.42	232474	15.02	56321	5.71
Lab Sample ID	**IS 1 AREA**	**RT**	**IS 2 AREA**	**RT**	**IS 3 AREA**	**RT**	**IS 4 AREA**	**RT**	**IS 5 AREA**	**RT**
MST394-BS	554914	8.71	973304	9.60	601609	12.92	464947	15.52	112642	6.21
MST394-BSD	562411	8.71	992725	9.60	610424	12.92	475228	15.52	116207	6.21
MST394-MB	487918	8.71	854788	9.60	528215	12.92	395883	15.52	93368	6.21
M83560-14	527708	8.71	924752	9.60	567029	12.92	416410	15.52	103398	6.21
M83560-15	484571	8.71	863644	9.60	536724	12.92	392483	15.52	93873	6.21
M83560-16	490844	8.71	869333	9.60	539907	12.92	392459	15.52	100964	6.21
M83560-17	430085	8.71	749995	9.60	460021	12.92	359442	15.52	102122	6.21
M83560-18	430131	8.71	727115	9.60	442243	12.92	328898	15.52	102048	6.21
M83560-20	433057	8.71	730178	9.60	451555	12.92	339892	15.52	105007	6.21
M83560-21	436965	8.71	724825	9.60	443898	12.92	328194	15.52	110313	6.21
M83560-22	449321	8.71	765488	9.60	480581	12.92	367563	15.52	112825	6.21
M83560-23	412101	8.71	706520	9.60	434821	12.92	320491	15.52	103730	6.21
M83560-24	414707	8.71	712827	9.60	441191	12.92	320205	15.52	105149	6.21
M83560-25	398711	8.71	683389	9.60	416103	12.92	320454	15.52	101023	6.21
M83560-26	369969	8.71	639247	9.60	387617	12.92	285876	15.52	97670	6.21
M83560-19 [c]	409091	8.71	693197	9.60	425648	12.92	308954	15.52	99026	6.21
M83560-27	395295	8.71	687668	9.60	415309	12.92	328792	15.52	93273	6.21
M83560-28	423463	8.71	734501	9.60	443618	12.92	344174	15.52	101968	6.21
M83560-29	414985	8.71	701928	9.60	423194	12.92	331219	15.52	102481	6.21
M83560-30 [c]	415686	8.71	718195	9.60	433744	12.92	334851	15.52	100788	6.21
M83560-31	407817	8.71	710838	9.60	429769	12.92	325122	15.52	105604	6.21
M83560-32 [c]	393607	8.71	672904	9.60	407215	12.92	293807	15.52	96534	6.21
M83560-33 [c]	407769	8.71	707893	9.60	431223	12.92	310001	15.52	99798	6.21
M83560-19MS	408692	8.71	713414	9.60	438707	12.92	345277	15.52	99040	6.21
M83560-19MSD	428166	8.71	738093	9.60	453782	12.92	355442	15.52	103208	6.21

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(c) Elevated RL due to dilution required for matrix interference.

Volatile Internal Standard Area Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Check Std:	MST395-CC393	**Injection Date:**	06/18/09
Lab File ID:	T11046.D	**Injection Time:**	02:03
Instrument ID:	GCMST	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
Check Std	471198	8.71	796856	9.60	480721	12.92	372635	15.52	105135	6.21
Upper Limit [a]	942396	9.21	1593712	10.10	961442	13.42	745270	16.02	210270	6.71
Lower Limit [b]	235599	8.21	398428	9.10	240361	12.42	186318	15.02	52568	5.71

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT	IS 5 AREA	RT
MST395-BS	471198	8.71	796856	9.60	480721	12.92	372635	15.52	105135	6.21
MST395-BSD	462062	8.71	781941	9.60	475171	12.92	369133	15.52	104478	6.21
MST395-MB	431592	8.72	732108	9.60	443823	12.92	323283	15.52	102579	6.21
ZZZZZZ	472102	8.71	796518	9.60	498539	12.92	396272	15.52	107327	6.21
ZZZZZZ	468290	8.72	795118	9.60	478381	12.92	360294	15.52	102456	6.21
ZZZZZZ	450586	8.72	766811	9.60	475515	12.92	358791	15.52	103193	6.21
ZZZZZZ	431696	8.72	727333	9.60	452335	12.92	334918	15.53	100405	6.22
ZZZZZZ	437126	8.71	745595	9.60	454607	12.92	334822	15.53	108466	6.21
ZZZZZZ	408396	8.71	695208	9.60	427631	12.92	308935	15.52	91719	6.21
ZZZZZZ	406208	8.72	702099	9.60	431507	12.92	313477	15.52	100504	6.21
ZZZZZZ	428156	8.72	730509	9.60	448942	12.92	319510	15.53	106091	6.21
ZZZZZZ	419596	8.72	725425	9.60	452429	12.92	325974	15.52	101671	6.21
ZZZZZZ	384080	8.72	671063	9.60	411339	12.92	292421	15.53	96574	6.21
ZZZZZZ	391619	8.72	658156	9.60	400357	12.92	310782	15.52	99866	6.22
ZZZZZZ	424758	8.72	726885	9.60	466409	12.92	364137	15.53	103751	6.21
ZZZZZZ	458214	8.72	753383	9.60	459597	12.92	360620	15.52	103770	6.22
M83577-22MS	538660	8.72	939356	9.60	577052	12.93	455157	15.53	106997	6.22
M83577-22MSD	562839	8.72	974611	9.60	601439	12.92	467699	15.53	116981	6.22
M83577-22	528353	8.72	929103	9.61	567470	12.93	415476	15.53	107185	6.21
ZZZZZZ	510862	8.72	901754	9.61	552267	12.93	403024	15.53	106054	6.22
ZZZZZZ	487359	8.72	864992	9.61	534325	12.93	385004	15.53	96113	6.22
M83560-31	484183	8.72	869594	9.61	529879	12.93	390139	15.53	104094	6.22

IS 1 = Pentafluorobenzene
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5
IS 4 = 1,4-Dichlorobenzene-d4
IS 5 = Tert Butyl Alcohol-D9

(a) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(b) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Surrogate Recovery Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
M83560-1	E37357.D	102.0	102.0	101.0
M83560-1	M32792.D	110.0	100.0	110.0
M83560-1	E37354.D	102.0	102.0	96.0
M83560-2	M32760.D	108.0	100.0	110.0
M83560-3	M32761.D	109.0	101.0	108.0
M83560-4	M32762.D	110.0	100.0	104.0
M83560-5	M32796.D	108.0	103.0	106.0
M83560-5	M32793.D	111.0	100.0	109.0
M83560-5	E37361.D	97.0	98.0	96.0
M83560-6	E37362.D	91.0	104.0	78.0
M83560-6	M32797.D	110.0	100.0	108.0
M83560-6	M32794.D	112.0	100.0	109.0
M83560-7	M32763.D	111.0	100.0	110.0
M83560-8	M32791.D	108.0	101.0	108.0
M83560-9	M32764.D	109.0	100.0	108.0
M83560-10	M32765.D	110.0	101.0	108.0
M83560-11	E37349.D	101.0	102.0	107.0
M83560-12	M32766.D	110.0	99.0	108.0
M83560-13	M32790.D	109.0	101.0	110.0
M83560-14	T11022.D	99.0	98.0	101.0
M83560-15	T11023.D	102.0	96.0	100.0
M83560-16	T11024.D	102.0	95.0	100.0
M83560-17	T11025.D	98.0	96.0	101.0
M83560-18	T11026.D	96.0	94.0	100.0
M83560-19	T11034.D	97.0	99.0	99.0
M83560-20	T11027.D	95.0	97.0	101.0
M83560-21	T11028.D	95.0	98.0	99.0
M83560-22	T11029.D	97.0	94.0	101.0
M83560-23	T11030.D	98.0	92.0	99.0
M83560-24	T11031.D	100.0	99.0	100.0
M83560-25	T11032.D	97.0	92.0	101.0
M83560-26	T11033.D	99.0	90.0	99.0
M83560-27	T11035.D	96.0	98.0	97.0
M83560-28	T11036.D	95.0	99.0	98.0
M83560-29	T11037.D	92.0	97.0	100.0
M83560-30	T11038.D	97.0	98.0	99.0
M83560-31	T11072.D	102.0	98.0	102.0
M83560-31	T11039.D	97.0	98.0	100.0
M83560-32	T11040.D	96.0	98.0	100.0
M83560-33	T11041.D	98.0	99.0	101.0

Volatile Surrogate Recovery Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3
M83560-19MS	T11042.D	99.0	100.0	100.0
M83560-19MSD	T11043.D	97.0	100.0	100.0
M83560-1MS	E37355.D	102.0	102.0	103.0
M83560-1MSD	E37356.D	103.0	100.0	104.0
M83577-22MS	T11066.D	100.0	100.0	100.0
M83577-22MSD	T11067.D	99.0	100.0	100.0
M83598-5MS	M32768.D	107.0	102.0	107.0
M83598-5MSD	M32769.D	107.0	102.0	108.0
M83682-1MS	M32801.D	112.0	102.0	105.0
M83682-1MSD	M32802.D	113.0	103.0	107.0
MSE1668-BS	E37346.D	101.0	101.0	101.0
MSE1668-MB	E37348.D	101.0	101.0	102.0
MSM1049-BS	M32756.D	107.0	102.0	106.0
MSM1049-BSD	M32757.D	108.0	99.0	107.0
MSM1049-MB	M32759.D	110.0	100.0	110.0
MSM1050-BS	M32786.D	109.0	101.0	107.0
MSM1050-BSD	M32787.D	111.0	100.0	107.0
MSM1050-MB	M32789.D	110.0	101.0	110.0
MST394-BS	T11018.D	100.0	100.0	102.0
MST394-BSD	T11019.D	101.0	100.0	100.0
MST394-MB	T11021.D	101.0	100.0	100.0
MST395-BS	T11046.D	95.0	99.0	101.0
MST395-BSD	T11047.D	95.0	99.0	100.0
MST395-MB	T11049.D	95.0	98.0	100.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	70-130%
S2 = Toluene-D8	70-130%
S3 = 4-Bromofluorobenzene	70-130%

5.7.1

5

Initial Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSE1666-ICC1666
Lab FileID: E37275.D

5.8.1 5

Response Factor Report MSE

Method : C:\HPCHEM\1\METHODS\E061009W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Jun 12 16:03:16 2009
Response via : Initial Calibration

Calibration Files
1.0 =E37268.D 2.0 =E37269.D 5 =E37270.D 50 =E37276.D
100 =E37275.D 200 =E37274.D 400 =E37272.D 0.5 =E37267.D
25 =E37271.D 300 =E37273.D = =

Compound	1.0	2.0	5	50	100	200	400	0.5	25	300	Avg	%RSD
1) I tert butyl alcohol-d9 ----------ISTD----------												
2) tertiary butyl alcohol	1.444	1.268	1.107	1.048	1.046	1.106		1.068	1.039		1.141	12.56
3) Ethanol	0.184	0.169	0.128	0.120	0.121	0.118		0.123	0.113		0.135	19.64
----- Linear regression ----- Coefficient = 0.9989												
Response Ratio = 0.06100 + 0.11631 *A												
4) I pentafluorobenzene ----------ISTD----------												
5) dichlorodifluoromethane	0.579	0.554	0.509	0.510	0.492	0.593	0.516	0.603	0.535		0.543	7.48
6) chloromethane	0.791	0.815	0.556	0.519	0.463	0.487	0.997	0.698	0.449		0.642	30.03
----- Linear regression ----- Coefficient = 0.9965												
Response Ratio = 0.04563 + 0.46639 *A												
7) vinyl chloride	0.628	0.699	0.481	0.460	0.435	0.513	0.590	0.582	0.462		0.539	16.74
8) bromomethane	0.561	0.518	0.383	0.364	0.353	0.363		0.435	0.340		0.415	20.01
----- Linear regression ----- Coefficient = 0.9983												
Response Ratio = 0.01750 + 0.35205 *A												
9) chloroethane	0.431	0.456	0.319	0.304	0.308	0.346		0.363	0.313		0.355	16.46
----- Linear regression ----- Coefficient = 0.9949												
Response Ratio = -0.01986 + 0.33302 *A												
10) ethyl ether	0.519	0.556	0.464	0.448	0.456	0.497	0.654	0.483	0.456		0.504	13.20
11) acetonitrile			0.131	0.071	0.077	0.079	0.092		0.089	0.074	0.088	23.80
----- Quadratic regression ----- Coefficient = 0.9923												
Response Ratio = 0.01851 + 0.04978 *A + 0.00475 *A^2												
12) trichlorofluoromethane	0.970	0.969	0.763	0.734	0.727	0.830	0.648	0.861	0.746		0.805	13.83
13) freon-113	0.439	0.569	0.466	0.422	0.437	0.495		0.507	0.439		0.472	10.45
14) acrolein			0.004	0.002	0.002	0.002	0.002		0.002	0.002	0.002	49.83
----- Linear regression ----- Coefficient = 0.9974												
Response Ratio = 0.00113 + 0.00153 *A												

Initial Calibration Summary

Job Number: M83560
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Sample: MSE1666-ICC1666
Lab FileID: E37275.D

15) 1,1-dichloroethene
0.581 0.566 0.461 0.450 0.450 0.503 0.741 0.535 0.466 0.528 17.85

16) acetone
0.168 0.108 0.107 0.109 0.134 0.130 0.114 0.124 17.79
----- Quadratic regression ----- Coefficient = 0.9983
Response Ratio = 0.02448 + 0.07190 *A + 0.00719 *A^2

17) Methyl Acetate
1.106 0.789 0.770 0.762 0.857 0.903 0.764 0.850 14.70

18) methylene chloride
0.773 0.777 0.623 0.589 0.602 0.639 0.706 0.589 0.662 11.96

19) methyl tert butyl ether
1.208 1.418 1.383 1.347 1.406 1.461 1.429 1.417 1.395 1.385 5.31

20) acrylonitrile
0.193 0.200 0.178 0.175 0.179 0.197 0.244 0.201 0.178 0.194 10.97

21) allyl chloride
1.110 1.241 0.986 0.935 0.946 1.087 1.373 1.068 0.966 1.079 13.65

22) trans-1,2-dichloroethene
0.628 0.697 0.552 0.554 0.551 0.613 0.805 0.645 0.560 0.623 13.72

23) iodomethane
0.885 0.924 0.859 0.831 0.828 0.856 0.910 0.908 0.826 0.870 4.39

24) carbon disulfide
2.196 2.348 1.794 1.751 1.718 1.992 2.417 2.166 1.773 2.017 13.50

25) propionitrile
0.037 0.032 0.032 0.033 0.037 0.041 0.033 0.035 10.70

26) vinyl acetate
0.958 1.140 1.068 1.048 1.143 1.255 1.488 1.193 1.119 1.157 13.03

27) chloroprene
0.791 0.886 0.859 0.842 0.834 0.946 0.929 0.921 0.836 0.871 5.97

28) di-isopropyl ether
2.206 2.430 2.239 2.142 2.137 2.330 2.482 2.401 2.138 2.278 5.96

29) methacrylonitrile
0.356 0.438 0.371 0.342 0.353 0.396 0.386 0.349 0.374 8.51

30) 2-butanone
0.047 0.042 0.041 0.046 0.052 0.050 0.046 0.046 9.13

31) Hexane
1.072 1.227 0.969 0.922 0.906 1.054 1.147 0.917 1.027 11.53

32) 1,1-dichloroethane
1.235 1.272 1.012 1.007 1.001 1.107 1.291 1.202 1.000 1.125 11.11

33) tert-butyl ethyl ether
1.494 1.799 1.721 1.659 1.696 1.807 1.390 1.720 1.701 1.665 8.25

34) isobutyl alcohol
0.041 0.060 0.060 0.053 0.054 0.059 0.067 0.056 0.056 13.47

35) 2,2-dichloropropane
0.784 0.853 0.604 0.608 0.587 0.681 0.914 0.756 0.597 0.709 17.27
----- Linear regression ----- Coefficient = 0.9923
Response Ratio = -0.03359 + 0.64701 *A

36) cis-1,2-dichloroethene
0.663 0.660 0.613 0.582 0.596 0.635 0.944 0.670 0.591 0.661 16.77
----- Linear regression ----- Coefficient = 0.9979
Response Ratio = -0.01770 + 0.61812 *A

37) bromochloromethane
0.293 0.310 0.290 0.283 0.283 0.293 0.316 0.283 0.294 4.28

38) chloroform
1.149 1.303 1.050 0.992 1.000 1.092 1.440 1.123 1.000 1.128 13.58

39) dibromofluoromethane (s)
0.678 0.676 0.600 0.606 0.600 0.646 0.683 0.664 0.605 0.640 5.74

Initial Calibration Summary

Job Number: M83560
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Project: 42-14 19th Avenue, Astoria NY

Sample: MSE1666-ICC1666
Lab FileID: E37275.D

40) Tetrahydrofuran
0.181 0.161 0.138 0.131 0.137 0.152 0.138 0.134 0.147 11.62
41) 1,1,1-trichloroethane
0.864 1.002 0.795 0.746 0.733 1.253 0.911 0.752 0.882 20.03
----- Linear regression ----- Coefficient = 0.9994
Response Ratio = 0.02659 + 0.74139 *A

42) I 1,4-difluorobenzene ----------ISTD----------
43) Cyclohexane
0.521 0.571 0.508 0.499 0.464 0.511 0.547 0.461 0.510 7.33
44) carbon tetrachloride
0.403 0.516 0.422 0.416 0.439 0.421 0.484 0.451 0.379 0.437 9.58
45) 1,1-dichloropropene
0.423 0.521 0.441 0.455 0.445 0.482 0.507 0.465 0.443 0.464 7.02
46) benzene
1.414 1.633 1.341 1.337 1.308 1.349 1.571 1.454 1.262 1.408 8.83
47) 1,2-dichloroethane
0.493 0.529 0.450 0.444 0.435 0.453 0.481 0.482 0.429 0.466 7.01
48) tert-amyl methyl ether
0.746 0.840 0.936 0.919 0.915 0.947 0.811 0.878 0.886 0.875 7.50
49) heptane
0.537 0.652 0.593 0.568 0.547 0.620 0.750 0.623 0.543 0.604 11.27
50) trichloroethene
0.346 0.399 0.338 0.337 0.329 0.342 0.395 0.354 0.320 0.351 7.86
51) 1,2-dichloropropane
0.417 0.435 0.363 0.355 0.347 0.362 0.386 0.341 0.376 9.08
52) dibromomethane
0.225 0.262 0.229 0.225 0.217 0.222 0.247 0.211 0.230 7.34
53) bromodichloromethane
0.557 0.561 0.488 0.480 0.481 0.503 0.571 0.531 0.468 0.515 7.74
54) Methylcyclohexane
0.406 0.526 0.515 0.509 0.511 0.546 0.497 0.503 0.502 8.27
55) 2-chloroethyl vinyl ether
0.004 0.006 0.005 0.004 0.004 0.008 0.005 0.005 29.22
----- Linear regression ----- Coefficient = 0.9923
Response Ratio = 0.00137 + 0.00416 *A

56) methyl methacrylate
0.164 0.209 0.214 0.219 0.225 0.195 0.209 0.205 9.86
57) 1,4-dioxane
0.002 0.003 0.003 0.002 0.003 0.002 0.002 4.75
58) cis-1,3-dichloropropene
0.528 0.552 0.567 0.570 0.577 0.606 0.592 0.563 0.565 0.569 3.94
59) toluene-d8 (s)
1.172 1.178 1.130 1.129 1.117 1.143 1.182 1.157 1.098 1.145 2.55
60) 4-methyl-2-pentanone
0.258 0.304 0.319 0.313 0.338 0.284 0.311 0.304 8.53
61) toluene
0.778 0.826 0.798 0.774 0.747 0.769 0.858 0.804 0.717 0.786 5.33
62) trans-1,3-dichloropropene
0.383 0.435 0.487 0.491 0.468 0.488 0.468 0.463 0.454 0.460 7.40
63) 1,1,2-trichloroethane
0.255 0.310 0.258 0.252 0.238 0.248 0.283 0.278 0.234 0.262 9.22
64) ethyl methacrylate
0.297 0.366 0.396 0.396 0.397 0.406 0.399 0.382 0.380 9.43

65) I chlorobenzene-d5 ----------ISTD----------
66) tetrachloroethene
0.595 0.591 0.572 0.571 0.563 0.618 0.423 0.594 0.603 0.570 10.17

5.8.1 5

Initial Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSE1666-ICC1666
Lab FileID: E37275.D

67) 1,3-dichloropropane
0.957 1.030 0.921 0.864 0.873 0.954 1.108 0.969 0.918 0.955 8.00

68) dibromochloromethane
0.511 0.699 0.618 0.593 0.615 0.643 0.374 0.628 0.627 0.590 16.08
----- Linear regression ----- Coefficient = 0.9994
Response Ratio = -0.02285 + 0.63660 *A

69) 1,2-dibromoethane
0.551 0.576 0.552 0.526 0.512 0.571 0.539 0.543 0.546 3.90

70) 2-hexanone
0.335 0.407 0.400 0.435 0.425 0.462 0.360 0.456 0.410 10.84

71) chlorobenzene
1.460 1.672 1.502 1.438 1.429 1.528 1.681 1.544 1.508 1.529 6.03

72) 1,1,1,2-tetrachloroethane
0.560 0.592 0.536 0.518 0.506 0.543 0.578 0.544 0.536 0.546 4.97

73) ethylbenzene
2.077 2.408 2.629 2.524 2.513 2.746 2.016 2.570 2.660 2.460 10.32

74) m,p-xylene
0.705 0.926 0.956 0.933 0.911 0.962 0.809 0.971 0.960 0.904 9.86

75) o-xylene
0.680 0.876 0.960 0.887 0.893 0.940 0.711 0.943 0.933 0.869 11.83

76) styrene
1.066 1.231 1.540 1.499 1.502 1.597 1.405 1.595 1.429 13.20

77) bromoform
0.410 0.401 0.421 0.412 0.418 0.447 0.340 0.419 0.438 0.412 7.35

78) trans-1,4-dichloro-2-butene
0.123 0.124 0.154 0.158 0.165 0.176 0.148 0.171 0.152 13.09

79) I 1,4-dichlorobenzene-d ----------ISTD----------

80) isopropylbenzene
1.615 1.970 2.328 2.308 2.208 2.064 1.592 2.202 2.118 2.045 13.42

81) bromofluorobenzene (s)
1.015 1.011 0.982 0.988 0.977 0.876 1.006 1.033 0.928 0.980 5.01

82) bromobenzene
0.624 0.663 0.729 0.713 0.719 0.644 0.713 0.676 0.685 5.67

83) 1,1,2,2-tetrachloroethane
0.820 0.896 0.724 0.713 0.718 0.665 0.681 0.782 0.675 0.742 10.38

84) 1,2,3-trichloropropane
0.692 0.846 0.793 0.775 0.789 0.725 0.743 0.816 0.735 0.768 6.32

85) n-propylbenzene
2.714 3.090 3.416 3.344 3.234 3.055 2.731 3.339 3.102 3.114 8.19

86) 2-chlorotoluene
1.733 2.086 2.107 2.068 2.041 1.915 2.269 2.133 1.925 2.031 7.61

87) 4-chlorotoluene
1.820 2.137 2.228 2.194 2.138 2.001 2.061 2.222 2.022 2.091 6.28

88) 1,3,5-trimethylbenzene
1.621 2.147 2.328 2.260 2.202 2.111 1.680 2.196 2.133 2.075 12.05

89) tert-butylbenzene
1.016 1.251 1.358 1.348 1.300 1.276 1.096 1.387 1.279 1.257 9.84

90) 1,2,4-trimethylbenzene
1.765 2.173 2.397 2.332 2.320 2.233 2.051 2.305 2.268 2.205 8.78

91) sec-butylbenzene
2.108 2.600 2.974 2.955 2.872 2.801 2.191 2.944 2.813 2.695 12.25

92) 1,3-dichlorobenzene
1.336 1.447 1.349 1.354 1.354 1.368 1.618 1.347 1.357 1.392 6.52

93) p-isopropyltoluene
2.213 2.429 2.338 2.299 2.289 2.247 2.155 2.416 2.252 2.293 3.93

94) 1,4-dichlorobenzene
1.631 1.726 1.482 1.447 1.444 1.388 1.777 1.514 1.365 1.530 9.65

95) 1,2-dichlorobenzene

Initial Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSE1666-ICC1666
Lab FileID: E37275.D

```
            1.270 1.491 1.437 1.438 1.565 1.785 1.642 1.423 1.618  1.519    9.96
 96)  n-butylbenzene
            2.310 2.720 2.750 2.766 2.808 3.076 2.032 2.841 2.845  2.683   11.77
 97)  1,2-dibromo-3-chloropropane
            0.267 0.270 0.190 0.192 0.242 0.363       0.194 0.284  0.250   23.76
          ----- Quadratic regression -----                Coefficient =  0.9988
             Response Ratio = 0.03257 + 0.09971 *A + 0.03188 *A^2

 98)  1,2,4-trichlorobenzene
                  2.148 2.574 2.815 2.992 2.718       2.379 2.857  2.641   11.18
 99)  hexachlorobutadiene
            0.746 0.970 0.858 0.913 1.018 1.340 0.873 0.871 1.123  0.968   18.19
          ----- Quadratic regression -----                Coefficient =  0.9991
             Response Ratio = 0.05827 + 0.65803 *A + 0.08261 *A^2

100)  naphthalene
            3.565 4.014 5.154 5.054 4.533 2.951 3.450 4.594 3.660  4.108   18.62
          ----- Quadratic regression -----                Coefficient =  0.9994
             Response Ratio = -0.25936 + 6.00630 *A + -0.37826 *A^2

101)  1,2,3-trichlorobenzene
                  2.134 2.280 2.241 1.993 1.337       2.160 1.643  1.969   17.85
          ----- Quadratic regression -----                Coefficient =  0.9997
             Response Ratio = -0.14607 + 2.65172 *A + -0.16232 *A^2

--------------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          E061009W.M        Fri Jun 12 16:03:55 2009    LPT1
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5.8.1

5

Initial Calibration Verification

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSE1666-ICV1666
Lab FileID: E37277.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E37277.D
Acq On : 10 Jun 2009 11:44 pm
Sample : ICV1666-50,50 PPB STD
Misc : MS18338,MSE1666,,,,5,1
MS Integration Params: LSCINT.P

Vial: 15
Operator: sandrac
Inst : MSE
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\E061009W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Jun 12 16:09:47 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	100	0.00	6.83
2 M	tertiary butyl alcohol	1.014	1.060	-4.5	95	0.00	6.93
		True	Calc.	% Drift			
3 T	Ethanol	5000.000	5230.076	-4.6	99	0.00	5.65
		AvgRF	CCRF	% Dev			
4 I	pentafluorobenzene	1.000	1.000	0.0	103	0.00	9.34
5 M	dichlorodifluoromethane	0.489	0.480	1.8	97	0.00	4.41
		True	Calc.	% Drift			
6 P	chloromethane	50.000	56.628	-13.3	107	0.00	4.68
		AvgRF	CCRF	% Dev			
7 c	vinyl chloride	0.485	0.529	-9.1	114	0.00	4.95
		True	Calc.	% Drift			
8 M	bromomethane	50.000	52.017	-4.0	103	0.00	5.48
9 M	chloroethane	50.000	51.909	-3.8	105	0.00	5.66
		AvgRF	CCRF	% Dev			
10 M	ethyl ether	0.453	0.439	3.1	98	0.00	6.57
		True	Calc.	% Drift			
11 M	acetonitrile	50.000	50.124	-0.2	107	0.00	6.32
		AvgRF	CCRF	% Dev			
12 M	trichlorofluoromethane	0.725	0.706	2.6	96	0.00	6.34
13 M	freon-113	0.419	0.462	-10.3	103	0.00	7.15
		True	Calc.	% Drift			
14 M	acrolein	250.000	239.048	4.4	104	0.00	6.31
		AvgRF	CCRF	% Dev			
15 c	1,1-dichloroethene	0.475	0.469	1.3	105	0.00	6.94
		True	Calc.	% Drift			
16 M	acetone	50.000	43.504	13.0	89	0.00	6.45
		AvgRF	CCRF	% Dev			
17 M	Methyl Acetate	0.744	0.776	-4.3	102	0.00	7.11

Initial Calibration Verification

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSE1666-ICV1666
Lab FileID: E37277.D

5.8.2 5

18	M	methylene chloride	0.589	0.598	-1.5	99	0.00	7.09
19	M	methyl tert butyl ether	1.246	1.308	-5.0	98	0.00	7.90
20	M	acrylonitrile	0.174	0.176	-1.1	102	0.00	6.97
21	M	allyl chloride	0.971	0.978	-0.7	102	0.00	7.18
22	M	trans-1,2-dichloroethene	0.560	0.555	0.9	104	0.00	7.80
23	M	iodomethane	0.783	0.852	-8.8	103	0.00	6.99
24	M	carbon disulfide	1.816	1.821	-0.3	105	0.00	7.37
25	M	propionitrile	0.031	0.031	0.0	101	0.00	6.97
26	M	vinyl acetate	1.041	0.676	35.1#	65	0.00	8.17
27	M	chloroprene	0.784	0.873	-11.4	105	0.00	8.44
28	M	di-isopropyl ether	2.050	2.156	-5.2	99	0.00	8.48
29	M	methacrylonitrile	0.332	0.346	-4.2	96	0.00	8.59
30	M	2-butanone	0.041	0.037	9.8	92	0.00	8.49
31	M	Hexane	0.913	0.961	-5.3	103	0.00	8.46
32	P	1,1-dichloroethane	1.012	0.993	1.9	101	0.00	8.07
33	M	tert-butyl ethyl ether	1.499	1.638	-9.3	98	0.00	8.88
34	M	isobutyl alcohol	0.050	0.051	-2.0	87	0.00	8.88
		----------	True	Calc.	% Drift	----------		
35	M	2,2-dichloropropane	50.000	48.455	3.1	101	0.00	8.93
36	M	cis-1,2-dichloroethene	50.000	48.275	3.5	98	0.00	8.64
		----------	AvgRF	CCRF	% Dev	----------		
37	M	bromochloromethane	0.261	0.278	-6.5	99	0.00	8.82
38	c	chloroform	1.015	0.975	3.9	96	0.00	8.85
39	S	dibromofluoromethane (s)	0.576	0.586	-1.7	101	0.00	8.98
40	M	Tetrahydrofuran	0.130	0.139	-6.9	104	0.00	9.20
		----------	True	Calc.	% Drift	----------		
41	M	1,1,1-trichloroethane	50.000	50.765	-1.5	101	0.00	9.62
		----------	AvgRF	CCRF	% Dev	----------		
42	I	1,4-difluorobenzene	1.000	1.000	0.0	106	0.00	10.22
43	M	Cyclohexane	0.453	0.510	-12.6	106	0.00	9.90
44	M	carbon tetrachloride	0.393	0.395	-0.5	99	0.00	9.99
45	M	1,1-dichloropropene	0.418	0.442	-5.7	106	0.00	9.79
46	M	benzene	1.267	1.256	0.9	99	0.00	10.02
47	M	1,2-dichloroethane	0.420	0.413	1.7	97	0.00	9.52
48	M	tert-amyl methyl ether	0.788	0.851	-8.0	96	0.00	10.14
49	M	heptane	0.543	0.565	-4.1	101	0.00	10.50
50	M	trichloroethene	0.316	0.326	-3.2	102	0.00	10.65
51	c	1,2-dichloropropane	0.334	0.346	-3.6	101	0.00	10.61
52	M	dibromomethane	0.204	0.210	-2.9	97	0.00	10.59
53	M	bromodichloromethane	0.464	0.480	-3.4	104	0.00	10.70
54	M	Methylcyclohexane	0.446	0.523	-17.3	107	0.00	11.17
		----------	True	Calc.	% Drift	----------		
55	M	2-chloroethyl vinyl ether	50.000	43.068	13.9	84	0.00	11.17
		----------	AvgRF	CCRF	% Dev	----------		
56	M	methyl methacrylate	0.179	0.197	-10.1	100	0.00	10.79
57	M	1,4-dioxane	0.002	0.002	0.0	113	0.00	10.80
58	M	cis-1,3-dichloropropene	0.512	0.519	-1.4	97	0.00	11.32
59	S	toluene-d8 (s)	1.031	1.098	-6.5	103	0.00	12.03
60	M	4-methyl-2-pentanone	0.266	0.285	-7.1	99	0.00	11.41
61	c	toluene	0.707	0.740	-4.7	98	0.00	12.10
62	M	trans-1,3-dichloropropene	0.414	0.427	-3.1	93	0.00	11.73
63	M	1,1,2-trichloroethane	0.236	0.231	2.1	95	0.00	11.91
64	M	ethyl methacrylate	0.338	0.379	-12.1	101	0.00	12.11

Initial Calibration Verification

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSE1666-ICV1666
Lab FileID: E37277.D

5.8.2

65	I	chlorobenzene-d5	1.000	1.000	0.0	102	0.00	13.49
66	M	tetrachloroethene	0.513	0.582	-13.5	104	0.00	12.85
67	M	1,3-dichloropropane	0.859	0.869	-1.2	97	0.00	12.15
			True	Calc.	% Drift			
68	M	dibromochloromethane	50.000	48.984	2.0	100	0.00	12.44
			AvgRF	CCRF	% Dev			
69	M	1,2-dibromoethane	0.485	0.501	-3.3	93	0.00	12.70
70	M	2-hexanone	0.364	0.388	-6.6	99	0.00	12.27
71	P	chlorobenzene	1.376	1.466	-6.5	100	0.00	13.52
72	M	1,1,1,2-tetrachloroethane	0.491	0.511	-4.1	98	0.00	13.45
73	c	ethylbenzene	2.214	2.532	-14.4	99	0.00	13.70
74	M	m,p-xylene	0.813	0.936	-15.1	100	0.00	13.88
75	M	o-xylene	0.782	0.926	-18.4	99	0.00	14.30
76	M	styrene	1.271	1.510	-18.8	100	0.00	14.22
77	P	bromoform	0.371	0.397	-7.0	97	0.00	14.05
78	M	trans-1,4-dichloro-2-bute	0.135	0.152	-12.6	101	0.00	14.44
79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	16.04
80	M	isopropylbenzene	1.841	2.286	-24.2	100	0.00	14.66
81	S	bromofluorobenzene (s)	0.882	0.965	-9.4	100	0.00	14.71
82	M	bromobenzene	0.609	0.670	-10.0	93	0.00	14.95
83	P	1,1,2,2-tetrachloroethane	0.668	0.675	-1.0	95	0.00	14.30
84	M	1,2,3-trichloropropane	0.691	0.744	-7.7	95	0.00	14.44
85	M	n-propylbenzene	2.802	3.299	-17.7	98	0.00	15.10
86	M	2-chlorotoluene	1.828	2.031	-11.1	98	0.00	15.22
87	M	4-chlorotoluene	1.882	2.147	-14.1	98	0.00	15.29
88	M	1,3,5-trimethylbenzene	1.868	2.243	-20.1	98	0.00	15.38
89	M	tert-butylbenzene	1.131	1.331	-17.7	99	0.00	15.68
90	M	1,2,4-trimethylbenzene	1.984	2.267	-14.3	96	0.00	15.78
91	M	sec-butylbenzene	2.426	2.921	-20.4	100	0.00	15.90
92	M	1,3-dichlorobenzene	1.253	1.329	-6.1	100	0.00	16.01
93	M	p-isopropyltoluene	2.064	2.304	-11.6	100	0.00	16.07
94	M	1,4-dichlorobenzene	1.377	1.421	-3.2	97	0.00	16.08
95	M	1,2-dichlorobenzene	1.367	1.416	-3.6	100	0.00	16.44
96	M	n-butylbenzene	2.415	2.778	-15.0	103	0.00	16.49
			True	Calc.	% Drift			
97	M	1,2-dibromo-3-chloropropa	50.000	59.167	-18.3	104	0.00	16.91
			AvgRF	CCRF	% Dev			
98	M	1,2,4-trichlorobenzene	2.310	2.570	-11.3	101	0.00	18.33
			True	Calc.	% Drift			
99	M	hexachlorobutadiene	50.000	55.240	-10.5	105	0.00	18.65
100	M	naphthalene	50.000	39.414	21.2	83	0.00	18.63
101	M	1,2,3-trichlorobenzene	50.000	42.970	14.1	90	0.00	18.86

(1.0 %) 1 of 96 compounds'%D > 30

(#) = Out of Range SPCC's out = 0 CCC's out = 0

E37276.D E061009W.M Fri Jun 12 19:07:07 2009 LPT1

Continuing Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSE1668-CC1666
Lab FileID: E37345.D

Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\E37345.D
Acq On : 15 Jun 2009 4:09 pm
Sample : CC1666-50, 50 PPB STD
Misc : MS18438,MSE1668,,,,5,1
MS Integration Params: LSCINT.P

Vial: 3
Operator: sandrac
Inst : MSE
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\E061009W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Fri Jun 12 19:36:35 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	102	0.00	6.84
2 M	tertiary butyl alcohol	1.141	1.056	7.4	98	-0.01	6.92
		True	Calc.	% Drift			
3 T	Ethanol	5000.000	5072.154	-1.4	99	0.00	5.64
		AvgRF	CCRF	% Dev			
4 I	pentafluorobenzene	1.000	1.000	0.0	84	0.00	9.33
5 M	dichlorodifluoromethane	0.543	0.504	7.2	83	-0.01	4.41
		True	Calc.	% Drift			
6 P	chloromethane	50.000	55.487	-11.0	85	0.00	4.68
		AvgRF	CCRF	% Dev			
7 c	vinyl chloride	0.539	0.571	-5.9	100	0.00	4.95
		True	Calc.	% Drift			
8 M	bromomethane	50.000	50.953	-1.9	82	0.00	5.48
9 M	chloroethane	50.000	57.862	-15.7	96	-0.01	5.65
		AvgRF	CCRF	% Dev			
10 M	ethyl ether	0.504	0.499	1.0	90	-0.01	6.57
		True	Calc.	% Drift			
11 M	acetonitrile	50.000	74.456	-48.9#	122	-0.01	6.30
		AvgRF	CCRF	% Dev			
12 M	trichlorofluoromethane	0.805	0.786	2.4	86	0.00	6.34
13 M	freon-113	0.472	0.502	-6.4	90	0.00	7.15
		True	Calc.	% Drift			
14 M	acrolein	250.000	2409.069	-863.6#	745	-0.01	6.30
		AvgRF	CCRF	% Dev			
15 c	1,1-dichloroethene	0.528	0.491	7.0	89	0.00	6.93
		True	Calc.	% Drift			
16 M	acetone	50.000	186.409	-272.8#	305	-0.01	6.44
		AvgRF	CCRF	% Dev			
17 M	Methyl Acetate	0.850	0.893	-5.1	95	-0.01	7.10

5.8.3

5

Continuing Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSE1668-CC1666
Lab FileID: E37345.D

18 M	methylene chloride	0.662	0.659	0.5	89	0.00	7.08
19 M	methyl tert butyl ether	1.385	1.507	-8.8	91	-0.01	7.89
20 M	acrylonitrile	0.194	0.202	-4.1	95	0.00	6.97
21 M	allyl chloride	1.079	1.094	-1.4	93	0.00	7.18
22 M	trans-1,2-dichloroethene	0.623	0.621	0.3	94	0.00	7.80
23 M	iodomethane	0.870	0.897	-3.1	88	-0.01	6.99
24 M	carbon disulfide	2.017	1.969	2.4	92	0.00	7.37
25 M	propionitrile	0.035	0.040	-14.3	106	-0.01	6.96
26 M	vinyl acetate	1.157	0.958	17.2	75	0.00	8.16
27 M	chloroprene	0.871	0.995	-14.2	97	0.00	8.43
28 M	di-isopropyl ether	2.278	2.456	-7.8	92	0.00	8.47
29 M	methacrylonitrile	0.374	0.367	1.9	83	0.00	8.58
30 M	2-butanone	0.046	0.107	-132.6#	215#	-0.01	8.47
31 M	Hexane	1.027	1.109	-8.0	96	0.00	8.45
32 P	1,1-dichloroethane	1.125	1.100	2.2	91	0.00	8.06
33 M	tert-butyl ethyl ether	1.665	1.881	-13.0	92	0.00	8.88
34 M	isobutyl alcohol	0.056	0.061	-8.9	85	-0.01	8.87
	----------	True	Calc.	% Drift	----------		
35 M	2,2-dichloropropane	50.000	59.573	-19.1	102	0.00	8.93
36 M	cis-1,2-dichloroethene	50.000	53.900	-7.8	89	0.00	8.64
	----------	AvgRF	CCRF	% Dev	----------		
37 M	bromochloromethane	0.294	0.282	4.1	81	0.00	8.81
38 c	chloroform	1.128	1.122	0.5	90	0.00	8.85
39 S	dibromofluoromethane (s)	0.640	0.644	-0.6	90	-0.01	8.97
40 M	Tetrahydrofuran	0.147	0.168	-14.3	102	0.00	9.19
	----------	True	Calc.	% Drift	----------		
41 M	1,1,1-trichloroethane	50.000	56.471	-12.9	91	-0.01	9.61
	----------	AvgRF	CCRF	% Dev	----------		
42 I	1,4-difluorobenzene	1.000	1.000	0.0	88	0.00	10.22
43 M	Cyclohexane	0.510	0.544	-6.7	94	0.00	9.90
44 M	carbon tetrachloride	0.437	0.440	-0.7	92	0.00	9.98
45 M	1,1-dichloropropene	0.464	0.474	-2.2	95	0.00	9.79
46 M	benzene	1.408	1.385	1.6	91	-0.01	10.01
47 M	1,2-dichloroethane	0.466	0.457	1.9	90	0.00	9.51
48 M	tert-amyl methyl ether	0.875	0.920	-5.1	87	0.00	10.13
49 M	heptane	0.604	0.681	-12.7	101	0.00	10.49
50 M	trichloroethene	0.351	0.352	-0.3	92	-0.01	10.64
51 c	1,2-dichloropropane	0.376	0.369	1.9	90	0.00	10.60
52 M	dibromomethane	0.230	0.222	3.5	85	0.00	10.58
53 M	bromodichloromethane	0.515	0.526	-2.1	95	0.00	10.70
54 M	Methylcyclohexane	0.502	0.591	-17.7	101	-0.01	11.16
	----------	True	Calc.	% Drift	----------		
55 M	2-chloroethyl vinyl ether	50.000	52.591	-5.2	81	0.00	11.17
	----------	AvgRF	CCRF	% Dev	----------		
56 M	methyl methacrylate	0.205	0.205	0.0	87	-0.01	10.78
57 M	1,4-dioxane	0.002	0.003	-50.0#	100	0.00	10.80
58 M	cis-1,3-dichloropropene	0.569	0.582	-2.3	90	0.00	11.31
59 S	toluene-d8 (s)	1.145	1.158	-1.1	90	-0.01	12.02
60 M	4-methyl-2-pentanone	0.304	0.380	-25.0#	110	0.00	11.41
61 c	toluene	0.786	0.782	0.5	86	0.00	12.10
62 M	trans-1,3-dichloropropene	0.460	0.474	-3.0	86	0.00	11.73
63 M	1,1,2-trichloroethane	0.262	0.252	3.8	86	0.00	11.91
64 M	ethyl methacrylate	0.380	0.413	-8.7	92	0.00	12.11

Continuing Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSE1668-CC1666
Lab FileID: E37345.D

5.8.3 5

65	I	chlorobenzene-d5	1.000	1.000	0.0	92	0.00	13.49
66	M	tetrachloroethene	0.570	0.554	2.8	89	0.00	12.84
67	M	1,3-dichloropropane	0.955	0.867	9.2	87	0.00	12.14
			True	Calc.	% Drift			
68	M	dibromochloromethane	50.000	49.648	0.7	91	0.00	12.44
			AvgRF	CCRF	% Dev			
69	M	1,2-dibromoethane	0.546	0.508	7.0	85	-0.01	12.69
70	M	2-hexanone	0.410	0.680	-65.9#	156	0.00	12.27
71	P	chlorobenzene	1.529	1.435	6.1	88	0.00	13.52
72	M	1,1,1,2-tetrachloroethane	0.546	0.519	4.9	89	0.00	13.44
73	c	ethylbenzene	2.460	2.544	-3.4	89	0.00	13.69
74	M	m,p-xylene	0.904	0.953	-5.4	92	0.00	13.88
75	M	o-xylene	0.869	0.914	-5.2	88	0.00	14.29
76	M	styrene	1.429	1.471	-2.9	88	-0.01	14.21
77	P	bromoform	0.412	0.409	0.7	89	0.00	14.04
78	M	trans-1,4-dichloro-2-bute	0.152	0.149	2.0	89	0.00	14.43
79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	91	0.00	16.04
80	M	isopropylbenzene	2.045	2.270	-11.0	89	0.00	14.65
81	S	bromofluorobenzene (s)	0.980	0.999	-1.9	93	0.00	14.71
82	M	bromobenzene	0.685	0.676	1.3	84	-0.01	14.94
83	P	1,1,2,2-tetrachloroethane	0.742	0.698	5.9	88	0.00	14.29
84	M	1,2,3-trichloropropane	0.768	0.742	3.4	85	-0.01	14.43
85	M	n-propylbenzene	3.114	3.421	-9.9	91	0.00	15.10
86	M	2-chlorotoluene	2.031	2.049	-0.9	89	0.00	15.22
87	M	4-chlorotoluene	2.091	2.164	-3.5	88	0.00	15.29
88	M	1,3,5-trimethylbenzene	2.075	2.210	-6.5	86	0.00	15.37
89	M	tert-butylbenzene	1.257	1.360	-8.2	91	0.00	15.68
90	M	1,2,4-trimethylbenzene	2.205	2.301	-4.4	87	0.00	15.78
91	M	sec-butylbenzene	2.695	2.864	-6.3	88	0.00	15.90
92	M	1,3-dichlorobenzene	1.392	1.275	8.4	86	0.00	16.00
93	M	p-isopropyltoluene	2.293	2.318	-1.1	90	0.00	16.07
94	M	1,4-dichlorobenzene	1.530	1.360	11.1	84	0.00	16.07
95	M	1,2-dichlorobenzene	1.519	1.369	9.9	87	0.00	16.44
96	M	n-butylbenzene	2.683	2.730	-1.8	90	0.00	16.48
			True	Calc.	% Drift			
97	M	1,2-dibromo-3-chloropropa	50.000	58.050	-16.1	91	-0.01	16.90
			AvgRF	CCRF	% Dev			
98	M	1,2,4-trichlorobenzene	2.641	2.400	9.1	85	0.00	18.33
			True	Calc.	% Drift			
99	M	hexachlorobutadiene	50.000	52.431	-4.9	89	0.00	18.65
100	M	naphthalene	50.000	42.804	14.4	81	0.00	18.62
101	M	1,2,3-trichlorobenzene	50.000	44.026	11.9	82	0.00	18.85

(7.3 %) 7 of 96 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0

E37276.D E061009W.M Tue Jun 16 16:32:52 2009 LPT1

Initial Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSM1022-ICC1022
Lab FileID: M31855.D

5.8.4 5

Response Factor Report MSM

Method : C:\MSDCHEM\1\METHODS\M050809W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon May 11 14:56:50 2009
Response via : Initial Calibration

Calibration Files
.5 =M31847.D 1 =M31848.D 2 =M31849.D 5 =M31850.D
25 =M31851.D 50 =M31856.D 100 =M31855.D 200 =M31854.D
400 =M31852.D 300 =M31853.D = =

Compound	.5	1	2	5	25	50	100	200	400	300	Avg	%RSD
1) I tert butyl alcohol-d9	----------ISTD----------											
2) tertiary butyl alcohol	1.145	1.176	1.147	1.443	1.355	1.274	1.269	1.239	1.257	1.226	1.253	7.38
3) Ethanol	0.169	0.148	0.153	0.167	0.144	0.130	0.125	0.119	0.122	0.118	0.139	13.94
4) I pentafluorobenzene	----------ISTD----------											
5) dichlorodifluoromethane	0.487	0.375	0.450	0.560	0.502	0.429	0.427	0.458	0.491	0.442	0.462	10.96
6) chloromethane	0.891	0.808	0.651	0.773	0.675	0.621	0.667	0.734	0.813	0.761	0.739	11.59
7) vinyl chloride		0.714	0.639	0.699	0.602	0.550	0.544	0.534	0.496	0.498	0.586	13.99
8) bromomethane	0.221	0.147	0.135	0.166	0.183	0.248	0.261	0.275	0.270	0.267	0.217	25.19
----- Linear regression ----- Coefficient = 0.9996												
Response Ratio = -0.01333 + 0.27161 *A												
9) chloroethane		0.397	0.363	0.432	0.370	0.320	0.316	0.317	0.311	0.304	0.348	12.95
10) ethyl ether	0.435	0.518	0.544	0.689	0.630	0.607	0.617	0.610	0.631	0.603	0.588	12.16
11) acetonitrile		0.260	0.253	0.338	0.276	0.254	0.244	0.242	0.252	0.237	0.262	11.75
12) trichlorofluoromethane	0.760	0.659	0.750	0.951	0.843	0.734	0.718	0.779	0.805	0.748	0.775	10.23
13) freon-113	0.368	0.341	0.401	0.512	0.461	0.413	0.399	0.431	0.426	0.415	0.417	11.28
14) acrolein	0.246	0.273	0.258	0.329	0.310	0.303	0.303	0.294	0.296	0.287	0.290	8.58
15) 1,1-dichloroethene	0.546	0.482	0.463	0.551	0.476	0.436	0.428	0.445	0.445	0.428	0.470	9.64
16) acetone	1.166	1.188	1.068	1.136	0.976	0.847	0.831	0.838	0.946	0.872	0.987	14.43
17) Methyl Acetate	2.046	2.193	2.087	2.614	2.364	2.139	2.139	2.112	2.140	2.076	2.191	7.88
18) methylene chloride				0.975	0.668	0.588	0.577	0.580	0.602	0.578	0.652	22.32
----- Linear regression ----- Coefficient = 0.9989												
Response Ratio = 0.00201 + 0.59089 *A												
19) methyl tert butyl ether	1.487	1.363	1.284	1.637	1.627	1.651	1.749	1.780	1.844	1.806	1.623	11.70
20) acrylonitrile												

Initial Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSM1022-ICC1022
Lab FileID: M31855.D

5.8.4

5

```
      0.438 0.485 0.471 0.592 0.546 0.509 0.500 0.494 0.500 0.482  0.502    8.41
21)  allyl chloride
      1.017 1.068 0.966 1.235 1.138 0.944 0.841 0.762 0.796 0.740  0.951   17.53
           ----- Linear regression -----  Coefficient =  0.9970
             Response Ratio = 0.06167 + 0.76747 *A

22)  trans-1,2-dichloroethene
      0.635 0.547 0.504 0.600 0.531 0.514 0.516 0.522 0.522 0.516  0.541    7.95
23)  iodomethane
                  0.340 0.400 0.423 0.410 0.358 0.299 0.315 0.364  0.364   13.38
24)  carbon disulfide
      1.383 1.402 1.237 1.514 1.391 1.383 1.345 1.381 1.374 1.352  1.376    4.90
25)  propionitrile
                  0.229 0.240 0.234 0.232 0.240 0.240 0.237 0.236  0.236    1.89
26)  vinyl acetate
            0.764 1.027 0.993 0.861 0.995 0.979 1.084 1.122 0.978  0.978   11.86
27)  chloroprene
          0.897 0.877 1.194 1.098 1.032 1.023 1.065 1.066 1.050  1.034    9.39
28)  di-isopropyl ether
      2.173 2.499 2.353 2.944 2.755 2.493 2.470 2.398 2.316 2.342  2.474    9.08
29)  methacrylonitrile
          0.668 0.682 0.955 0.855 0.768 0.798 0.793 0.811 0.798  0.792   10.82
30)  2-butanone
                  0.220 0.225 0.215 0.213 0.214 0.209 0.210 0.215  0.215    2.53
31)  1,1-dichloroethane
      1.173 1.165 1.087 1.406 1.216 1.111 1.112 1.124 1.135 1.120  1.165    7.94
32)  tert-butyl ethyl ether
            0.892 1.248 1.460 1.606 1.790 1.848 1.881 1.881  1.576   22.70
         ----- Linear regression -----  Coefficient =  0.9998
           Response Ratio = -0.16324 + 1.89976 *A

33)  isobutyl alcohol
          0.124 0.117 0.130 0.123 0.124 0.128 0.135 0.135 0.134  0.128    5.07
34)  2,2-dichloropropane
                  0.568 0.658 0.612 0.655 0.726 0.767 0.754  0.677   11.02
35)  cis-1,2-dichloroethene
      0.638 0.665 0.564 0.672 0.613 0.575 0.579 0.579 0.578 0.576  0.604    6.71
36)  ethyl acetate
      0.453 0.632 0.583 0.650 0.619 0.620 0.646 0.677 0.683 0.681  0.624   10.91
37)  bromochloromethane
      0.195 0.258 0.248 0.300 0.268 0.230 0.227 0.224 0.237 0.221  0.241   12.22
38)  chloroform
      1.041 1.055 1.007 1.223 1.079 0.956 0.960 0.962 0.948 0.954  1.018    8.48
39)  dibromofluoromethane (s)
      0.508 0.512 0.519 0.518 0.512 0.478 0.479 0.486 0.499 0.494  0.501    3.09
40)  Tetrahydrofuran
      0.640 0.542 0.527 0.588 0.522 0.475 0.494 0.493 0.498 0.496  0.528    9.68
41)  1,1,1-trichloroethane
      0.737 0.740 0.720 0.941 0.840 0.759 0.770 0.804 0.818 0.807  0.794    8.18

42) I  1,4-difluorobenzene  ----------------ISTD---------------------
43)  Cyclohexane
      0.592 0.464 0.524 0.707 0.668 0.629 0.614 0.651 0.620 0.629  0.610   11.49
44)  carbon tetrachloride
      0.353 0.303 0.307 0.408 0.385 0.349 0.356 0.385 0.385 0.382  0.361    9.62
45)  1,1-dichloropropene
      0.422 0.390 0.401 0.485 0.458 0.436 0.434 0.458 0.441 0.450  0.438    6.41
46)  benzene
      1.434 1.380 1.356 1.648 1.494 1.410 1.416 1.412 1.355 1.388  1.429    6.08
47)  1,2-dichloroethane
```

Initial Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSM1022-ICC1022
Lab FileID: M31855.D

0.503 0.556 0.534 0.692 0.602 0.534 0.547 0.545 0.555 0.551 0.562 9.26

48) tert-amyl methyl ether
0.443 0.582 0.649 0.726 0.838 0.867 0.894 0.890 0.736 22.57
----- Linear regression ----- Coefficient = 0.9996
Response Ratio = -0.09594 + 0.90248 *A

49) heptane
0.414 0.406 0.410 0.489 0.486 0.430 0.444 0.469 0.460 0.463 0.447 6.93

50) trichloroethene
0.329 0.328 0.315 0.385 0.359 0.348 0.346 0.350 0.332 0.338 0.343 5.72

51) 1,2-dichloropropane
0.414 0.428 0.387 0.473 0.422 0.403 0.408 0.403 0.386 0.396 0.412 6.21

52) dibromomethane
0.246 0.216 0.219 0.273 0.246 0.224 0.228 0.226 0.212 0.226 0.232 8.02

53) bromodichloromethane
0.406 0.437 0.421 0.518 0.486 0.443 0.460 0.466 0.473 0.471 0.458 7.11

54) Methylcyclohexane
0.378 0.370 0.414 0.515 0.491 0.479 0.481 0.504 0.472 0.484 0.459 11.34

55) 2-chloroethyl vinyl ether
0.005 0.005 0.005 0.006 0.005 0.005 0.005 4.13

56) methyl methacrylate
0.311 0.356 0.334 0.384 0.380 0.387 0.401 0.398 0.389 0.396 0.374 8.11

57) 1,4-dioxane
0.008 0.009 0.012 0.010 0.010 0.009 0.010 0.010 11.35

58) cis-1,3-dichloropropene
0.387 0.446 0.417 0.568 0.560 0.557 0.583 0.586 0.592 0.590 0.529 14.99
----- Linear regression ----- Coefficient = 1.0000
Response Ratio = -0.01207 + 0.59198 *A

59) toluene-d8 (s)
1.244 1.251 1.257 1.254 1.260 1.252 1.271 1.258 1.258 1.264 1.257 0.59

60) 4-methyl-2-pentanone
0.659 0.639 0.668 0.888 0.855 0.820 0.834 0.823 0.813 0.816 0.782 11.52

61) toluene
0.941 0.860 0.793 1.009 0.920 0.869 0.858 0.857 0.801 0.828 0.874 7.61

62) trans-1,3-dichloropropene
0.316 0.358 0.334 0.469 0.476 0.492 0.514 0.527 0.542 0.536 0.456 19.09
----- Linear regression ----- Coefficient = 0.9998
Response Ratio = -0.02344 + 0.54097 *A

63) 1,1,2-trichloroethane
0.286 0.293 0.277 0.347 0.316 0.300 0.304 0.299 0.294 0.296 0.301 6.36

64) ethyl methacrylate
0.437 0.440 0.618 0.603 0.614 0.631 0.604 0.573 0.591 0.568 13.24

65) I chlorobenzene-d5 ----------ISTD----------

66) tetrachloroethene
0.487 0.483 0.499 0.605 0.526 0.500 0.505 0.524 0.493 0.507 0.513 6.86

67) 1,3-dichloropropane
1.057 1.109 0.996 1.309 1.137 1.063 1.088 1.074 1.045 1.066 1.094 7.70

68) dibromochloromethane
0.497 0.471 0.485 0.624 0.579 0.539 0.576 0.587 0.589 0.590 0.554 9.48

69) 1,2-dibromoethane
0.578 0.589 0.563 0.689 0.628 0.599 0.628 0.628 0.615 0.622 0.614 5.68

70) 2-hexanone
0.923 1.071 1.352 1.328 1.280 1.312 1.311 1.272 1.290 1.238 11.59

71) chlorobenzene
1.433 1.516 1.462 1.828 1.619 1.535 1.574 1.577 1.495 1.534 1.557 7.07

72) 1,1,1,2-tetrachloroethane
0.428 0.433 0.454 0.556 0.513 0.505 0.527 0.537 0.522 0.536 0.501 9.19

5.8.4

Initial Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSM1022-ICC1022
Lab FileID: M31855.D

73)	ethylbenzene												
		2.646	2.555	2.335	3.102	2.861	2.760	2.802	2.841	2.682	2.761	2.735	7.42
74)	m,p-xylene												
		0.867	0.899	0.802	1.104	1.060	1.006	1.022	1.023	0.939	0.981	0.970	9.58
75)	o-xylene												
		0.834	0.906	0.834	1.117	1.053	0.999	1.018	1.010	0.941	0.979	0.969	9.43
76)	styrene												
			1.292	1.274	1.698	1.712	1.734	1.786	1.814	1.724	1.766	1.644	12.66
77)	bromoform												
			0.335	0.341	0.427	0.420	0.416	0.456	0.475	0.479	0.479	0.425	13.03
78)	trans-1,4-dichloro-2-butene												
				0.262	0.352	0.344	0.330	0.365	0.382	0.390	0.388	0.352	12.02
79)	I 1,4-dichlorobenzene-d	----------	ISTD	----------									
80)	isopropylbenzene												
		2.236	2.242	2.019	2.625	2.596	2.536	2.519	2.561	2.446	2.489	2.427	8.10
81)	bromofluorobenzene (s)												
		1.039	1.027	1.034	1.026	1.043	1.019	1.004	1.003	1.012	1.022	1.023	1.34
82)	bromobenzene												
		0.694	0.732	0.686	0.800	0.752	0.740	0.747	0.747	0.716	0.730	0.734	4.38
83)	1,1,2,2-tetrachloroethane												
		1.172	1.085	1.103	1.301	1.176	1.075	1.081	1.044	0.993	1.031	1.106	8.07
84)	1,2,3-trichloropropane												
		1.206	1.335	1.247	1.570	1.504	1.485	1.513	1.517	1.472	1.500	1.435	8.73
85)	n-propylbenzene												
		2.942	3.058	2.760	3.636	3.570	3.487	3.472	3.501	3.322	3.391	3.314	8.86
86)	2-chlorotoluene												
		1.972	2.171	1.930	2.449	2.353	2.229	2.218	2.221	2.138	2.173	2.185	7.07
87)	4-chlorotoluene												
		1.934	2.064	1.971	2.410	2.367	2.273	2.263	2.267	2.187	2.219	2.195	7.25
88)	1,3,5-trimethylbenzene												
		1.927	2.065	1.942	2.515	2.500	2.424	2.405	2.439	2.328	2.361	2.291	9.84
89)	tert-butylbenzene												
		1.174	1.210	1.121	1.469	1.431	1.377	1.372	1.392	1.337	1.359	1.324	8.74
90)	1,2,4-trimethylbenzene												
		2.127	1.979	1.953	2.553	2.558	2.488	2.487	2.499	2.402	2.430	2.348	10.02
91)	sec-butylbenzene												
		2.368	2.298	2.311	3.050	3.052	2.951	2.928	2.952	2.815	2.865	2.759	11.16
92)	1,3-dichlorobenzene												
		1.162	1.340	1.166	1.454	1.360	1.311	1.321	1.324	1.290	1.296	1.303	6.62
93)	p-isopropyltoluene												
		1.982	2.085	1.865	2.381	2.305	2.186	2.183	2.208	2.070	2.126	2.139	7.02
94)	1,4-dichlorobenzene												
		1.526	1.440	1.313	1.597	1.421	1.377	1.383	1.350	1.261	1.301	1.397	7.43
95)	1,2-dichlorobenzene												
		1.167	1.174	1.166	1.403	1.343	1.325	1.361	1.355	1.312	1.327	1.293	6.90
96)	n-butylbenzene												
		1.752	1.834	1.655	2.316	2.384	2.330	2.367	2.399	2.290	2.330	2.166	13.57
97)	1,2-dibromo-3-chloropropane												
		0.254	0.251	0.277	0.326	0.309	0.301	0.319	0.321	0.327	0.325	0.301	9.88
98)	1,2,4-trichlorobenzene												
			0.686	0.680	0.834	0.807	0.906	0.937	0.923	0.887	0.909	0.841	11.73
99)	hexachlorobutadiene												
		0.228	0.304	0.257	0.307	0.291	0.304	0.311	0.308	0.284	0.295	0.289	9.25
100)	naphthalene												
				2.264	3.042	3.164	3.593	3.636	3.517	3.272	3.410	3.237	13.75
101)	1,2,3-trichlorobenzene												
		0.664	0.704	0.661	0.831	0.810	0.895	0.904	0.889	0.850	0.876	0.809	11.89

(#) = Out of Range ### Number of calibration levels exceeded format ###

5.8.4 5

Initial Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSM1022-ICC1022
Lab FileID: M31855.D

M050809W.M Mon May 11 14:59:24 2009 RPT1

5.8.4

Initial Calibration Verification

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSM1022-ICV1022
Lab FileID: M31857.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\M31857.D
Acq On : 8 May 2009 11:20 pm
Sample : ICV1022-50,50 PPB STD
Misc : MS18181,MSM1022,,,,5,1
MS Integration Params: RTEINT.P

Vial: 17
Operator: sandrac
Inst : MSM
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\M050809W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Mon May 11 14:56:50 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	102	0.00	6.83
2 M	tertiary butyl alcohol	1.253	1.225	2.2	98	0.00	6.91
3	Ethanol	0.139	0.130	6.5	102	0.00	5.67
4 I	pentafluorobenzene	1.000	1.000	0.0	100	0.00	9.27
5 M	dichlorodifluoromethane	0.462	0.548	-18.6	128	0.00	4.47
6 P	chloromethane	0.739	0.706	4.5	114	0.00	4.73
7 c	vinyl chloride	0.586	0.679	-15.9	124	0.00	4.98
	----------	True	Calc.	% Drift	----------		
8 M	bromomethane	50.000	48.396	3.2	101	0.00	5.50
	----------	AvgRF	CCRF	% Dev	----------		
9 M	chloroethane	0.348	0.340	2.3	106	0.00	5.67
10 M	ethyl ether	0.588	0.608	-3.4	100	0.00	6.57
11 M	acetonitrile	0.262	0.252	3.8	100	0.00	6.33
12 M	trichlorofluoromethane	0.775	0.719	7.2	98	0.00	6.33
13 M	freon-113	0.417	0.443	-6.2	107	0.00	7.11
14 M	acrolein	0.290	0.309	-6.6	102	0.00	6.32
15 c	1,1-dichloroethene	0.470	0.464	1.3	107	0.00	6.92
16 M	acetone	0.987	1.044	-5.8	124	0.00	6.45
17 M	Methyl Acetate	2.191	1.815	17.2	85	0.00	7.09
	----------	True	Calc.	% Drift	----------		
18 M	methylene chloride	50.000	51.734	-3.5	105	0.00	7.07
	----------	AvgRF	CCRF	% Dev	----------		
19 M	methyl tert butyl ether	1.623	1.716	-5.7	104	0.00	7.85
20 M	acrylonitrile	0.502	0.511	-1.8	101	0.00	6.97
	----------	True	Calc.	% Drift	----------		
21 M	allyl chloride	50.000	61.277	-22.6#	106	0.00	7.17
	----------	AvgRF	CCRF	% Dev	----------		
22 M	trans-1,2-dichloroethene	0.541	0.547	-1.1	107	0.00	7.77
23 M	iodomethane	0.364	0.420	-15.4	99	0.00	6.98
24 M	carbon disulfide	1.376	1.591	-15.6	115	0.00	7.36
25 M	propionitrile	0.236	0.226	4.2	97	0.00	8.02
26 M	vinyl acetate	0.978	1.035	-5.8	120	0.00	8.12
27 M	chloroprene	1.034	1.096	-6.0	106	0.00	8.39
28 M	di-isopropyl ether	2.474	2.526	-2.1	101	0.00	8.42
29 M	methacrylonitrile	0.792	0.766	3.3	100	0.00	8.54

Initial Calibration Verification

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSM1022-ICV1022
Lab FileID: M31857.D

30 M	2-butanone	0.215	0.266	-23.7#	124	0.00	8.43
31 P	1,1-dichloroethane	1.165	1.162	0.3	105	0.00	8.02
		True	Calc.	% Drift			
32 M	tert-butyl ethyl ether	50.000	47.380	5.2	102	0.00	8.82
		AvgRF	CCRF	% Dev			
33 M	isobutyl alcohol	0.128	0.125	2.3	101	0.00	8.85
34 M	2,2-dichloropropane	0.677	0.619	8.6	101	0.00	8.88
35 M	cis-1,2-dichloroethene	0.604	0.603	0.2	105	0.00	8.59
36 M	ethyl acetate	0.624	0.625	-0.2	101	0.00	8.85
37 M	bromochloromethane	0.241	0.228	5.4	99	0.00	8.76
38 c	chloroform	1.018	0.979	3.8	103	0.00	8.80
39 S	dibromofluoromethane (s)	0.501	0.481	4.0	101	0.00	8.92
40 M	Tetrahydrofuran	0.528	0.500	5.3	105	0.00	9.13
41 M	1,1,1-trichloroethane	0.794	0.790	0.5	104	0.00	9.55
42 I	1,4-difluorobenzene	1.000	1.000	0.0	99	0.00	10.15
43 M	Cyclohexane	0.610	0.654	-7.2	103	0.00	9.84
44 M	carbon tetrachloride	0.361	0.364	-0.8	104	0.00	9.92
45 M	1,1-dichloropropene	0.438	0.445	-1.6	102	0.00	9.73
46 M	benzene	1.429	1.442	-0.9	102	0.00	9.95
47 M	1,2-dichloroethane	0.562	0.532	5.3	99	0.00	9.45
		True	Calc.	% Drift			
48 M	tert-amyl methyl ether	50.000	45.414	9.2	99	0.00	10.06
		AvgRF	CCRF	% Dev			
49 M	heptane	0.447	0.484	-8.3	112	0.00	10.42
50 M	trichloroethene	0.343	0.355	-3.5	101	0.00	10.57
51 c	1,2-dichloropropane	0.412	0.409	0.7	101	0.00	10.54
52 M	dibromomethane	0.232	0.225	3.0	100	0.00	10.52
53 M	bromodichloromethane	0.458	0.464	-1.3	104	0.00	10.63
54 M	Methylcyclohexane	0.459	0.509	-10.9	106	0.00	11.09
55 M	2-chloroethyl vinyl ether	0.005	0.006	-20.0	113	0.00	11.09
56 M	methyl methacrylate	0.374	0.384	-2.7	99	0.00	10.71
57 M	1,4-dioxane	0.010	0.012	-20.0	96	0.00	10.71
		True	Calc.	% Drift			
58 M	cis-1,3-dichloropropene	50.000	46.415	7.2	96	0.00	11.24
		AvgRF	CCRF	% Dev			
59 S	toluene-d8 (s)	1.257	1.265	-0.6	101	0.00	11.95
60 M	4-methyl-2-pentanone	0.782	0.871	-11.4	106	0.00	11.33
61 c	toluene	0.874	0.883	-1.0	101	0.00	12.02
		True	Calc.	% Drift			
62 M	trans-1,3-dichloropropene	50.000	45.105	9.8	94	0.00	11.66
		AvgRF	CCRF	% Dev			
63 M	1,1,2-trichloroethane	0.301	0.298	1.0	99	0.00	11.83
64 M	ethyl methacrylate	0.568	0.627	-10.4	102	0.00	12.03
65 I	chlorobenzene-d5	1.000	1.000	0.0	99	0.00	13.41
66 M	tetrachloroethene	0.513	0.524	-2.1	104	0.00	12.76
67 M	1,3-dichloropropane	1.094	1.057	3.4	99	0.00	12.07
68 M	dibromochloromethane	0.554	0.553	0.2	102	0.00	12.36
69 M	1,2-dibromoethane	0.614	0.595	3.1	99	0.00	12.62
70 M	2-hexanone	1.238	1.529	-23.5#	118	0.00	12.18
71 P	chlorobenzene	1.557	1.578	-1.3	102	0.00	13.45

Initial Calibration Verification

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSM1022-ICV1022
Lab FileID: M31857.D

72	M	1,1,1,2-tetrachloroethane	0.501	0.505	-0.8	99	0.00	13.36
73	c	ethylbenzene	2.735	2.842	-3.9	102	0.00	13.62
74	M	m,p-xylene	0.970	1.046	-7.8	103	0.00	13.80
75	M	o-xylene	0.969	1.026	-5.9	102	0.00	14.22
76	M	styrene	1.644	1.743	-6.0	100	0.00	14.14
77	P	bromoform	0.425	0.417	1.9	99	0.00	13.98
78	M	trans-1,4-dichloro-2-bute	0.352	0.335	4.8	101	0.00	14.37
79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	99	0.00	15.98
80	M	isopropylbenzene	2.427	2.722	-12.2	106	0.00	14.58
81	S	bromofluorobenzene (s)	1.023	1.030	-0.7	100	0.00	14.64
82	M	bromobenzene	0.734	0.756	-3.0	101	0.00	14.88
83	P	1,1,2,2-tetrachloroethane	1.106	1.066	3.6	98	0.00	14.22
84	M	1,2,3-trichloropropane	1.435	1.471	-2.5	98	0.00	14.37
85	M	n-propylbenzene	3.314	3.670	-10.7	104	0.00	15.03
86	M	2-chlorotoluene	2.185	2.305	-5.5	102	0.00	15.15
87	M	4-chlorotoluene	2.195	2.354	-7.2	102	0.00	15.22
88	M	1,3,5-trimethylbenzene	2.291	2.498	-9.0	102	0.00	15.30
89	M	tert-butylbenzene	1.324	1.418	-7.1	102	0.00	15.61
90	M	1,2,4-trimethylbenzene	2.348	2.606	-11.0	104	0.00	15.71
91	M	sec-butylbenzene	2.759	3.043	-10.3	102	0.00	15.83
92	M	1,3-dichlorobenzene	1.303	1.349	-3.5	102	0.00	15.94
93	M	p-isopropyltoluene	2.139	2.290	-7.1	104	0.00	16.00
94	M	1,4-dichlorobenzene	1.397	1.393	0.3	100	0.00	16.01
95	M	1,2-dichlorobenzene	1.293	1.337	-3.4	100	0.00	16.37
96	M	n-butylbenzene	2.166	2.405	-11.0	102	0.00	16.42
97	M	1,2-dibromo-3-chloropropa	0.301	0.293	2.7	96	0.00	16.85
98	M	1,2,4-trichlorobenzene	0.841	0.910	-8.2	99	0.00	18.22
99	M	hexachlorobutadiene	0.289	0.306	-5.9	100	0.00	18.51
100	M	naphthalene	3.237	3.452	-6.6	95	0.00	18.50
101	M	1,2,3-trichlorobenzene	0.809	0.877	-8.4	97	0.00	18.71

(3.1 %) 3 of 96 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0

M31856.D M050809W.M Mon May 11 15:03:04 2009 RPT1

5.8.5

5

Continuing Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSM1049-CC1022
Lab FileID: M32755.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\M32755.D
Acq On : 17 Jun 2009 1:40 pm
Sample : CC1022-100,100 PPB STD
Misc : MS18378,MSM1049,,,,5,1
MS Integration Params: RTEINT.P

Vial: 2
Operator: sandrac
Inst : MSM
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\M050809W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu May 21 19:32:58 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	tert butyl alcohol-d9	1.000	1.000	0.0	77	0.00	6.82
2	M	tertiary butyl alcohol	1.253	1.404	-12.1	85	0.00	6.91
3		Ethanol	0.139	0.170	-22.3#	105	0.00	5.67
4	I	pentafluorobenzene	1.000	1.000	0.0	70	0.00	9.27
5	M	dichlorodifluoromethane	0.462	0.597	-29.2#	98	0.00	4.47
6	P	chloromethane	0.739	0.882	-19.4	93	0.00	4.74
7	c	vinyl chloride	0.586	0.657	-12.1	85	0.00	4.98
			True	Calc.	% Drift			
8	M	bromomethane	100.000	126.098	-26.1#	90	0.00	5.50
			AvgRF	CCRF	% Dev			
9	M	chloroethane	0.348	0.437	-25.6#	97	0.00	5.67
10	M	ethyl ether	0.588	0.693	-17.9	79	0.00	6.57
11	M	acetonitrile	0.262	0.329	-25.6#	95	0.00	6.33
12	M	trichlorofluoromethane	0.775	0.906	-16.9	89	0.00	6.33
13	M	freon-113	0.417	0.507	-21.6#	90	0.00	7.11
14	M	acrolein	0.290	0.387	-33.4#	90	0.00	6.31
15	c	1,1-dichloroethene	0.470	0.513	-9.1	84	0.00	6.92
16	M	acetone	0.987	1.147	-16.2	97	0.00	6.45
17	M	Methyl Acetate	2.191	2.371	-8.2	78	0.00	7.09
			True	Calc.	% Drift			
18	M	methylene chloride	100.000	112.579	-12.6	81	0.00	7.07
			AvgRF	CCRF	% Dev			
19	M	methyl tert butyl ether	1.623	2.028	-25.0#	82	0.00	7.85
20	M	acrylonitrile	0.502	0.621	-23.7#	88	0.00	6.96
			True	Calc.	% Drift			
21	M	allyl chloride	100.000	128.708	-28.7#	85	0.00	7.16
			AvgRF	CCRF	% Dev			
22	M	trans-1,2-dichloroethene	0.541	0.566	-4.6	77	0.00	7.77
23	M	iodomethane	0.364	0.474	-30.2#	81	0.00	6.98
24	M	carbon disulfide	1.376	1.727	-25.5#	90	0.00	7.36
25	M	propionitrile	0.236	0.265	-12.3	80	0.00	8.02
26	M	vinyl acetate	0.978	1.964	-100.8#	139	0.00	8.11
27	M	chloroprene	1.034	1.209	-16.9	83	0.00	8.39
28	M	di-isopropyl ether	2.474	2.867	-15.9	82	0.00	8.42
29	M	methacrylonitrile	0.792	0.914	-15.4	81	0.00	8.53

5.8.6

5

Continuing Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSM1049-CC1022
Lab FileID: M32755.D

30	M	2-butanone	0.215	0.292	-35.8#	97	0.00	8.42
31	P	1,1-dichloroethane	1.165	1.297	-11.3	82	0.00	8.02
			True	Calc.	% Drift			
32	M	tert-butyl ethyl ether	100.000	103.244	-3.2	74	0.00	8.81
			AvgRF	CCRF	% Dev			
33	M	isobutyl alcohol	0.128	0.150	-17.2	82	0.00	8.84
			True	Calc.	% Drift			
34	M	2,2-dichloropropane	100.000	121.374	-21.4#	91	0.00	8.88
			AvgRF	CCRF	% Dev			
35	M	cis-1,2-dichloroethene	0.604	0.642	-6.3	78	0.00	8.59
36	M	ethyl acetate	0.624	0.748	-19.9	81	0.00	8.84
37	M	bromochloromethane	0.241	0.249	-3.3	77	0.00	8.76
38	c	chloroform	1.018	1.141	-12.1	84	0.00	8.80
39	S	dibromofluoromethane (s)	0.501	0.547	-9.2	80	0.00	8.92
40	M	Tetrahydrofuran	0.528	0.579	-9.7	82	0.00	9.12
41	M	1,1,1-trichloroethane	0.794	0.902	-13.6	82	0.00	9.55
42	I	1,4-difluorobenzene	1.000	1.000	0.0	74	0.00	10.14
43	M	Cyclohexane	0.610	0.690	-13.1	83	0.00	9.84
44	M	carbon tetrachloride	0.361	0.406	-12.5	85	0.00	9.92
45	M	1,1-dichloropropene	0.438	0.480	-9.6	82	0.00	9.72
46	M	benzene	1.429	1.490	-4.3	78	0.00	9.95
47	M	1,2-dichloroethane	0.562	0.630	-12.1	85	0.00	9.45
			True	Calc.	% Drift			
48	M	tert-amyl methyl ether	100.000	94.958	5.0	72	0.00	10.06
			AvgRF	CCRF	% Dev			
49	M	heptane	0.447	0.588	-31.5#	98	0.00	10.42
50	M	trichloroethene	0.343	0.346	-0.9	74	0.00	10.57
51	c	1,2-dichloropropane	0.412	0.425	-3.2	77	0.00	10.54
52	M	dibromomethane	0.232	0.248	-6.9	80	0.00	10.51
53	M	bromodichloromethane	0.458	0.507	-10.7	82	0.00	10.63
54	M	Methylcyclohexane	0.459	0.532	-15.9	82	0.00	11.09
55	M	2-chloroethyl vinyl ether	0.005	0.007	-40.0#	92	0.00	11.09
56	M	methyl methacrylate	0.374	0.419	-12.0	78	0.00	10.70
57	M	1,4-dioxane	0.010	0.010	0.0	79	0.00	10.71
			True	Calc.	% Drift			
58	M	cis-1,3-dichloropropene	100.000	103.439	-3.4	77	0.00	11.24
			AvgRF	CCRF	% Dev			
59	S	toluene-d8 (s)	1.257	1.272	-1.2	74	0.00	11.95
60	M	4-methyl-2-pentanone	0.782	0.944	-20.7#	84	0.00	11.33
61	c	toluene	0.874	0.891	-1.9	77	0.00	12.02
			True	Calc.	% Drift			
62	M	trans-1,3-dichloropropene	100.000	102.872	-2.9	79	0.00	11.66
			AvgRF	CCRF	% Dev			
63	M	1,1,2-trichloroethane	0.301	0.316	-5.0	77	0.00	11.83
64	M	ethyl methacrylate	0.568	0.642	-13.0	75	0.00	12.02
65	I	chlorobenzene-d5	1.000	1.000	0.0	75	0.00	13.41
66	M	tetrachloroethene	0.513	0.492	4.1	73	0.00	12.76
67	M	1,3-dichloropropane	1.094	1.123	-2.7	77	0.00	12.07

Continuing Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSM1049-CC1022
Lab FileID: M32755.D

68	M	dibromochloromethane	0.554	0.590	-6.5	77	0.00	12.37
69	M	1,2-dibromoethane	0.614	0.626	-2.0	75	0.00	12.62
70	M	2-hexanone	1.238	1.563	-26.3#	89	0.00	12.18
71	P	chlorobenzene	1.557	1.538	1.2	73	0.00	13.45
72	M	1,1,1,2-tetrachloroethane	0.501	0.523	-4.4	74	0.00	13.36
73	c	ethylbenzene	2.735	2.902	-6.1	78	0.00	13.62
74	M	m,p-xylene	0.970	1.041	-7.3	76	0.00	13.80
75	M	o-xylene	0.969	1.027	-6.0	76	0.00	14.21
76	M	styrene	1.644	1.744	-6.1	73	0.00	14.14
77	P	bromoform	0.425	0.440	-3.5	72	0.00	13.98
78	M	trans-1,4-dichloro-2-bute	0.352	0.390	-10.8	80	0.00	14.36
79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	70	0.00	15.97
80	M	isopropylbenzene	2.427	2.794	-15.1	78	0.00	14.58
81	S	bromofluorobenzene (s)	1.023	1.066	-4.2	75	0.00	14.64
82	M	bromobenzene	0.734	0.754	-2.7	71	0.00	14.87
83	P	1,1,2,2-tetrachloroethane	1.106	1.244	-12.5	81	0.00	14.22
84	M	1,2,3-trichloropropane	1.435	1.647	-14.8	77	0.00	14.37
85	M	n-propylbenzene	3.314	3.893	-17.5	79	0.00	15.02
86	M	2-chlorotoluene	2.185	2.447	-12.0	78	0.00	15.15
87	M	4-chlorotoluene	2.195	2.506	-14.2	78	0.00	15.22
88	M	1,3,5-trimethylbenzene	2.291	2.679	-16.9	78	0.00	15.30
89	M	tert-butylbenzene	1.324	1.594	-20.4#	82	0.00	15.61
90	M	1,2,4-trimethylbenzene	2.348	2.761	-17.6	78	0.00	15.71
91	M	sec-butylbenzene	2.759	3.276	-18.7	79	0.00	15.83
92	M	1,3-dichlorobenzene	1.303	1.388	-6.5	74	0.00	15.94
93	M	p-isopropyltoluene	2.139	2.462	-15.1	79	0.00	16.00
94	M	1,4-dichlorobenzene	1.397	1.461	-4.6	74	0.00	16.00
95	M	1,2-dichlorobenzene	1.293	1.397	-8.0	72	0.00	16.37
96	M	n-butylbenzene	2.166	2.703	-24.8#	80	0.00	16.42
97	M	1,2-dibromo-3-chloropropa	0.301	0.356	-18.3	79	0.00	16.85
98	M	1,2,4-trichlorobenzene	0.841	0.903	-7.4	68	0.00	18.22
99	M	hexachlorobutadiene	0.289	0.297	-2.8	67	0.00	18.51
100	M	naphthalene	3.237	3.690	-14.0	71	0.00	18.49
101	M	1,2,3-trichlorobenzene	0.809	0.873	-7.9	68	0.00	18.70

(21.9 %) 21 of 96 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0

M31855.D M050809W.M Thu Jun 18 16:45:28 2009 RPT1

Continuing Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSM1050-CC1022
Lab FileID: M32786.D

Evaluate Continuing Calibration Report

Data File : C:\MSDCHEM\1\DATA\M32786.D
Acq On : 18 Jun 2009 2:43 pm
Sample : CC1022-50,50 PPB STD
Misc : MS18378,MSM1050,,,,5,1
MS Integration Params: RTEINT.P

Vial: 3
Operator: sandrac
Inst : MSM
Multiplr: 1.00

Method : C:\MSDCHEM\1\METHODS\M050809W.M (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Thu May 21 19:32:58 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	tert butyl alcohol-d9	1.000	1.000	0.0	85	0.00	6.82
2 M	tertiary butyl alcohol	1.253	1.318	-5.2	88	0.00	6.91
3	Ethanol	0.139	0.158	-13.7	104	0.00	5.67
4 I	pentafluorobenzene	1.000	1.000	0.0	73	0.00	9.27
5 M	dichlorodifluoromethane	0.462	0.477	-3.2	81	0.00	4.47
6 P	chloromethane	0.739	0.738	0.1	87	0.00	4.74
7 c	vinyl chloride	0.586	0.684	-16.7	91	0.00	4.98
	----------	True	Calc.	% Drift	----------		
8 M	bromomethane	50.000	48.803	2.4	74	0.00	5.50
	----------	AvgRF	CCRF	% Dev	----------		
9 M	chloroethane	0.348	0.416	-19.5	95	0.00	5.67
10 M	ethyl ether	0.588	0.664	-12.9	80	0.00	6.57
11 M	acetonitrile	0.262	0.324	-23.7#	93	0.00	6.33
12 M	trichlorofluoromethane	0.775	0.816	-5.3	81	0.00	6.33
13 M	freon-113	0.417	0.504	-20.9#	89	0.00	7.11
14 M	acrolein	0.290	0.343	-18.3	83	0.00	6.32
15 c	1,1-dichloroethene	0.470	0.491	-4.5	82	0.00	6.92
16 M	acetone	0.987	0.482	51.2#	42#	0.00	6.45
17 M	Methyl Acetate	2.191	2.379	-8.6	81	0.00	7.09
	----------	True	Calc.	% Drift	----------		
18 M	methylene chloride	50.000	54.420	-8.8	80	0.00	7.07
	----------	AvgRF	CCRF	% Dev	----------		
19 M	methyl tert butyl ether	1.623	1.902	-17.2	84	0.00	7.85
20 M	acrylonitrile	0.502	0.600	-19.5	86	0.00	6.97
	----------	True	Calc.	% Drift	----------		
21 M	allyl chloride	50.000	61.543	-23.1#	78	0.00	7.17
	----------	AvgRF	CCRF	% Dev	----------		
22 M	trans-1,2-dichloroethene	0.541	0.566	-4.6	80	0.00	7.77
23 M	iodomethane	0.364	0.376	-3.3	65	0.00	6.99
24 M	carbon disulfide	1.376	1.706	-24.0#	90	0.00	7.36
25 M	propionitrile	0.236	0.252	-6.8	79	0.00	8.02
26 M	vinyl acetate	0.978	1.373	-40.4#	116	0.00	8.12
27 M	chloroprene	1.034	1.213	-17.3	86	0.00	8.39
28 M	di-isopropyl ether	2.474	2.775	-12.2	81	0.00	8.42
29 M	methacrylonitrile	0.792	0.876	-10.6	83	0.00	8.54

5.8.7 5

Continuing Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSM1050-CC1022
Lab FileID: M32786.D

30	M	2-butanone	0.215	0.180	16.3	61	0.00	8.43
31	P	1,1-dichloroethane	1.165	1.234	-5.9	81	0.00	8.02
			True	Calc.	% Drift			
32	M	tert-butyl ethyl ether	50.000	48.767	2.5	77	0.00	8.82
			AvgRF	CCRF	% Dev			
33	M	isobutyl alcohol	0.128	0.145	-13.3	85	0.00	8.85
			True	Calc.	% Drift			
34	M	2,2-dichloropropane	50.000	54.824	-9.6	86	0.00	8.88
			AvgRF	CCRF	% Dev			
35	M	cis-1,2-dichloroethene	0.604	0.627	-3.8	80	0.00	8.60
36	M	ethyl acetate	0.624	0.724	-16.0	85	0.00	8.85
37	M	bromochloromethane	0.241	0.232	3.7	73	0.00	8.76
38	c	chloroform	1.018	1.075	-5.6	82	0.00	8.80
39	S	dibromofluoromethane (s)	0.501	0.546	-9.0	83	0.00	8.92
40	M	Tetrahydrofuran	0.528	0.539	-2.1	83	0.00	9.13
41	M	1,1,1-trichloroethane	0.794	0.873	-9.9	84	0.00	9.55
42	I	1,4-difluorobenzene	1.000	1.000	0.0	78	0.00	10.15
43	M	Cyclohexane	0.610	0.685	-12.3	85	0.00	9.84
44	M	carbon tetrachloride	0.361	0.387	-7.2	86	0.00	9.92
45	M	1,1-dichloropropene	0.438	0.450	-2.7	80	0.00	9.73
46	M	benzene	1.429	1.401	2.0	77	0.00	9.95
47	M	1,2-dichloroethane	0.562	0.569	-1.2	83	0.00	9.45
			True	Calc.	% Drift			
48	M	tert-amyl methyl ether	50.000	44.960	10.1	77	0.00	10.06
			AvgRF	CCRF	% Dev			
49	M	heptane	0.447	0.562	-25.7#	101	0.00	10.42
50	M	trichloroethene	0.343	0.330	3.8	74	0.00	10.57
51	c	1,2-dichloropropane	0.412	0.391	5.1	75	0.00	10.54
52	M	dibromomethane	0.232	0.228	1.7	79	0.00	10.52
53	M	bromodichloromethane	0.458	0.486	-6.1	85	0.00	10.63
54	M	Methylcyclohexane	0.459	0.534	-16.3	87	0.00	11.09
55	M	2-chloroethyl vinyl ether	0.005	0.007	-40.0#	98	0.00	11.09
56	M	methyl methacrylate	0.374	0.387	-3.5	78	0.00	10.71
57	M	1,4-dioxane	0.010	0.012	-20.0	80	0.00	10.71
			True	Calc.	% Drift			
58	M	cis-1,3-dichloropropene	50.000	46.925	6.2	76	0.00	11.24
			AvgRF	CCRF	% Dev			
59	S	toluene-d8 (s)	1.257	1.266	-0.7	79	0.00	11.95
60	M	4-methyl-2-pentanone	0.782	0.881	-12.7	84	0.00	11.33
61	c	toluene	0.874	0.848	3.0	76	0.00	12.02
			True	Calc.	% Drift			
62	M	trans-1,3-dichloropropene	50.000	46.427	7.1	76	0.00	11.66
			AvgRF	CCRF	% Dev			
63	M	1,1,2-trichloroethane	0.301	0.289	4.0	75	0.00	11.83
64	M	ethyl methacrylate	0.568	0.629	-10.7	80	0.00	12.03
65	I	chlorobenzene-d5	1.000	1.000	0.0	80	0.00	13.41
66	M	tetrachloroethene	0.513	0.452	11.9	73	0.00	12.76
67	M	1,3-dichloropropane	1.094	1.021	6.7	77	0.00	12.07

5.8.7

Continuing Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSM1050-CC1022
Lab FileID: M32786.D

68	M	dibromochloromethane	0.554	0.528	4.7	79	0.00	12.36
69	M	1,2-dibromoethane	0.614	0.551	10.3	74	0.00	12.62
70	M	2-hexanone	1.238	1.109	10.4	70	0.00	12.18
71	P	chlorobenzene	1.557	1.408	9.6	74	0.00	13.45
72	M	1,1,1,2-tetrachloroethane	0.501	0.458	8.6	73	0.00	13.36
73	c	ethylbenzene	2.735	2.656	2.9	77	0.00	13.62
74	M	m,p-xylene	0.970	0.955	1.5	76	0.00	13.80
75	M	o-xylene	0.969	0.950	2.0	76	0.00	14.22
76	M	styrene	1.644	1.561	5.0	72	0.00	14.14
77	P	bromoform	0.425	0.375	11.8	72	0.00	13.97
78	M	trans-1,4-dichloro-2-bute	0.352	0.335	4.8	82	0.00	14.36
79	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	74	0.00	15.97
80	M	isopropylbenzene	2.427	2.716	-11.9	79	0.00	14.58
81	S	bromofluorobenzene (s)	1.023	1.095	-7.0	79	0.00	14.64
82	M	bromobenzene	0.734	0.706	3.8	70	0.00	14.88
83	P	1,1,2,2-tetrachloroethane	1.106	1.171	-5.9	80	0.00	14.22
84	M	1,2,3-trichloropropane	1.435	1.523	-6.1	76	0.00	14.37
85	M	n-propylbenzene	3.314	3.793	-14.5	80	0.00	15.02
86	M	2-chlorotoluene	2.185	2.348	-7.5	78	0.00	15.15
87	M	4-chlorotoluene	2.195	2.422	-10.3	79	0.00	15.22
88	M	1,3,5-trimethylbenzene	2.291	2.561	-11.8	78	0.00	15.30
89	M	tert-butylbenzene	1.324	1.541	-16.4	83	0.00	15.61
90	M	1,2,4-trimethylbenzene	2.348	2.585	-10.1	77	0.00	15.71
91	M	sec-butylbenzene	2.759	3.187	-15.5	80	0.00	15.83
92	M	1,3-dichlorobenzene	1.303	1.298	0.4	73	0.00	15.94
93	M	p-isopropyltoluene	2.139	2.344	-9.6	79	0.00	16.00
94	M	1,4-dichlorobenzene	1.397	1.368	2.1	73	0.00	16.01
95	M	1,2-dichlorobenzene	1.293	1.277	1.2	71	0.00	16.37
96	M	n-butylbenzene	2.166	2.534	-17.0	80	0.00	16.42
97	M	1,2-dibromo-3-chloropropa	0.301	0.319	-6.0	78	0.00	16.85
98	M	1,2,4-trichlorobenzene	0.841	0.809	3.8	66	0.00	18.22
99	M	hexachlorobutadiene	0.289	0.283	2.1	69	0.00	18.51
100	M	naphthalene	3.237	3.449	-6.5	71	0.00	18.49
101	M	1,2,3-trichlorobenzene	0.809	0.799	1.2	66	0.00	18.70

(8.3 %) 8 of 96 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0

M31856.D M050809W.M Thu Jun 18 19:32:44 2009 RPT1

5.8.7

5

Initial Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MST393-ICC393
Lab FileID: T10968.D

5.8.8 5

Response Factor Report MAMST

Method : C:\msdchem\1\METHODS\T061609.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Jun 17 11:40:59 2009
Response via : Initial Calibration

Calibration Files
.5 =T10974.D 1 =T10973.D 2 =T10972.D
5 =T10971.D 25 =T10970.D 50 =T10969.D 100 =T10968.D

Compound	.5	1	2	5	25	50	100	Avg	%RSD
1) Tert Butyl Alcohol-d9	ISTD								
2)M tertiary butyl al	0.967	0.998	1.088	0.960	1.139	1.176	1.063		7.52
3)m Ethanol	0.082	0.091	0.100	0.085	0.095	0.109	0.091		10.43
4) I pentafluorobenzene	ISTD								
5)M dichlorodifluorom		0.537	0.544	0.587	0.690	0.719	0.629		12.56
6)P chloromethane	0.456	0.412	0.416	0.361	0.425	0.422	0.410		7.85
7)c vinyl chloride	0.464	0.481	0.474	0.425	0.509	0.505	0.477		6.84
8)M bromomethane	0.474	0.447	0.435	0.349	0.414	0.419	0.415		9.80
9)M chloroethane	0.382	0.394	0.400	0.363	0.412	0.415	0.383		6.88
10)M acetonitrile			0.006	0.007	0.009	0.012	0.013#		59.23
----- Quadratic regression ----- Coefficient = 0.9990									
Response Ratio = -0.00273 + 0.01101 *A + 0.00186 *A^2									
11)M trichlorofluorome	0.923	0.967	1.014	0.880	1.041	1.090	0.994		7.68
12)M freon-113	0.467	0.496	0.516	0.472	0.558	0.574	0.519		8.16
13)M acrolein			0.000	0.001	0.002	0.001	0.001#		32.49
----- Quadratic regression ----- Coefficient = 0.9894									
Response Ratio = -0.00196 + 0.00203 *A + -0.00002 *A^2									
14)c 1,1-dichloroethen	0.474	0.475	0.506	0.435	0.514	0.530	0.491		6.47
15)M acetone			0.024	0.026	0.028	0.024	0.028#		15.95
----- Linear regression (equal Weighting)----- Coefficient = 0.9950									
Response Ratio = -0.00672 + 0.03410 *A									
16)M ethyl ether			0.278	0.276	0.316	0.332	0.309		9.04
17)M methyl acetate			0.227	0.215	0.262	0.260	0.252		10.63
18)M methylene chlorid	0.719	0.658	0.679	0.567	0.627	0.646	0.638		8.25
19)M methyl tert butyl	0.881	0.919	1.048	1.032	1.177	1.246	1.107		14.55
20)M acrylonitrile	0.069	0.069	0.079	0.073	0.080	0.085	0.078		9.09
21)M allyl chloride	0.467	0.476	0.534	0.490	0.574	0.606	0.530		10.20
22)M trans-1,2-dichlor	0.544	0.548	0.605	0.522	0.595	0.614	0.574		6.35
23)M iodomethane	0.673	0.698	0.748	0.693	0.782	0.814	0.741		7.09
24)M carbon disulfide	1.554	1.590	1.724	1.581	1.853	1.932	1.731		8.82
25)M propionitrile			0.011	0.025	0.031	0.032	0.027#		30.70
----- Linear regression (equal Weighting)----- Coefficient = 0.9977									
Response Ratio = 0.00002 + 0.03144 *A									
26)M vinyl acetate			0.327	0.366	0.435	0.480	0.423		15.02
----- Linear regression (equal Weighting)----- Coefficient = 0.9977									
Response Ratio = 0.00656 + 0.45433 *A									
27)M chloroprene			0.650	0.663	0.804	0.862	0.762		12.28
28)M di-isopropyl ethe		1.018	1.225	1.146	1.284	1.330	1.197		10.26
29)M methacrylonitrile			0.093	0.106	0.124	0.134	0.123		16.28
----- Linear regression (equal Weighting)----- Coefficient = 0.9968									

Initial Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MST393-ICC393
Lab FileID: T10968.D

Response Ratio = -0.00265 + 0.13610 *A

30)M 2-butanone			0.008	0.026	0.029	0.032	0.027#	35.03	
----- Linear regression (equal Weighting)----- Coefficient = 0.9970									
Response Ratio = -0.00039 + 0.03133 *A									
31)P 1,1-dichloroethan	0.939	0.944	1.046	0.914	1.034	1.075	0.982	6.70	
32)M tert-butyl ethyl		1.067	1.222	1.226	1.423	1.492	1.330	12.69	
33)M Hexane	0.529	0.585	0.622	0.577	0.667	0.685	0.606	9.90	
34)M isobutyl alcohol			0.030	0.026	0.029	0.029	0.029#	7.00	
35)M 2,2-dichloropropa	0.846	0.869	0.947	0.854	1.000	1.047	0.923	8.85	
36)M cis-1,2-dichloroe	0.620	0.599	0.671	0.579	0.644	0.666	0.628	6.01	
37)M ethyl acetate			0.152	0.126	0.145	0.146	0.145	8.01	
38)M bromochloromethan	0.222	0.225	0.238	0.212	0.236	0.243	0.231	5.27	
39)c chloroform	1.050	1.131	1.192	1.034	1.173	1.215	1.134	6.82	
40)S dibromofluorometh	0.539	0.528	0.530	0.518	0.526	0.521	0.514	0.526	1.52
41)M 1,1,1-trichloroet	0.949	0.995	1.028	0.925	1.074	1.128	1.017	8.11	
42) I 1,4-difluorobenzene ----------ISTD----------									
43)M cyclohexane			0.456	0.448	0.535	0.566	0.504	10.18	
44)M carbon tetrachlor	0.471	0.481	0.520	0.457	0.540	0.579	0.514	8.88	
45)M 1,1-dichloroprope	0.428	0.455	0.471	0.443	0.524	0.559	0.489	10.07	
46)M benzene	1.225	1.313	1.386	1.484	1.305	1.455	1.526	1.375	7.92
47)M tetrahydrofuran			0.029	0.025	0.027	0.030	0.030#	11.10	
48)M 1,2-dichloroethan	0.391	0.415	0.420	0.360	0.402	0.429	0.403	6.17	
49)M tert-amyl methyl		0.605	0.706	0.694	0.781	0.837	0.760	12.73	
50)M heptane			0.335	0.334	0.405	0.429	0.375	11.86	
51)M trichloroethene	0.334	0.365	0.394	0.348	0.401	0.423	0.382	8.37	
52)c 1,2-dichloropropa	0.322	0.325	0.345	0.307	0.342	0.369	0.334	6.67	
53)M dibromomethane	0.162	0.170	0.176	0.155	0.171	0.182	0.171	6.01	
54)M bromodichlorometh	0.408	0.438	0.478	0.439	0.503	0.544	0.481	10.48	
55)M methylcyclohexane			0.540	0.553	0.676	0.718	0.635	12.14	
56)M 2-chloroethyl vin			0.001	0.003	0.004	0.004	0.003#	40.26	
----- Linear regression (equal Weighting)----- Coefficient = 0.9987									
Response Ratio = -0.00099 + 0.00470 *A									
57)M methyl methacryla			0.092	0.108	0.132	0.149	0.133	21.34	
----- Linear regression (equal Weighting)----- Coefficient = 0.9983									
Response Ratio = -0.01404 + 0.15860 *A									
58)M 1,4-dioxane			0.001	0.001	0.002	0.002	0.002#	33.54	
----- Linear regression (equal Weighting)----- Coefficient = 0.9978									
Response Ratio = -0.00052 + 0.00190 *A									
59)M cis-1,3-dichlorop	0.355	0.409	0.440	0.508	0.508	0.589	0.637	0.515	19.19
----- Linear regression (equal Weighting)----- Coefficient = 0.9960									
Response Ratio = 0.02568 + 0.57257 *A									
60)S toluene-d8 (s)	1.276	1.289	1.284	1.270	1.291	1.305	1.312	1.295	1.31
61)M 4-methyl-2-pentan			0.077	0.086	0.107	0.117	0.108	20.60	
----- Linear regression (equal Weighting)----- Coefficient = 0.9984									
Response Ratio = -0.01365 + 0.12894 *A									
62)c toluene		0.813	0.872	0.933	0.833	0.946	0.998	0.897	7.73
63)M trans-1,3-dichlor	0.259	0.302	0.332	0.376	0.396	0.461	0.509	0.401	22.82
----- Linear regression (equal Weighting)----- Coefficient = 0.9966									
Response Ratio = 0.01175 + 0.47041 *A									
64)M 1,1,2-trichloroet	0.191	0.206	0.214	0.192	0.216	0.225	0.210	6.61	
65)M ethyl methacrylat			0.191	0.232	0.268	0.299	0.267	17.92	

5.8.8 5

Initial Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MST393-ICC393
Lab FileID: T10968.D

5.8.8

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   ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9964
              Response Ratio = -0.00340 + 0.29674 *A


 66) I   chlorobenzene-d5      ----------------ISTD--------------------
 67)M tetrachloroethene        0.499 0.544 0.608 0.529 0.606 0.640 0.560  10.89
 68)M 1,3-dichloropropa        0.702 0.739 0.805 0.702 0.764 0.807 0.752   6.28
 69)M dibromochlorometh        0.320 0.355 0.390 0.379 0.437 0.478 0.412  14.56
 70)M 1,2-dibromoethane        0.312 0.325 0.360 0.331 0.372 0.401 0.360   9.69
 71)M 2-hexanone                     0.056 0.077 0.098 0.102 0.093  24.00
   ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9995
              Response Ratio = -0.01313 + 0.11310 *A

 72)P chlorobenzene            1.511 1.591 1.685 1.464 1.612 1.676 1.567   6.30
 73)M 1,1,1,2-tetrachlo        0.449 0.457 0.520 0.474 0.528 0.565 0.505   8.45
 74)c ethylbenzene             2.153 2.421 2.750 2.677 3.071 3.227 2.746  13.20
 75)M m,p-xylene        0.638 0.727 0.865 1.053 1.003 1.127 1.171 0.956  19.10
   ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9916
              Response Ratio = 0.21995 + 0.95265 *A

 76)M o-xylene                 0.742 0.842 1.056 0.996 1.110 1.152 0.992  14.29
 77)M styrene                  0.825 0.949 1.233 1.426 1.700 1.845 1.418  26.97
   ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9958
              Response Ratio = 0.09129 + 1.61874 *A

 78)P bromoform                0.174 0.188 0.209 0.200 0.232 0.260 0.227  18.08
   ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9992
              Response Ratio = -0.01815 + 0.27820 *A

 79)M trans-1,4-dichlor              0.083 0.088 0.099 0.108 0.099  11.88

 80) I   1,4-dichlorobenzene-d ----------------ISTD--------------------
 81)M isopropylbenzene               2.753 2.810 3.290 3.420 3.050   9.69
 82)S bromofluorobenzen 1.088 1.096 1.089 1.092 1.112 1.106 1.096 1.096   0.72
 83)M bromobenzene             0.650 0.701 0.740 0.678 0.762 0.792 0.724   6.84
 84)P 1,1,2,2-tetrachlo        0.492 0.530 0.553 0.508 0.535 0.545 0.522   5.60
 85)M 1,2,3-trichloropr        0.500 0.538 0.607 0.564 0.622 0.660 0.599  10.16
 86)M n-propylbenzene                3.954 4.000 4.665 4.866 4.307  10.22
 87)M 2-chlorotoluene          2.132 2.353 2.666 2.533 2.887 3.003 2.614  11.31
 88)M 4-chlorotoluene          2.105 2.375 2.761 2.613 2.956 3.103 2.673  12.36
 89)M 1,3,5-trimethylbe              2.810 2.801 3.239 3.372 3.031   8.86
 90)M tert-butylbenzene              1.643 1.659 1.927 2.024 1.823   9.15
 91)M 1,2,4-trimethylbe              2.858 2.848 3.286 3.434 3.081   8.79
 92)M sec-butylbenzene               3.754 3.554 4.145 4.288 3.873   8.96
 93)M 1,3-dichlorobenze        1.402 1.455 1.578 1.401 1.550 1.607 1.490   6.00
 94)M p-isopropyltoluen        2.445 2.678 2.999 2.764 3.165 3.296 2.877  10.44
 95)M 1,4-dichlorobenze        1.560 1.583 1.648 1.435 1.549 1.584 1.516   7.61
 96)M 1,2-dichlorobenze        1.176 1.215 1.320 1.197 1.303 1.361 1.267   5.75
 97)M n-butylbenzene                 3.127 3.054 3.563 3.738 3.340   9.33
 98)M 1,2-dibromo-3-chl        0.072 0.076 0.078 0.063 0.068 0.069 0.073   7.70
 99)M 1,2,4-trichlorobe        0.882 0.933 1.025 0.741 0.776 0.691 0.815  14.48
100)M hexachlorobutadie              0.692 0.752 0.558 0.582 0.563 0.608  13.50
101)M naphthalene                   1.502 1.006 1.031 0.795 1.030  23.82
   ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9978
              Response Ratio = -0.00288 + 0.92297 *A

102)M 1,2,3-trichlorobe             1.052 0.597 0.564 0.372 0.575  43.36
   ----- Linear regression  (equal Weighting)-----  Coefficient =  0.9947
              Response Ratio = 0.03881 + 0.42912 *A
```

Initial Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MST393-ICC393
Lab FileID: T10968.D

(#) = Out of Range ### Number of calibration levels exceeded format ###

T061609.m Wed Jun 17 12:00:05 2009 RPT1

5.8.8

5

Initial Calibration Verification

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MST393-ICV393
Lab FileID: T10979.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\T10979.D
Acq On : 16 Jun 2009 6:49 pm
Sample : icv393-50
Misc : MS18363,MST393,,,,5,1
MS Integration Params: rteint.p

Vial: 12
Operator: ALIT
Inst : MAMST
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\T061609.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Jun 17 11:40:59 2009
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	Tert Butyl Alcohol-d9	1.000	1.000	0.0	116	0.00	6.21
2 M	tertiary butyl alcohol	1.063	1.019	4.1	104	0.00	6.30
3 m	Ethanol	0.091	0.090	1.1	110	0.00	5.06
4 I	pentafluorobenzene	1.000	1.000	0.0	101	0.00	8.71
5 M	dichlorodifluoromethane	0.629	0.624	0.8	92	0.00	3.93
6 P	chloromethane	0.410	0.387	5.6	92	0.00	4.16
7 c	vinyl chloride	0.477	0.459	3.8	91	0.00	4.41
8 M	bromomethane	0.415	0.386	7.0	94	0.00	4.91
9 M	chloroethane	0.383	0.386	-0.8	95	0.00	5.08
		True	Calc.	% Drift			
10 M	acetonitrile	50.000	56.059	-12.1	137	-0.01	5.60
		AvgRF	CCRF	% Dev			
11 M	trichlorofluoromethane	0.994	0.966	2.8	94	0.00	5.71
12 M	freon-113	0.519	0.522	-0.6	95	-0.01	6.51
		True	Calc.	% Drift			
13 M	acrolein	250.000	247.961	0.8	103	0.00	5.70
		AvgRF	CCRF	% Dev			
14 c	1,1-dichloroethene	0.491	0.492	-0.2	97	0.00	6.30
		True	Calc.	% Drift			
15 M	acetone	50.000	52.584	-5.2	104	0.00	5.83
		AvgRF	CCRF	% Dev			
16 M	ethyl ether	0.309	0.328	-6.1	105	0.00	5.95
17 M	methyl acetate	0.252	0.263	-4.4	102	0.00	6.48
18 M	methylene chloride	0.638	0.617	3.3	100	0.00	6.45
19 M	methyl tert butyl ether	1.107	1.233	-11.4	106	0.00	7.25
20 M	acrylonitrile	0.078	0.083	-6.4	105	0.00	6.34
21 M	allyl chloride	0.530	0.548	-3.4	97	0.00	6.55
22 M	trans-1,2-dichloroethene	0.574	0.579	-0.9	99	0.00	7.16
23 M	iodomethane	0.741	0.769	-3.8	100	0.00	6.36
24 M	carbon disulfide	1.731	1.751	-1.2	96	0.00	6.73
		True	Calc.	% Drift			
25 M	propionitrile	50.000	51.210	-2.4	104	0.00	7.42
26 M	vinyl acetate	50.000	44.197	11.6	95	0.00	7.53

5.8.9 5

Initial Calibration Verification

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MST393-ICV393
Lab FileID: T10979.D

			AvgRF	CCRF	% Dev			
27	M	chloroprene	0.762	0.759	0.4	96	0.00	7.79
28	M	di-isopropyl ether	1.197	1.262	-5.4	100	0.00	7.84
			True	Calc.	% Drift			
29	M	methacrylonitrile	50.000	50.072	-0.1	109	0.00	7.95
30	M	2-butanone	50.000	53.600	-7.2	116	0.00	7.84
			AvgRF	CCRF	% Dev			
31	P	1,1-dichloroethane	0.982	0.995	-1.3	97	0.00	7.42
32	M	tert-butyl ethyl ether	1.330	1.442	-8.4	103	0.00	8.24
33	M	Hexane	0.606	0.611	-0.8	93	0.00	7.82
34	M	isobutyl alcohol	0.029	0.029#	0.0	103	0.00	8.24
35	M	2,2-dichloropropane	0.923	0.850	7.9	86	0.00	8.30
36	M	cis-1,2-dichloroethene	0.628	0.632	-0.6	99	0.00	8.00
37	M	ethyl acetate	0.145	0.147	-1.4	103	0.00	8.24
38	M	bromochloromethane	0.231	0.241	-4.3	103	0.00	8.17
39	c	chloroform	1.134	1.134	0.0	98	0.00	8.21
40	S	dibromofluoromethane (s)	0.526	0.515	2.1	100	0.00	8.34
41	M	1,1,1-trichloroethane	1.017	1.022	-0.5	96	0.00	8.98
42	I	1,4-difluorobenzene	1.000	1.000	0.0	100	0.00	9.60
43	M	cyclohexane	0.504	0.513	-1.8	96	0.00	9.27
44	M	carbon tetrachloride	0.514	0.514	0.0	96	0.00	9.35
45	M	1,1-dichloropropene	0.489	0.504	-3.1	96	0.00	9.16
46	M	benzene	1.375	1.434	-4.3	99	0.00	9.39
47	M	tetrahydrofuran	0.030	0.030#	0.0	111	0.00	8.55
48	M	1,2-dichloroethane	0.403	0.402	0.2	100	0.00	8.88
49	M	tert-amyl methyl ether	0.760	0.820	-7.9	105	0.00	9.52
50	M	heptane	0.375	0.360	4.0	89	0.00	9.89
51	M	trichloroethene	0.382	0.393	-2.9	98	0.00	10.03
52	c	1,2-dichloropropane	0.334	0.346	-3.6	101	0.00	9.99
53	M	dibromomethane	0.171	0.178	-4.1	104	0.00	9.96
54	M	bromodichloromethane	0.481	0.502	-4.4	100	0.00	10.08
55	M	methylcyclohexane	0.635	0.650	-2.4	97	0.00	10.56
			True	Calc.	% Drift			
56	M	2-chloroethyl vinyl ether	50.000	52.679	-5.4	110	0.00	10.46
57	M	methyl methacrylate	50.000	49.026	1.9	108	0.00	10.18
58	M	1,4-dioxane	250.000	226.545	9.4	97	0.00	10.18
59	M	cis-1,3-dichloropropene	50.000	48.961	2.1	100	0.00	10.71
			AvgRF	CCRF	% Dev			
60	S	toluene-d8 (s)	1.295	1.295	0.0	100	0.00	11.44
			True	Calc.	% Drift			
61	M	4-methyl-2-pentanone	50.000	49.438	1.1	106	0.00	10.80
			AvgRF	CCRF	% Dev			
62	c	toluene	0.897	0.923	-2.9	98	0.00	11.51
			True	Calc.	% Drift			
63	M	trans-1,3-dichloropropene	50.000	48.019	4.0	101	0.00	11.14
			AvgRF	CCRF	% Dev			
64	M	1,1,2-trichloroethane	0.210	0.220	-4.8	102	0.00	11.32
			True	Calc.	% Drift			
65	M	ethyl methacrylate	50.000	47.881	4.2	105	0.00	11.53

5.8.9

5

Initial Calibration Verification

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MST393-ICV393
Lab FileID: T10979.D

			AvgRF	CCRF	% Dev			
66	I	chlorobenzene-d5	1.000	1.000	0.0	99	0.00	12.92
67	M	tetrachloroethene	0.560	0.593	-5.9	97	0.00	12.26
68	M	1,3-dichloropropane	0.752	0.789	-4.9	102	0.00	11.55
69	M	dibromochloromethane	0.412	0.448	-8.7	102	0.00	11.85
70	M	1,2-dibromoethane	0.360	0.395	-9.7	105	0.00	12.10
			True	Calc.	% Drift			
71	M	2-hexanone	50.000	51.717	-3.4	105	0.00	11.68
			AvgRF	CCRF	% Dev			
72	P	chlorobenzene	1.567	1.612	-2.9	99	0.00	12.95
73	M	1,1,1,2-tetrachloroethane	0.505	0.532	-5.3	100	0.00	12.87
74	c	ethylbenzene	2.746	3.021	-10.0	98	0.00	13.13
			True	Calc.	% Drift			
75	M	m,p-xylene	100.000	105.907	-5.9	98	0.00	13.32
			AvgRF	CCRF	% Dev			
76	M	o-xylene	0.992	1.099	-10.8	98	0.00	13.74
			True	Calc.	% Drift			
77	M	styrene	50.000	49.856	0.3	99	0.00	13.67
78	P	bromoform	50.000	47.802	4.4	106	0.00	13.48
			AvgRF	CCRF	% Dev			
79	M	trans-1,4-dichloro-2-bute	0.099	0.100	-1.0	100	0.00	13.89
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	100	0.00	15.52
81	M	isopropylbenzene	3.050	3.192	-4.7	97	0.00	14.11
82	S	bromofluorobenzene (s)	1.096	1.098	-0.2	99	0.00	14.17
83	M	bromobenzene	0.724	0.771	-6.5	101	0.00	14.39
84	P	1,1,2,2-tetrachloroethane	0.522	0.562	-7.7	105	0.00	13.74
85	M	1,2,3-trichloropropane	0.599	0.648	-8.2	104	0.00	13.89
86	M	n-propylbenzene	4.307	4.514	-4.8	97	0.00	14.56
87	M	2-chlorotoluene	2.614	2.848	-9.0	99	0.00	14.68
88	M	4-chlorotoluene	2.673	2.877	-7.6	97	0.00	14.76
89	M	1,3,5-trimethylbenzene	3.031	3.165	-4.4	98	0.00	14.85
90	M	tert-butylbenzene	1.823	1.869	-2.5	97	0.00	15.15
91	M	1,2,4-trimethylbenzene	3.081	3.227	-4.7	98	0.00	15.26
92	M	sec-butylbenzene	3.873	4.018	-3.7	97	0.00	15.38
93	M	1,3-dichlorobenzene	1.490	1.547	-3.8	100	0.00	15.48
94	M	p-isopropyltoluene	2.877	3.073	-6.8	97	0.00	15.55
95	M	1,4-dichlorobenzene	1.516	1.553	-2.4	100	0.00	15.55
96	M	1,2-dichlorobenzene	1.267	1.341	-5.8	103	0.00	15.92
97	M	n-butylbenzene	3.340	3.442	-3.1	97	0.00	15.98
98	M	1,2-dibromo-3-chloropropa	0.073	0.071	2.7	103	0.00	16.40
99	M	1,2,4-trichlorobenzene	0.815	0.770	5.5	99	0.00	17.80
100	M	hexachlorobutadiene	0.608	0.561	7.7	96	0.00	18.11
			True	Calc.	% Drift			
101	M	naphthalene	50.000	54.009	-8.0	97	0.00	18.09
102	M	1,2,3-trichlorobenzene	50.000	55.680	-11.4	92	0.00	18.30

(0.0 %) 0 of 98 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0

5.8.9

5

Initial Calibration Verification

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MST393-ICV393
Lab FileID: T10979.D

T10969.D T061609.m Wed Jun 17 11:56:57 2009 RPT1

5.8.9

5

Continuing Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MST394-CC393
Lab FileID: T11018.D

5.8.10

5

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\T11018.D
Acq On : 17 Jun 2009 1:34 pm
Sample : CC393-50
Misc : MS18363,MST394,,,,5,1
MS Integration Params: rteint.p

Vial: 2
Operator: ALIT
Inst : MAMST
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\T061609.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Jun 17 11:40:59 2009
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1		Tert Butyl Alcohol-d9	1.000	1.000	0.0	122	0.00	6.21
2	M	tertiary butyl alcohol	1.063	1.065	-0.2	114	0.00	6.30
3	m	Ethanol	0.091	0.104	-14.3	133	0.00	5.06
4	I	pentafluorobenzene	1.000	1.000	0.0	115	0.00	8.71
5	M	dichlorodifluoromethane	0.629	0.608	3.3	102	0.00	3.93
6	P	chloromethane	0.410	0.367	10.5	100	0.00	4.17
7	c	vinyl chloride	0.477	0.446	6.5	101	0.00	4.42
8	M	bromomethane	0.415	0.356	14.2	99	0.00	4.91
9	M	chloroethane	0.383	0.435	-13.6	122	0.00	5.09
			True	Calc.	% Drift			
10	M	acetonitrile	50.000	50.560	-1.1	135	0.00	5.61
			AvgRF	CCRF	% Dev			
11	M	trichlorofluoromethane	0.994	0.984	1.0	109	0.00	5.72
12	M	freon-113	0.519	0.561	-8.1	116	0.00	6.51
			True	Calc.	% Drift			
13	M	acrolein	250.000	-50.000	120.0#	1619	0.00	5.70
			AvgRF	CCRF	% Dev			
14	c	1,1-dichloroethene	0.491	0.522	-6.3	117	0.00	6.31
			True	Calc.	% Drift			
15	M	acetone	50.000	193.887	-287.8#	512	0.00	5.83
			AvgRF	CCRF	% Dev			
16	M	ethyl ether	0.309	0.348	-12.6	127	0.00	5.96
17	M	methyl acetate	0.252	0.287	-13.9	127	0.00	6.49
18	M	methylene chloride	0.638	0.627	1.7	116	0.00	6.45
19	M	methyl tert butyl ether	1.107	1.160	-4.8	114	0.00	7.26
20	M	acrylonitrile	0.078	0.094	-20.5#	135	0.00	6.34
21	M	allyl chloride	0.530	0.628	-18.5	126	0.00	6.55
22	M	trans-1,2-dichloroethene	0.574	0.600	-4.5	117	0.00	7.16
23	M	iodomethane	0.741	0.765	-3.2	113	0.00	6.36
24	M	carbon disulfide	1.731	1.932	-11.6	120	0.00	6.73
			True	Calc.	% Drift			
25	M	propionitrile	50.000	53.498	-7.0	124	0.00	7.42
26	M	vinyl acetate	50.000	53.476	-7.0	131	0.00	7.53

Continuing Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MST394-CC393
Lab FileID: T11018.D

		AvgRF	CCRF	% Dev			
27 M	chloroprene	0.762	0.810	-6.3	116	0.00	7.79
28 M	di-isopropyl ether	1.197	1.412	-18.0	127	0.00	7.84
		True	Calc.	% Drift			
29 M	methacrylonitrile	50.000	53.616	-7.2	133	0.00	7.95
30 M	2-butanone	50.000	107.881	-115.8#	267	0.00	7.84
		AvgRF	CCRF	% Dev			
31 P	1,1-dichloroethane	0.982	1.055	-7.4	118	0.00	7.42
32 M	tert-butyl ethyl ether	1.330	1.460	-9.8	118	0.00	8.25
33 M	Hexane	0.606	0.713	-17.7	123	0.00	7.82
34 M	isobutyl alcohol	0.029	0.030#	-3.4	118	0.00	8.25
35 M	2,2-dichloropropane	0.923	0.908	1.6	105	0.00	8.30
36 M	cis-1,2-dichloroethene	0.628	0.646	-2.9	116	0.00	8.00
37 M	ethyl acetate	0.145	0.146	-0.7	117	0.00	8.25
38 M	bromochloromethane	0.231	0.233	-0.9	114	0.00	8.17
39 c	chloroform	1.134	1.134	0.0	112	0.00	8.21
40 S	dibromofluoromethane (s)	0.526	0.527	-0.2	117	0.00	8.34
41 M	1,1,1-trichloroethane	1.017	0.977	3.9	105	0.00	8.98
42 I	1,4-difluorobenzene	1.000	1.000	0.0	119	0.00	9.60
43 M	cyclohexane	0.504	0.565	-12.1	126	0.00	9.28
44 M	carbon tetrachloride	0.514	0.473	8.0	104	0.00	9.36
45 M	1,1-dichloropropene	0.489	0.512	-4.7	116	0.00	9.16
46 M	benzene	1.375	1.429	-3.9	117	0.00	9.39
47 M	tetrahydrofuran	0.030	0.032#	-6.7	140	0.00	8.55
48 M	1,2-dichloroethane	0.403	0.380	5.7	113	0.00	8.88
49 M	tert-amyl methyl ether	0.760	0.757	0.4	115	0.00	9.52
50 M	heptane	0.375	0.450	-20.0#	132	0.00	9.89
51 M	trichloroethene	0.382	0.379	0.8	112	0.00	10.03
52 c	1,2-dichloropropane	0.334	0.352	-5.4	122	0.00	9.99
53 M	dibromomethane	0.171	0.167	2.3	116	0.00	9.96
54 M	bromodichloromethane	0.481	0.466	3.1	110	0.00	10.08
55 M	methylcyclohexane	0.635	0.682	-7.4	120	0.00	10.56
		True	Calc.	% Drift			
56 M	2-chloroethyl vinyl ether	50.000	47.072	5.9	113	0.00	10.47
57 M	methyl methacrylate	50.000	47.472	5.1	123	0.00	10.18
58 M	1,4-dioxane	250.000	226.323	9.5	114	0.00	10.18
59 M	cis-1,3-dichloropropene	50.000	47.561	4.9	115	0.00	10.71
		AvgRF	CCRF	% Dev			
60 S	toluene-d8 (s)	1.295	1.298	-0.2	118	0.00	11.44
		True	Calc.	% Drift			
61 M	4-methyl-2-pentanone	50.000	56.826	-13.7	147	0.00	10.81
		AvgRF	CCRF	% Dev			
62 c	toluene	0.897	0.900	-0.3	113	0.00	11.51
		True	Calc.	% Drift			
63 M	trans-1,3-dichloropropene	50.000	45.224	9.6	113	0.00	11.14
		AvgRF	CCRF	% Dev			
64 M	1,1,2-trichloroethane	0.210	0.215	-2.4	118	0.00	11.32
		True	Calc.	% Drift			
65 M	ethyl methacrylate	50.000	46.237	7.5	120	0.00	11.53

5.8.10 5

Continuing Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MST394-CC393
Lab FileID: T11018.D

			AvgRF	CCRF	% Dev			
66	I	chlorobenzene-d5	1.000	1.000	0.0	117	0.00	12.92
67	M	tetrachloroethene	0.560	0.563	-0.5	108	0.00	12.27
68	M	1,3-dichloropropane	0.752	0.787	-4.7	120	0.00	11.56
69	M	dibromochloromethane	0.412	0.404	1.9	108	0.00	11.85
70	M	1,2-dibromoethane	0.360	0.363	-0.8	114	0.00	12.11
			True	Calc.	% Drift			
71	M	2-hexanone	50.000	115.049	-130.1#	295	0.00	11.68
			AvgRF	CCRF	% Dev			
72	P	chlorobenzene	1.567	1.553	0.9	113	0.00	12.96
73	M	1,1,1,2-tetrachloroethane	0.505	0.481	4.8	106	0.00	12.87
74	c	ethylbenzene	2.746	2.940	-7.1	112	0.00	13.14
			True	Calc.	% Drift			
75	M	m,p-xylene	100.000	102.966	-3.0	113	0.00	13.32
			AvgRF	CCRF	% Dev			
76	M	o-xylene	0.992	1.066	-7.5	112	0.00	13.74
			True	Calc.	% Drift			
77	M	styrene	50.000	47.541	4.9	112	0.00	13.67
78	P	bromoform	50.000	41.322	17.4	107	0.00	13.49
			AvgRF	CCRF	% Dev			
79	M	trans-1,4-dichloro-2-bute	0.099	0.098	1.0	116	0.00	13.89
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	116	0.00	15.52
81	M	isopropylbenzene	3.050	3.104	-1.8	109	0.00	14.12
82	S	bromofluorobenzene (s)	1.096	1.116	-1.8	117	0.00	14.16
83	M	bromobenzene	0.724	0.711	1.8	108	0.00	14.40
84	P	1,1,2,2-tetrachloroethane	0.522	0.563	-7.9	122	0.00	13.74
85	M	1,2,3-trichloropropane	0.599	0.639	-6.7	119	0.00	13.89
86	M	n-propylbenzene	4.307	4.527	-5.1	112	0.00	14.56
87	M	2-chlorotoluene	2.614	2.740	-4.8	110	0.00	14.68
88	M	4-chlorotoluene	2.673	2.794	-4.5	109	0.00	14.76
89	M	1,3,5-trimethylbenzene	3.031	3.036	-0.2	108	0.00	14.85
90	M	tert-butylbenzene	1.823	1.812	0.6	109	0.00	15.15
91	M	1,2,4-trimethylbenzene	3.081	3.075	0.2	108	0.00	15.26
92	M	sec-butylbenzene	3.873	4.006	-3.4	112	0.00	15.38
93	M	1,3-dichlorobenzene	1.490	1.465	1.7	109	0.00	15.48
94	M	p-isopropyltoluene	2.877	2.996	-4.1	109	0.00	15.56
95	M	1,4-dichlorobenzene	1.516	1.482	2.2	111	0.00	15.55
96	M	1,2-dichlorobenzene	1.267	1.254	1.0	111	0.00	15.92
97	M	n-butylbenzene	3.340	3.484	-4.3	113	0.00	15.98
98	M	1,2-dibromo-3-chloropropa	0.073	0.066	9.6	111	0.00	16.40
99	M	1,2,4-trichlorobenzene	0.815	0.759	6.9	113	0.00	17.80
100	M	hexachlorobutadiene	0.608	0.526	13.5	105	0.00	18.11
			True	Calc.	% Drift			
101	M	naphthalene	50.000	56.897	-13.8	117	0.00	18.09
102	M	1,2,3-trichlorobenzene	50.000	59.443	-18.9	113	0.00	18.31

(5.2 %) 5 of 97 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0

5.8.10

5

Continuing Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MST394-CC393
Lab FileID: T11018.D

T10969.D T061609.m Thu Jun 18 17:35:55 2009 RPT1

Continuing Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MST395-CC393
Lab FileID: T11046.D

5.8.11

5

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\T11046.D
Acq On : 18 Jun 2009 2:03 am
Sample : cc393-50
Misc : MS18467,MST395,,,,5,1
MS Integration Params: rteint.p

Vial: 30
Operator: ALIT
Inst : MAMST
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\T061609.m (RTE Integrator)
Title : SW-846 Method 8260
Last Update : Wed Jun 17 11:40:59 2009
Response via : Multiple Level Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	Tert Butyl Alcohol-d9	1.000	1.000	0.0	113	0.00	6.21
2 M	tertiary butyl alcohol	1.063	1.062	0.1	106	0.00	6.30
3 m	Ethanol	0.091	0.108	-18.7	129	0.00	5.07
4 I	pentafluorobenzene	1.000	1.000	0.0	98	0.00	8.71
5 M	dichlorodifluoromethane	0.629	0.600	4.6	85	0.00	3.93
6 P	chloromethane	0.410	0.374	8.8	86	0.00	4.17
7 c	vinyl chloride	0.477	0.449	5.9	86	0.00	4.42
8 M	bromomethane	0.415	0.330	20.5#	78	0.00	4.91
9 M	chloroethane	0.383	0.413	-7.8	98	-0.01	5.08
		True	Calc.	% Drift			
10 M	acetonitrile	50.000	71.591	-43.2#	187	0.00	5.61
		AvgRF	CCRF	% Dev			
11 M	trichlorofluoromethane	0.994	0.932	6.2	88	0.00	5.72
12 M	freon-113	0.519	0.525	-1.2	92	0.00	6.51
		True	Calc.	% Drift			
13 M	acrolein	250.000	-50.000	120.0#	1643	0.00	5.70
		AvgRF	CCRF	% Dev			
14 c	1,1-dichloroethene	0.491	0.497	-1.2	95	0.00	6.31
		True	Calc.	% Drift			
15 M	acetone	50.000	143.721	-187.4#	316	0.00	5.84
		AvgRF	CCRF	% Dev			
16 M	ethyl ether	0.309	0.336	-8.7	104	0.00	5.96
17 M	methyl acetate	0.252	0.311	-23.4#	117	0.00	6.49
18 M	methylene chloride	0.638	0.587	8.0	92	0.00	6.45
19 M	methyl tert butyl ether	1.107	1.140	-3.0	95	0.00	7.26
20 M	acrylonitrile	0.078	0.101	-29.5#	124	0.00	6.34
21 M	allyl chloride	0.530	0.588	-10.9	100	0.00	6.56
22 M	trans-1,2-dichloroethene	0.574	0.556	3.1	92	0.00	7.17
23 M	iodomethane	0.741	0.690	6.9	86	0.00	6.36
24 M	carbon disulfide	1.731	1.821	-5.2	96	0.00	6.74
		True	Calc.	% Drift			
25 M	propionitrile	50.000	60.467	-20.9#	119	0.01	7.43
26 M	vinyl acetate	50.000	50.903	-1.8	106	0.00	7.53

Continuing Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MST395-CC393
Lab FileID: T11046.D

		AvgRF	CCRF	% Dev			
27 M	chloroprene	0.762	0.769	-0.9	94	0.00	7.80
28 M	di-isopropyl ether	1.197	1.331	-11.2	102	0.00	7.84
		True	Calc.	% Drift			
29 M	methacrylonitrile	50.000	55.429	-10.9	117	0.00	7.95
30 M	2-butanone	50.000	78.581	-57.2#	165	0.00	7.84
		AvgRF	CCRF	% Dev			
31 P	1,1-dichloroethane	0.982	0.988	-0.6	94	0.00	7.42
32 M	tert-butyl ethyl ether	1.330	1.350	-1.5	93	0.00	8.25
33 M	Hexane	0.606	0.653	-7.8	96	0.00	7.83
34 M	isobutyl alcohol	0.029	0.029#	0.0	99	0.00	8.25
35 M	2,2-dichloropropane	0.923	0.688	25.5#	67	0.00	8.30
36 M	cis-1,2-dichloroethene	0.628	0.594	5.4	91	0.00	8.01
37 M	ethyl acetate	0.145	0.144	0.7	98	0.00	8.25
38 M	bromochloromethane	0.231	0.216	6.5	90	0.00	8.18
39 c	chloroform	1.134	1.029	9.3	86	0.00	8.22
40 S	dibromofluoromethane (s)	0.526	0.500	4.9	94	0.00	8.34
41 M	1,1,1-trichloroethane	1.017	0.908	10.7	83	0.00	8.99
42 I	1,4-difluorobenzene	1.000	1.000	0.0	97	0.00	9.60
43 M	cyclohexane	0.504	0.577	-14.5	105	0.00	9.28
44 M	carbon tetrachloride	0.514	0.458	10.9	83	0.00	9.36
45 M	1,1-dichloropropene	0.489	0.497	-1.6	92	0.00	9.17
46 M	benzene	1.375	1.385	-0.7	93	0.00	9.40
47 M	tetrahydrofuran	0.030	0.038#	-26.7#	135	0.00	8.55
48 M	1,2-dichloroethane	0.403	0.375	6.9	91	0.00	8.88
49 M	tert-amyl methyl ether	0.760	0.739	2.8	92	0.00	9.52
50 M	heptane	0.375	0.405	-8.0	97	0.00	9.89
51 M	trichloroethene	0.382	0.362	5.2	88	0.00	10.03
52 c	1,2-dichloropropane	0.334	0.340	-1.8	97	0.00	9.99
53 M	dibromomethane	0.171	0.167	2.3	95	0.00	9.97
54 M	bromodichloromethane	0.481	0.438	8.9	85	0.00	10.08
55 M	methylcyclohexane	0.635	0.670	-5.5	97	0.00	10.56
		True	Calc.	% Drift			
56 M	2-chloroethyl vinyl ether	50.000	46.319	7.4	91	0.01	10.48
57 M	methyl methacrylate	50.000	49.260	1.5	105	0.00	10.19
58 M	1,4-dioxane	250.000	244.361	2.3	102	0.00	10.18
59 M	cis-1,3-dichloropropene	50.000	43.365	13.3	86	0.00	10.71
		AvgRF	CCRF	% Dev			
60 S	toluene-d8 (s)	1.295	1.281	1.1	96	0.00	11.44
		True	Calc.	% Drift			
61 M	4-methyl-2-pentanone	50.000	55.111	-10.2	117	0.00	10.81
		AvgRF	CCRF	% Dev			
62 c	toluene	0.897	0.858	4.3	88	0.00	11.51
		True	Calc.	% Drift			
63 M	trans-1,3-dichloropropene	50.000	42.121	15.8	86	0.00	11.15
		AvgRF	CCRF	% Dev			
64 M	1,1,2-trichloroethane	0.210	0.214	-1.9	97	0.00	11.32
		True	Calc.	% Drift			
65 M	ethyl methacrylate	50.000	45.647	8.7	97	0.00	11.53

5.8.11 5

Continuing Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MST395-CC393
Lab FileID: T11046.D

			AvgRF	CCRF	% Dev			
66	I	chlorobenzene-d5	1.000	1.000	0.0	93	0.00	12.92
67	M	tetrachloroethene	0.560	0.543	3.0	84	0.00	12.27
68	M	1,3-dichloropropane	0.752	0.810	-7.7	99	0.00	11.56
69	M	dibromochloromethane	0.412	0.396	3.9	85	0.00	11.85
70	M	1,2-dibromoethane	0.360	0.373	-3.6	93	0.00	12.11
			True	Calc.	% Drift			
71	M	2-hexanone	50.000	78.354	-56.7#	157	0.00	11.69
			AvgRF	CCRF	% Dev			
72	P	chlorobenzene	1.567	1.467	6.4	85	0.00	12.96
73	M	1,1,1,2-tetrachloroethane	0.505	0.454	10.1	80	0.00	12.87
74	c	ethylbenzene	2.746	2.826	-2.9	86	0.00	13.14
			True	Calc.	% Drift			
75	M	m,p-xylene	100.000	98.511	1.5	87	0.00	13.33
			AvgRF	CCRF	% Dev			
76	M	o-xylene	0.992	1.019	-2.7	86	0.00	13.75
			True	Calc.	% Drift			
77	M	styrene	50.000	43.744	12.5	83	0.00	13.67
78	P	bromoform	50.000	41.613	16.8	86	0.00	13.49
			AvgRF	CCRF	% Dev			
79	M	trans-1,4-dichloro-2-bute	0.099	0.097	2.0	92	0.00	13.90
80	I	1,4-dichlorobenzene-d4	1.000	1.000	0.0	93	0.00	15.52
81	M	isopropylbenzene	3.050	2.994	1.8	84	0.00	14.12
82	S	bromofluorobenzene (s)	1.096	1.106	-0.9	93	0.00	14.17
83	M	bromobenzene	0.724	0.674	6.9	82	0.00	14.40
84	P	1,1,2,2-tetrachloroethane	0.522	0.585	-12.1	101	0.00	13.74
85	M	1,2,3-trichloropropane	0.599	0.658	-9.8	98	0.00	13.90
86	M	n-propylbenzene	4.307	4.374	-1.6	87	0.00	14.57
87	M	2-chlorotoluene	2.614	2.617	-0.1	84	0.00	14.68
88	M	4-chlorotoluene	2.673	2.639	1.3	83	0.00	14.76
89	M	1,3,5-trimethylbenzene	3.031	2.873	5.2	82	0.00	14.85
90	M	tert-butylbenzene	1.823	1.747	4.2	84	0.00	15.16
91	M	1,2,4-trimethylbenzene	3.081	2.891	6.2	82	0.00	15.26
92	M	sec-butylbenzene	3.873	3.899	-0.7	87	0.00	15.38
93	M	1,3-dichlorobenzene	1.490	1.370	8.1	82	0.00	15.48
94	M	p-isopropyltoluene	2.877	2.883	-0.2	84	0.00	15.56
95	M	1,4-dichlorobenzene	1.516	1.394	8.0	83	0.00	15.55
96	M	1,2-dichlorobenzene	1.267	1.196	5.6	85	0.00	15.92
97	M	n-butylbenzene	3.340	3.331	0.3	87	0.00	15.98
98	M	1,2-dibromo-3-chloropropa	0.073	0.071	2.7	96	0.00	16.40
99	M	1,2,4-trichlorobenzene	0.815	0.707	13.3	84	0.00	17.80
100	M	hexachlorobutadiene	0.608	0.491	19.2	78	0.00	18.12
			True	Calc.	% Drift			
101	M	naphthalene	50.000	58.667	-17.3	97	0.00	18.09
102	M	1,2,3-trichlorobenzene	50.000	58.515	-17.0	89	0.00	18.31

(10.3 %) 10 of 97 compounds'%D > 20

(#) = Out of Range SPCC's out = 0 CCC's out = 0

5.8.11

5

ACCUTEST. Laboratories

M83560

Continuing Calibration Summary

Job Number: M83560
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MST395-CC393
Lab FileID: T11046.D

T10969.D T061609.m Fri Jun 19 09:57:21 2009 RPT1

5.8.11
5

APPENDIX B

Sections: 1 2 3 4 5 6

Table of Contents

-1-

ACCUTEST Laboratories

2

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Triumvirate Environmental **Job No** M83561

Site: 42-14 19th Avenue, Astoria NY **Report Date** 6/24/2009 9:20:23 AM

6 Sample(s) were collected on 06/10/2009 and were received at Accutest on 06/12/2009 and intact. These Samples received an Accutest job number of M83561. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method TO-15

Matrix AIR **Batch ID:** MSQ512

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M83561-4DUP were used as the QC samples indicated.
- RPD(s) for Duplicate for 1,1-Dichloroethylene, Vinyl chloride are outside control limits for sample M83561-4DUP. High RPD due to possible matrix interference and/or sample non-homogeneity.
- RPD for M83561-4DUP for 1,2-Dichloroethane, Freon 113: High RPD due to sample levels below reporting limit.
- RPD for M83561-4DUP for Trichloroethylene: High RPD due to sample levels above calibration range.
- Continuing calibration chcek standard MSQ511-CC511 for Hexachlorobutadiene exceed 30% Difference (response bias high). Associated samples are non-detect for this compound. This calibration check standard is in the batch for summa cleaning certification.

Matrix AIR **Batch ID:** MSQ513

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M83561-6DUP were used as the QC samples indicated.
- Continuing calibration check standard for Hexachlorobutadiene MSQ513-CC513 exceed 30% Difference (response bias high). Associated samples are non-detect for this compound.
- RPD(s) for Duplicate for Acetone are outside control limits for sample M83561-6DUP. High RPD due to possible matrix interference and/or sample non-homogeneity.
- MSQ513-BS for Hexachlorobutadiene: Outside control limits. Associated samples are non-detect for this compound.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M83561).

Accutest Laboratories

Report of Analysis

Client Sample ID:	SGP-2		
Lab Sample ID:	M83561-1	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M187,M199	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q11385.D	10	06/17/09	DFT	n/a	n/a	MSQ512
Run #2	Q11393.D	200	06/17/09	DFT	n/a	n/a	MSQ512

	Initial Volume
Run #1	400 ml
Run #2	400 ml

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	11.9	5.0	ppbv		28.3	12	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	5.0	ppbv		ND	11	ug/m3
71-43-2	78.11	Benzene	ND	5.0	ppbv		ND	16	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	5.0	ppbv		ND	33	ug/m3
75-25-2	252.8	Bromoform	ND	5.0	ppbv		ND	52	ug/m3
74-83-9	94.94	Bromomethane	ND	5.0	ppbv		ND	19	ug/m3
593-60-2	106.9	Bromoethene	ND	5.0	ppbv		ND	22	ug/m3
100-44-7	126	Benzyl Chloride	ND	5.0	ppbv		ND	26	ug/m3
75-15-0	76.14	Carbon disulfide	ND	5.0	ppbv		ND	16	ug/m3
108-90-7	112.6	Chlorobenzene	ND	5.0	ppbv		ND	23	ug/m3
75-00-3	64.52	Chloroethane	ND	2.0	ppbv		ND	5.3	ug/m3
67-66-3	119.4	Chloroform	183	5.0	ppbv		894	24	ug/m3
74-87-3	50.49	Chloromethane	ND	5.0	ppbv		ND	10	ug/m3
107-05-1	76.53	3-Chloropropene	ND	5.0	ppbv		ND	16	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	5.0	ppbv		ND	26	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	2.0	ppbv		ND	13	ug/m3
110-82-7	84.16	Cyclohexane	ND	5.0	ppbv		ND	17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	356	2.0	ppbv		1440	8.1	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	2.0	ppbv		ND	7.9	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	5.0	ppbv		ND	38	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	2.0	ppbv		ND	8.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	5.0	ppbv		ND	23	ug/m3
123-91-1	88	1,4-Dioxane	ND	5.0	ppbv		ND	18	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	5.0	ppbv		ND	25	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	5.0	ppbv		ND	43	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	35.5	2.0	ppbv		141	7.9	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	2790 [a]	40	ppbv		11100 [a]	160	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	5.0	ppbv		ND	23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	5.0	ppbv		ND	30	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	5.0	ppbv		ND	30	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	5.0	ppbv		ND	30	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	5.0	ppbv		ND	23	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SGP-2		
Lab Sample ID:	M83561-1	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M187,M199	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SGP-4		
Lab Sample ID:	M83561-2	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M183,M197	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46	Ethanol	22.5	5.0	ppbv		42.3	9.4	ug/m3
100-41-4	106.2	Ethylbenzene	ND	5.0	ppbv		ND	22	ug/m3
141-78-6	88	Ethyl Acetate	ND	5.0	ppbv		ND	18	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	5.0	ppbv		ND	25	ug/m3
76-13-1	187.4	Freon 113	ND	5.0	ppbv		ND	38	ug/m3
76-14-2	170.9	Freon 114	ND	5.0	ppbv		ND	35	ug/m3
142-82-5	100.2	Heptane	ND	5.0	ppbv		ND	20	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	5.0	ppbv		ND	53	ug/m3
110-54-3	86.17	Hexane	ND	5.0	ppbv		ND	18	ug/m3
591-78-6	100	2-Hexanone	ND	5.0	ppbv		ND	20	ug/m3
67-63-0	60	Isopropyl Alcohol	ND	5.0	ppbv		ND	12	ug/m3
75-09-2	84.94	Methylene chloride	ND	5.0	ppbv		ND	17	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	5.0	ppbv		ND	15	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	5.0	ppbv		ND	20	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	5.0	ppbv		ND	18	ug/m3
115-07-1	42	Propylene	ND	5.0	ppbv		ND	8.6	ug/m3
100-42-5	104.1	Styrene	ND	5.0	ppbv		ND	21	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	37.8	2.0	ppbv		206	11	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	2.0	ppbv		ND	14	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	2.0	ppbv		ND	11	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	5.0	ppbv		ND	37	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	5.0	ppbv		ND	25	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	5.0	ppbv		ND	25	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	5.0	ppbv		ND	23	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	5.0	ppbv		ND	15	ug/m3
127-18-4	165.8	Tetrachloroethylene	181	2.0	ppbv		1230	14	ug/m3
109-99-9	72	Tetrahydrofuran	ND	5.0	ppbv		ND	15	ug/m3
108-88-3	92.14	Toluene	ND	5.0	ppbv		ND	19	ug/m3
79-01-6	131.4	Trichloroethylene	312 [a]	40	ppbv		1680 [a]	210	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	5.0	ppbv		ND	28	ug/m3
75-01-4	62.5	Vinyl chloride	ND	2.0	ppbv		ND	5.1	ug/m3
108-05-4	86	Vinyl Acetate	ND	5.0	ppbv		ND	18	ug/m3
	106.2	m,p-Xylene	ND	5.0	ppbv		ND	22	ug/m3
95-47-6	106.2	o-Xylene	ND	5.0	ppbv		ND	22	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	5.0	ppbv		ND	22	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%	93%	50-129%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SGP-6		
Lab Sample ID:	M83561-3	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M194	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q11392.D	2	06/17/09	DFT	n/a	n/a	MSQ512
Run #2	Q11387.D	10	06/17/09	DFT	n/a	n/a	MSQ512

	Initial Volume
Run #1	400 ml
Run #2	400 ml

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	26.4	1.0	ppbv		62.7	2.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	1.0	ppbv		ND	2.2	ug/m3
71-43-2	78.11	Benzene	ND	1.0	ppbv		ND	3.2	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	1.0	ppbv		ND	6.7	ug/m3
75-25-2	252.8	Bromoform	ND	1.0	ppbv		ND	10	ug/m3
74-83-9	94.94	Bromomethane	ND	1.0	ppbv		ND	3.9	ug/m3
593-60-2	106.9	Bromoethene	ND	1.0	ppbv		ND	4.4	ug/m3
100-44-7	126	Benzyl Chloride	ND	1.0	ppbv		ND	5.2	ug/m3
75-15-0	76.14	Carbon disulfide	ND	1.0	ppbv		ND	3.1	ug/m3
108-90-7	112.6	Chlorobenzene	ND	1.0	ppbv		ND	4.6	ug/m3
75-00-3	64.52	Chloroethane	ND	0.40	ppbv		ND	1.1	ug/m3
67-66-3	119.4	Chloroform	21.6	1.0	ppbv		105	4.9	ug/m3
74-87-3	50.49	Chloromethane	ND	1.0	ppbv		ND	2.1	ug/m3
107-05-1	76.53	3-Chloropropene	ND	1.0	ppbv		ND	3.1	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	1.0	ppbv		ND	5.2	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.40	ppbv		ND	2.5	ug/m3
110-82-7	84.16	Cyclohexane	ND	1.0	ppbv		ND	3.4	ug/m3
75-34-3	98.96	1,1-Dichloroethane	9.9	0.40	ppbv		40	1.6	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.40	ppbv		ND	1.6	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	1.0	ppbv		ND	7.7	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.43	0.40	ppbv		1.7	1.6	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	1.0	ppbv		ND	4.6	ug/m3
123-91-1	88	1,4-Dioxane	ND	1.0	ppbv		ND	3.6	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	1.0	ppbv		ND	4.9	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	1.0	ppbv		ND	8.5	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.49	0.40	ppbv		1.9	1.6	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	74.2 [a]	2.0	ppbv		294 [a]	7.9	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	1.0	ppbv		ND	4.5	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	1.0	ppbv		ND	6.0	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	1.0	ppbv		ND	6.0	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	1.0	ppbv		ND	6.0	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	1.0	ppbv		ND	4.5	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SGP-6		
Lab Sample ID:	M83561-3	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M194	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SGP-9		
Lab Sample ID:	M83561-4	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M104,M179	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46	Ethanol	26.4	5.0	ppbv		49.7	9.4	ug/m3
100-41-4	106.2	Ethylbenzene	ND	5.0	ppbv		ND	22	ug/m3
141-78-6	88	Ethyl Acetate	ND	5.0	ppbv		ND	18	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	5.0	ppbv		ND	25	ug/m3
76-13-1	187.4	Freon 113	ND	5.0	ppbv		ND	38	ug/m3
76-14-2	170.9	Freon 114	ND	5.0	ppbv		ND	35	ug/m3
142-82-5	100.2	Heptane	ND	5.0	ppbv		ND	20	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	5.0	ppbv		ND	53	ug/m3
110-54-3	86.17	Hexane	ND	5.0	ppbv		ND	18	ug/m3
591-78-6	100	2-Hexanone	ND	5.0	ppbv		ND	20	ug/m3
67-63-0	60	Isopropyl Alcohol	ND	5.0	ppbv		ND	12	ug/m3
75-09-2	84.94	Methylene chloride	ND	5.0	ppbv		ND	17	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	5.0	ppbv		ND	15	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	5.0	ppbv		ND	20	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	5.0	ppbv		ND	18	ug/m3
115-07-1	42	Propylene	ND	5.0	ppbv		ND	8.6	ug/m3
100-42-5	104.1	Styrene	ND	5.0	ppbv		ND	21	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	53.4	2.0	ppbv		291	11	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	2.0	ppbv		ND	14	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	2.0	ppbv		ND	11	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	5.0	ppbv		ND	37	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	5.0	ppbv		ND	25	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	5.0	ppbv		ND	25	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	5.0	ppbv		ND	23	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	5.0	ppbv		ND	15	ug/m3
127-18-4	165.8	Tetrachloroethylene	314 [a]	40	ppbv		2130 [a]	270	ug/m3
109-99-9	72	Tetrahydrofuran	ND	5.0	ppbv		ND	15	ug/m3
108-88-3	92.14	Toluene	ND	5.0	ppbv		ND	19	ug/m3
79-01-6	131.4	Trichloroethylene	658 [a]	40	ppbv		3540 [a]	210	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	5.0	ppbv		ND	28	ug/m3
75-01-4	62.5	Vinyl chloride	ND	2.0	ppbv		ND	5.1	ug/m3
108-05-4	86	Vinyl Acetate	ND	5.0	ppbv		ND	18	ug/m3
	106.2	m,p-Xylene	ND	5.0	ppbv		ND	22	ug/m3
95-47-6	106.2	o-Xylene	ND	5.0	ppbv		ND	22	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	5.0	ppbv		ND	22	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%	96%	50-129%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: SGP-11
Lab Sample ID: M83561-5
Matrix: AIR - Air Summa ID: M141,M206
Method: TO-15
Project: 42-14 19th Avenue, Astoria NY

Date Sampled: 06/10/09
Date Received: 06/12/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q11389.D	10	06/17/09	DFT	n/a	n/a	MSQ512
Run #2	Q11396.D	500	06/17/09	DFT	n/a	n/a	MSQ512

	Initial Volume
Run #1	400 ml
Run #2	400 ml

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	ND	5.0	ppbv		ND	12	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	5.0	ppbv		ND	11	ug/m3
71-43-2	78.11	Benzene	ND	5.0	ppbv		ND	16	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	5.0	ppbv		ND	33	ug/m3
75-25-2	252.8	Bromoform	ND	5.0	ppbv		ND	52	ug/m3
74-83-9	94.94	Bromomethane	ND	5.0	ppbv		ND	19	ug/m3
593-60-2	106.9	Bromoethene	ND	5.0	ppbv		ND	22	ug/m3
100-44-7	126	Benzyl Chloride	ND	5.0	ppbv		ND	26	ug/m3
75-15-0	76.14	Carbon disulfide	ND	5.0	ppbv		ND	16	ug/m3
108-90-7	112.6	Chlorobenzene	ND	5.0	ppbv		ND	23	ug/m3
75-00-3	64.52	Chloroethane	11.0	2.0	ppbv		29.0	5.3	ug/m3
67-66-3	119.4	Chloroform	40.4	5.0	ppbv		197	24	ug/m3
74-87-3	50.49	Chloromethane	ND	5.0	ppbv		ND	10	ug/m3
107-05-1	76.53	3-Chloropropene	ND	5.0	ppbv		ND	16	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	5.0	ppbv		ND	26	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	2.0	ppbv		ND	13	ug/m3
110-82-7	84.16	Cyclohexane	27.5	5.0	ppbv		94.7	17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	426 [a]	100	ppbv		1720 [a]	400	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	32.0	2.0	ppbv		127	7.9	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	5.0	ppbv		ND	38	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	2.0	ppbv		ND	8.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	5.0	ppbv		ND	23	ug/m3
123-91-1	88	1,4-Dioxane	ND	5.0	ppbv		ND	18	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	5.0	ppbv		ND	25	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	5.0	ppbv		ND	43	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	11.6	2.0	ppbv		46.0	7.9	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	4140 [a]	100	ppbv		16400 [a]	400	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	5.0	ppbv		ND	23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	5.0	ppbv		ND	30	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	5.0	ppbv		ND	30	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	5.0	ppbv		ND	30	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	5.0	ppbv		ND	23	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SGP-11		
Lab Sample ID:	M83561-5	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M141,M206	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SGP-12
Lab Sample ID: M83561-6
Matrix: AIR - Air Summa ID: M181
Method: TO-15
Project: 42-14 19th Avenue, Astoria NY

Date Sampled: 06/10/09
Date Received: 06/12/09
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46	Ethanol	27.1	10	ppbv		51.0	19	ug/m3
100-41-4	106.2	Ethylbenzene	ND	10	ppbv		ND	43	ug/m3
141-78-6	88	Ethyl Acetate	ND	10	ppbv		ND	36	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	10	ppbv		ND	49	ug/m3
76-13-1	187.4	Freon 113	ND	10	ppbv		ND	77	ug/m3
76-14-2	170.9	Freon 114	ND	10	ppbv		ND	70	ug/m3
142-82-5	100.2	Heptane	ND	10	ppbv		ND	41	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	10	ppbv		ND	110	ug/m3
110-54-3	86.17	Hexane	ND	10	ppbv		ND	35	ug/m3
591-78-6	100	2-Hexanone	ND	10	ppbv		ND	41	ug/m3
67-63-0	60	Isopropyl Alcohol	ND	10	ppbv		ND	25	ug/m3
75-09-2	84.94	Methylene chloride	ND	10	ppbv		ND	35	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	10	ppbv		ND	29	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	10	ppbv		ND	41	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	10	ppbv		ND	36	ug/m3
115-07-1	42	Propylene	ND	10	ppbv		ND	17	ug/m3
100-42-5	104.1	Styrene	ND	10	ppbv		ND	43	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	16.4	4.0	ppbv		89.5	22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	4.0	ppbv		ND	27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	4.0	ppbv		ND	22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	10	ppbv		ND	74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	10	ppbv		ND	49	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	10	ppbv		ND	49	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	10	ppbv		ND	47	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	10	ppbv		ND	30	ug/m3
127-18-4	165.8	Tetrachloroethylene	249	4.0	ppbv		1690	27	ug/m3
109-99-9	72	Tetrahydrofuran	ND	10	ppbv		ND	29	ug/m3
108-88-3	92.14	Toluene	ND	10	ppbv		ND	38	ug/m3
79-01-6	131.4	Trichloroethylene	309	4.0	ppbv		1660	21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	10	ppbv		ND	56	ug/m3
75-01-4	62.5	Vinyl chloride	9.2	4.0	ppbv		24	10	ug/m3
108-05-4	86	Vinyl Acetate	ND	10	ppbv		ND	35	ug/m3
	106.2	m,p-Xylene	ND	10	ppbv		ND	43	ug/m3
95-47-6	106.2	o-Xylene	ND	10	ppbv		ND	43	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	10	ppbv		ND	43	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		50-129%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Parameter Certification Exceptions

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Acetone	67-64-1	TO-15	AIR	Certified by SOP MMS294/GC-MS
Bromodichloromethane	75-27-4	TO-15	AIR	Certified by SOP MMS294/GC-MS
Bromoethene	593-60-2	TO-15	AIR	Certified by SOP MMS294/GC-MS
2-Chlorotoluene	95-49-8	TO-15	AIR	Certified by SOP MMS294/GC-MS
Cyclohexane	110-82-7	TO-15	AIR	Certified by SOP MMS294/GC-MS
Dibromochloromethane	124-48-1	TO-15	AIR	Certified by SOP MMS294/GC-MS
Dichlorodifluoromethane	75-71-8	TO-15	AIR	Certified by SOP MMS294/GC-MS
4-Ethyltoluene	622-96-8	TO-15	AIR	Certified by SOP MMS294/GC-MS
Ethanol	64-17-5	TO-15	AIR	Certified by SOP MMS294/GC-MS
Ethyl Acetate	141-78-6	TO-15	AIR	Certified by SOP MMS294/GC-MS
Freon 113	76-13-1	TO-15	AIR	Certified by SOP MMS294/GC-MS
Freon 114	76-14-2	TO-15	AIR	Certified by SOP MMS294/GC-MS
2-Hexanone	591-78-6	TO-15	AIR	Certified by SOP MMS294/GC-MS
Heptane	142-82-5	TO-15	AIR	Certified by SOP MMS294/GC-MS
Isopropyl Alcohol	67-63-0	TO-15	AIR	Certified by SOP MMS294/GC-MS
Propylene	115-07-1	TO-15	AIR	Certified by SOP MMS294/GC-MS
1,2,4-Trimethylbenzene	95-63-6	TO-15	AIR	Certified by SOP MMS294/GC-MS
1,3,5-Trimethylbenzene	108-67-8	TO-15	AIR	Certified by SOP MMS294/GC-MS
Tertiary Butyl Alcohol	75-65-0	TO-15	AIR	Certified by SOP MMS294/GC-MS
Tetrahydrofuran	109-99-9	TO-15	AIR	Certified by SOP MMS294/GC-MS
Trichlorofluoromethane	75-69-4	TO-15	AIR	Certified by SOP MMS294/GC-MS
m,p-Xylene		TO-15	AIR	Certified by SOP MMS294/GC-MS
o-Xylene	95-47-6	TO-15	AIR	Certified by SOP MMS294/GC-MS

Summa Canister and Flow Controller Log

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY
Received: 06/12/09

SUMMA CANISTERS

Shipping							Receiving						
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
M199	1	29.4	06/04/09	DFT	CP773	Q11274.D	M83561-1	06/23/09	PB	2.2			1
M197	1	29.4	06/04/09	DFT	CP773	Q11274.D	M83561-2	06/23/09	PB	1.2			1
M194	1	29.4	06/04/09	DFT	CP773	Q11274.D	M83561-3	06/23/09	PB	1.2			1
M179	1	29.4	06/04/09	DFT	CP773	Q11274.D	M83561-4	06/23/09	PB	1.2			1
M206	1	29.4	06/04/09	DFT	CP771	Q11268A.D	M83561-5	06/23/09	PB	1			1
M181	1	29.4	06/04/09	DFT	CP773	Q11274.D	M83561-6	06/23/09	PB	2.4			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC013	06/04/09	DFT	200	.083	06/17/09	DFT	202
MC014	06/04/09	DFT	200	.083	06/17/09	DFT	205
MC029	06/04/09	DFT	200	.083	06/17/09	DFT	200
MC054	06/04/09	DFT	200	.083	06/17/09	DFT	203
MC061	06/04/09	DFT	200	.083	06/17/09	DFT	206
MC093	06/04/09	DFT	200	.083	06/17/09	DFT	204

Accutest Bottle Order(s):
DT/6-4-09/TRIUM/NEW YORK JOB

Prep Date	Room Temp(F)	Bar Pres "Hg
06/04/09	70	29.92

GC/MS Volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ512-MB	Q11378.D	1	06/17/09	DFT	n/a	n/a	MSQ512

The QC reported here applies to the following samples: **Method:** TO-15

M83561-1, M83561-2, M83561-3, M83561-4, M83561-5

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.50	ppbv		ND	3.8	ug/m3
76-14-2	Freon 114	ND	0.50	ppbv		ND	3.5	ug/m3
142-82-5	Heptane	ND	0.50	ppbv		ND	2.0	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.50	ppbv		ND	5.3	ug/m3
110-54-3	Hexane	ND	0.50	ppbv		ND	1.8	ug/m3
591-78-6	2-Hexanone	ND	0.50	ppbv		ND	2.0	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.50	ppbv		ND	1.2	ug/m3
75-09-2	Methylene chloride	ND	0.50	ppbv		ND	1.7	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.50	ppbv		ND	1.5	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.50	ppbv		ND	2.0	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ppbv		ND	1.8	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.50	ppbv		ND	2.1	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ppbv		ND	3.7	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.50	ppbv		ND	2.3	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.50	ppbv		ND	1.5	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
109-99-9	Tetrahydrofuran	ND	0.50	ppbv		ND	1.5	ug/m3
108-88-3	Toluene	ND	0.50	ppbv		ND	1.9	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.50	ppbv		ND	2.8	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
	m,p-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
95-47-6	o-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
1330-20-7	Xylenes (total)	ND	0.50	ppbv		ND	2.2	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	75%	50-129%

Method Blank Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ513-MB	Q11418.D	1	06/22/09	DFT	n/a	n/a	MSQ513

The QC reported here applies to the following samples: **Method:** TO-15

M83561-6

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.50	ppbv		ND	3.8	ug/m3
76-14-2	Freon 114	ND	0.50	ppbv		ND	3.5	ug/m3
142-82-5	Heptane	ND	0.50	ppbv		ND	2.0	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.50	ppbv		ND	5.3	ug/m3
110-54-3	Hexane	ND	0.50	ppbv		ND	1.8	ug/m3
591-78-6	2-Hexanone	ND	0.50	ppbv		ND	2.0	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.50	ppbv		ND	1.2	ug/m3
75-09-2	Methylene chloride	0.55	0.50	ppbv		1.9	1.7	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.50	ppbv		ND	1.5	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.50	ppbv		ND	2.0	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ppbv		ND	1.8	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.50	ppbv		ND	2.1	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ppbv		ND	3.7	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.50	ppbv		ND	2.3	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.50	ppbv		ND	1.5	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
109-99-9	Tetrahydrofuran	ND	0.50	ppbv		ND	1.5	ug/m3
108-88-3	Toluene	ND	0.50	ppbv		ND	1.9	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.50	ppbv		ND	2.8	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
	m,p-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
95-47-6	o-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
1330-20-7	Xylenes (total)	ND	0.50	ppbv		ND	2.2	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	94%	50-129%

Method Blank Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ505-MB	Q11268.D	1	06/02/09	DFT	n/a	n/a	MSQ505

The QC reported here applies to the following samples: **Method:** TO-15

MSQ505-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.50	ppbv		ND	3.8	ug/m3
76-14-2	Freon 114	ND	0.50	ppbv		ND	3.5	ug/m3
142-82-5	Heptane	ND	0.50	ppbv		ND	2.0	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.50	ppbv		ND	5.3	ug/m3
110-54-3	Hexane	ND	0.50	ppbv		ND	1.8	ug/m3
591-78-6	2-Hexanone	ND	0.50	ppbv		ND	2.0	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.50	ppbv		ND	1.2	ug/m3
75-09-2	Methylene chloride	ND	0.50	ppbv		ND	1.7	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.50	ppbv		ND	1.5	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.50	ppbv		ND	2.0	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ppbv		ND	1.8	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.50	ppbv		ND	2.1	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ppbv		ND	3.7	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.50	ppbv		ND	2.3	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.50	ppbv		ND	1.5	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
109-99-9	Tetrahydrofuran	ND	0.50	ppbv		ND	1.5	ug/m3
108-88-3	Toluene	ND	0.50	ppbv		ND	1.9	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.50	ppbv		ND	2.8	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
	m,p-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
95-47-6	o-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
1330-20-7	Xylenes (total)	ND	0.50	ppbv		ND	2.2	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	81%	50-129%

Method Blank Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ511-MB	Q11357.D	1	06/15/09	DFT	n/a	n/a	MSQ511

The QC reported here applies to the following samples: **Method:** TO-15

MSQ511-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	87%	50-129%

Blank Spike Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ512-BS	Q11377A.D	1	06/17/09	DFT	n/a	n/a	MSQ512

The QC reported here applies to the following samples: **Method:** TO-15

M83561-1, M83561-2, M83561-3, M83561-4, M83561-5

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
76-13-1	Freon 113	10	8.3	83	70-130
76-14-2	Freon 114	10	8.7	87	70-130
142-82-5	Heptane	10	9.6	96	70-130
87-68-3	Hexachlorobutadiene	10	11.7	117	70-130
110-54-3	Hexane	10	8.5	85	70-130
591-78-6	2-Hexanone	10	10.3	103	70-130
67-63-0	Isopropyl Alcohol	10	8.9	89	70-130
75-09-2	Methylene chloride	10	8.3	83	70-130
78-93-3	Methyl ethyl ketone	10	8.5	85	70-130
108-10-1	Methyl Isobutyl Ketone	10	9.8	98	70-130
1634-04-4	Methyl Tert Butyl Ether	10	8.9	89	70-130
115-07-1	Propylene	10	8.0	80	70-130
100-42-5	Styrene	10	11.0	110	70-130
71-55-6	1,1,1-Trichloroethane	10	8.4	84	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	11.3	113	70-130
79-00-5	1,1,2-Trichloroethane	10	11.0	110	70-130
120-82-1	1,2,4-Trichlorobenzene	10	8.0	80	70-130
95-63-6	1,2,4-Trimethylbenzene	10	11.5	115	70-130
108-67-8	1,3,5-Trimethylbenzene	10	11.8	118	70-130
540-84-1	2,2,4-Trimethylpentane	10	10	100	70-130
75-65-0	Tertiary Butyl Alcohol	10	8.4	84	70-130
127-18-4	Tetrachloroethylene	10	9.5	95	70-130
109-99-9	Tetrahydrofuran	10	9.2	92	70-130
108-88-3	Toluene	10	11.7	117	70-130
79-01-6	Trichloroethylene	10	9.5	95	70-130
75-69-4	Trichlorofluoromethane	10	7.9	79	70-130
75-01-4	Vinyl chloride	10	9.1	91	70-130
108-05-4	Vinyl Acetate	10	10.9	109	70-130
	m,p-Xylene	20	22.7	114	70-130
95-47-6	o-Xylene	10	11.4	114	70-130
1330-20-7	Xylenes (total)	30	34.0	113	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	97%	50-129%

Blank Spike Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ513-BS	Q11417B.D	1	06/22/09	DFT	n/a	n/a	MSQ513

The QC reported here applies to the following samples: **Method:** TO-15

M83561-6

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
76-13-1	Freon 113	10	10.0	100	70-130
76-14-2	Freon 114	10	9.1	91	70-130
142-82-5	Heptane	10	8.9	89	70-130
87-68-3	Hexachlorobutadiene	10	15.1	151* [a]	70-130
110-54-3	Hexane	10	8.4	84	70-130
591-78-6	2-Hexanone	10	9.7	97	70-130
67-63-0	Isopropyl Alcohol	10	9.5	95	70-130
75-09-2	Methylene chloride	10	8.7	87	70-130
78-93-3	Methyl ethyl ketone	10	9.2	92	70-130
108-10-1	Methyl Isobutyl Ketone	10	9.5	95	70-130
1634-04-4	Methyl Tert Butyl Ether	10	10.9	109	70-130
115-07-1	Propylene	10	7.2	72	70-130
100-42-5	Styrene	10	10.3	103	70-130
71-55-6	1,1,1-Trichloroethane	10	10.3	103	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	12.1	121	70-130
79-00-5	1,1,2-Trichloroethane	10	10.8	108	70-130
120-82-1	1,2,4-Trichlorobenzene	10	7.4	74	70-130
95-63-6	1,2,4-Trimethylbenzene	10	11.5	115	70-130
108-67-8	1,3,5-Trimethylbenzene	10	11.2	112	70-130
540-84-1	2,2,4-Trimethylpentane	10	9.3	93	70-130
75-65-0	Tertiary Butyl Alcohol	10	9.9	99	70-130
127-18-4	Tetrachloroethylene	10	10.0	100	70-130
109-99-9	Tetrahydrofuran	10	9.8	98	70-130
108-88-3	Toluene	10	10.6	106	70-130
79-01-6	Trichloroethylene	10	9.6	96	70-130
75-69-4	Trichlorofluoromethane	10	9.8	98	70-130
75-01-4	Vinyl chloride	10	8.3	83	70-130
108-05-4	Vinyl Acetate	10	11.7	117	70-130
	m,p-Xylene	20	22.1	111	70-130
95-47-6	o-Xylene	10	11.9	119	70-130
1330-20-7	Xylenes (total)	30	34.0	113	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	117%	50-129%

Blank Spike Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ505-BS	Q11267B.D	1	06/01/09	DFT	n/a	n/a	MSQ505

The QC reported here applies to the following samples: **Method:** TO-15

MSQ505-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
67-64-1	Acetone	10	8.5	85	70-130
106-99-0	1,3-Butadiene	10	10.6	106	70-130
71-43-2	Benzene	10	11.4	114	70-130
75-27-4	Bromodichloromethane	10	10	100	70-130
75-25-2	Bromoform	10	9.0	90	70-130
74-83-9	Bromomethane	10	10.6	106	70-130
593-60-2	Bromoethene	10	10.7	107	70-130
100-44-7	Benzyl Chloride	10	7.9	79	70-130
75-15-0	Carbon disulfide	10	10.1	101	70-130
108-90-7	Chlorobenzene	10	11.4	114	70-130
75-00-3	Chloroethane	10	10.8	108	70-130
67-66-3	Chloroform	10	10.6	106	70-130
74-87-3	Chloromethane	10	10.8	108	70-130
107-05-1	3-Chloropropene	10	10.1	101	70-130
95-49-8	2-Chlorotoluene	10	8.8	88	70-130
56-23-5	Carbon tetrachloride	10	10.1	101	70-130
110-82-7	Cyclohexane	10	10.5	105	70-130
75-34-3	1,1-Dichloroethane	10	10.6	106	70-130
75-35-4	1,1-Dichloroethylene	10	10.6	106	70-130
106-93-4	1,2-Dibromoethane	10	9.5	95	70-130
107-06-2	1,2-Dichloroethane	10	10.6	106	70-130
78-87-5	1,2-Dichloropropane	10	10.8	108	70-130
123-91-1	1,4-Dioxane	10	8.4	84	70-130
75-71-8	Dichlorodifluoromethane	10	10.2	102	70-130
124-48-1	Dibromochloromethane	10	10.8	108	70-130
156-60-5	trans-1,2-Dichloroethylene	10	11.0	110	70-130
156-59-2	cis-1,2-Dichloroethylene	10	11.4	114	70-130
10061-01-5	cis-1,3-Dichloropropene	10	8.9	89	70-130
541-73-1	m-Dichlorobenzene	10	8.5	85	70-130
95-50-1	o-Dichlorobenzene	10	9.0	90	70-130
106-46-7	p-Dichlorobenzene	10	9.1	91	70-130
10061-02-6	trans-1,3-Dichloropropene	10	8.8	88	70-130
64-17-5	Ethanol	10	10.5	105	70-130
100-41-4	Ethylbenzene	10	9.6	96	70-130
141-78-6	Ethyl Acetate	10	10.6	106	70-130
622-96-8	4-Ethyltoluene	10	8.8	88	70-130

Blank Spike Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ507-BS	Q11295A.D	1	06/04/09	DFT	n/a	n/a	MSQ507

The QC reported here applies to the following samples: **Method:** TO-15

MSQ507-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-34-3	1,1-Dichloroethane	10	10.9	109	70-130
156-59-2	cis-1,2-Dichloroethylene	10	12.1	121	70-130
71-55-6	1,1,1-Trichloroethane	10	11.4	114	70-130
127-18-4	Tetrachloroethylene	10	10.7	107	70-130
79-01-6	Trichloroethylene	10	10.4	104	70-130
75-01-4	Vinyl chloride	10	11.0	110	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	101%	50-129%

Duplicate Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83561-4DUP	Q11388.D	10	06/17/09	DFT	n/a	n/a	MSQ512
M83561-4	Q11391.D	10	06/17/09	DFT	n/a	n/a	MSQ512
M83561-4	Q11395.D	200	06/17/09	DFT	n/a	n/a	MSQ512

The QC reported here applies to the following samples: **Method:** TO-15

M83561-1, M83561-2, M83561-3, M83561-4, M83561-5

CAS No.	Compound	M83561-4 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone	28.8		31.3		8	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	ND		ND		nc	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	20
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	68.3		83.7		20	25
74-87-3	Chloromethane	ND		ND		nc	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	180		214		17	25
75-35-4	1,1-Dichloroethylene	1.7		2.2		26* [a]	25
106-93-4	1,2-Dibromoethane	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		1.5	J	200* [b]	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	ND		ND		nc	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	26.9		34.2		24	25
156-59-2	cis-1,2-Dichloroethylene	2470 [c]		6430	E	24	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	26.4		32.2		20	25
100-41-4	Ethylbenzene	ND		ND		nc	25
141-78-6	Ethyl Acetate	ND		ND		nc	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25

APPENDIX B

New England ACCUTEST Laboratories

IT'S ALL IN THE CHEMISTRY

07/01/09

Technical Report for

Triumvirate Environmental

42-14 19th Avenue, Astoria NY

#750

Accutest Job Number: M83561

Sampling Date: 06/10/09

Report to:

Triumvirate Environmental

csasse@triumvirate.com

ATTN: Craig Sasse

Total number of pages in report: **814**

ACCUTEST LABORATORIES 50 YEARS 1956-2006

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Reza Tand
Lab Director

Client Service contact: Kristen Blanchard 508-481-6200

Certifications: MA (M-MA136) CT (PH-0109) NH (2502) RI (00071) ME (MA0136) FL (E87579) NY (11791) NJ (MA926) PA (68-01121) NC (653) IL (200018) NAVY USACE

Test results relate only to samples analyzed.

Sections: 1 2 3 4 5 6

Table of Contents

Sample Summary

Triumvirate Environmental

Job No: M83561

42-14 19th Avenue, Astoria NY
Project No: #750

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
M83561-1	06/10/09	15:04	JFB	06/12/09	AIR	Air	SGP-2
M83561-2	06/10/09	15:29	JFB	06/12/09	AIR	Air	SGP-4
M83561-3	06/10/09	15:16	JFB	06/12/09	AIR	Air	SGP-6
M83561-4	06/10/09	15:44	JFB	06/12/09	AIR	Air	SGP-9
M83561-5	06/10/09	16:01	JFB	06/12/09	AIR	Air	SGP-11
M83561-6	06/10/09	16:16	JFB	06/12/09	AIR	Air	SGP-12

ACCUTEST Laboratories

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Triumvirate Environmental	**Job No**	M83561
Site:	42-14 19th Avenue, Astoria NY	**Report Date**	6/24/2009 9:20:23 AM

6 Sample(s) were collected on 06/10/2009 and were received at Accutest on 06/12/2009 and intact. These Samples received an Accutest job number of M83561. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method TO-15

Matrix AIR **Batch ID:** MSQ512

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M83561-4DUP were used as the QC samples indicated.
- RPD(s) for Duplicate for 1,1-Dichloroethylene, Vinyl chloride are outside control limits for sample M83561-4DUP. High RPD due to possible matrix interference and/or sample non-homogeneity.
- RPD for M83561-4DUP for 1,2-Dichloroethane, Freon 113: High RPD due to sample levels below reporting limit.
- RPD for M83561-4DUP for Trichloroethylene: High RPD due to sample levels above calibration range.
- Continuing calibration chcek standard MSQ511-CC511 for Hexachlorobutadiene exceed 30% Difference (response bias high). Associated samples are non-detect for this compound. This calibration check standard is in the batch for summa cleaning certification.

Matrix AIR **Batch ID:** MSQ513

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) M83561-6DUP were used as the QC samples indicated.
- Continuing calibration check standard for Hexachlorobutadiene MSQ513-CC513 exceed 30% Difference (response bias high). Associated samples are non-detect for this compound.
- RPD(s) for Duplicate for Acetone are outside control limits for sample M83561-6DUP. High RPD due to possible matrix interference and/or sample non-homogeneity.
- MSQ513-BS for Hexachlorobutadiene: Outside control limits. Associated samples are non-detect for this compound.

The Accutest Laboratories of New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Accutest Laboratories of NE, Laboratory Director or assignee as verified by the signature on the cover page has authorized the release of this report(M83561).

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID: SGP-2
Lab Sample ID: M83561-1
Matrix: AIR - Air Summa ID: M187,M199
Method: TO-15
Project: 42-14 19th Avenue, Astoria NY

Date Sampled: 06/10/09
Date Received: 06/12/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q11385.D	10	06/17/09	DFT	n/a	n/a	MSQ512
Run #2	Q11393.D	200	06/17/09	DFT	n/a	n/a	MSQ512

	Initial Volume
Run #1	400 ml
Run #2	400 ml

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	11.9	5.0	ppbv		28.3	12	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	5.0	ppbv		ND	11	ug/m3
71-43-2	78.11	Benzene	ND	5.0	ppbv		ND	16	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	5.0	ppbv		ND	33	ug/m3
75-25-2	252.8	Bromoform	ND	5.0	ppbv		ND	52	ug/m3
74-83-9	94.94	Bromomethane	ND	5.0	ppbv		ND	19	ug/m3
593-60-2	106.9	Bromoethene	ND	5.0	ppbv		ND	22	ug/m3
100-44-7	126	Benzyl Chloride	ND	5.0	ppbv		ND	26	ug/m3
75-15-0	76.14	Carbon disulfide	ND	5.0	ppbv		ND	16	ug/m3
108-90-7	112.6	Chlorobenzene	ND	5.0	ppbv		ND	23	ug/m3
75-00-3	64.52	Chloroethane	ND	2.0	ppbv		ND	5.3	ug/m3
67-66-3	119.4	Chloroform	183	5.0	ppbv		894	24	ug/m3
74-87-3	50.49	Chloromethane	ND	5.0	ppbv		ND	10	ug/m3
107-05-1	76.53	3-Chloropropene	ND	5.0	ppbv		ND	16	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	5.0	ppbv		ND	26	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	2.0	ppbv		ND	13	ug/m3
110-82-7	84.16	Cyclohexane	ND	5.0	ppbv		ND	17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	356	2.0	ppbv		1440	8.1	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	2.0	ppbv		ND	7.9	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	5.0	ppbv		ND	38	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	2.0	ppbv		ND	8.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	5.0	ppbv		ND	23	ug/m3
123-91-1	88	1,4-Dioxane	ND	5.0	ppbv		ND	18	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	5.0	ppbv		ND	25	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	5.0	ppbv		ND	43	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	35.5	2.0	ppbv		141	7.9	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	2790 [a]	40	ppbv		11100 [a]	160	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	5.0	ppbv		ND	23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	5.0	ppbv		ND	30	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	5.0	ppbv		ND	30	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	5.0	ppbv		ND	30	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	5.0	ppbv		ND	23	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SGP-2		
Lab Sample ID:	M83561-1	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M187,M199	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46	Ethanol	13.6	5.0	ppbv		25.6	9.4	ug/m3
100-41-4	106.2	Ethylbenzene	ND	5.0	ppbv		ND	22	ug/m3
141-78-6	88	Ethyl Acetate	ND	5.0	ppbv		ND	18	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	5.0	ppbv		ND	25	ug/m3
76-13-1	187.4	Freon 113	ND	5.0	ppbv		ND	38	ug/m3
76-14-2	170.9	Freon 114	ND	5.0	ppbv		ND	35	ug/m3
142-82-5	100.2	Heptane	ND	5.0	ppbv		ND	20	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	5.0	ppbv		ND	53	ug/m3
110-54-3	86.17	Hexane	ND	5.0	ppbv		ND	18	ug/m3
591-78-6	100	2-Hexanone	ND	5.0	ppbv		ND	20	ug/m3
67-63-0	60	Isopropyl Alcohol	ND	5.0	ppbv		ND	12	ug/m3
75-09-2	84.94	Methylene chloride	ND	5.0	ppbv		ND	17	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	5.0	ppbv		ND	15	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	5.0	ppbv		ND	20	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	5.0	ppbv		ND	18	ug/m3
115-07-1	42	Propylene	ND	5.0	ppbv		ND	8.6	ug/m3
100-42-5	104.1	Styrene	ND	5.0	ppbv		ND	21	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	241	2.0	ppbv		1310	11	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	2.0	ppbv		ND	14	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	2.0	ppbv		ND	11	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	5.0	ppbv		ND	37	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	5.0	ppbv		ND	25	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	5.0	ppbv		ND	25	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	5.0	ppbv		ND	23	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	5.0	ppbv		ND	15	ug/m3
127-18-4	165.8	Tetrachloroethylene	1260 [a]	40	ppbv		8540 [a]	270	ug/m3
109-99-9	72	Tetrahydrofuran	ND	5.0	ppbv		ND	15	ug/m3
108-88-3	92.14	Toluene	ND	5.0	ppbv		ND	19	ug/m3
79-01-6	131.4	Trichloroethylene	2510 [a]	40	ppbv		13500 [a]	210	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	5.0	ppbv		ND	28	ug/m3
75-01-4	62.5	Vinyl chloride	ND	2.0	ppbv		ND	5.1	ug/m3
108-05-4	86	Vinyl Acetate	ND	5.0	ppbv		ND	18	ug/m3
	106.2	m,p-Xylene	ND	5.0	ppbv		ND	22	ug/m3
95-47-6	106.2	o-Xylene	ND	5.0	ppbv		ND	22	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	5.0	ppbv		ND	22	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%	91%	50-129%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SGP-2		
Lab Sample ID:	M83561-1	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M187,M199	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SGP-4		
Lab Sample ID:	M83561-2	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M183,M197	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q11386.D	10	06/17/09	DFT	n/a	n/a	MSQ512
Run #2	Q11394.D	200	06/17/09	DFT	n/a	n/a	MSQ512

	Initial Volume
Run #1	400 ml
Run #2	400 ml

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	21.2	5.0	ppbv		50.4	12	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	5.0	ppbv		ND	11	ug/m3
71-43-2	78.11	Benzene	ND	5.0	ppbv		ND	16	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	5.0	ppbv		ND	33	ug/m3
75-25-2	252.8	Bromoform	ND	5.0	ppbv		ND	52	ug/m3
74-83-9	94.94	Bromomethane	ND	5.0	ppbv		ND	19	ug/m3
593-60-2	106.9	Bromoethene	ND	5.0	ppbv		ND	22	ug/m3
100-44-7	126	Benzyl Chloride	ND	5.0	ppbv		ND	26	ug/m3
75-15-0	76.14	Carbon disulfide	ND	5.0	ppbv		ND	16	ug/m3
108-90-7	112.6	Chlorobenzene	ND	5.0	ppbv		ND	23	ug/m3
75-00-3	64.52	Chloroethane	ND	2.0	ppbv		ND	5.3	ug/m3
67-66-3	119.4	Chloroform	85.9	5.0	ppbv		419	24	ug/m3
74-87-3	50.49	Chloromethane	ND	5.0	ppbv		ND	10	ug/m3
107-05-1	76.53	3-Chloropropene	ND	5.0	ppbv		ND	16	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	5.0	ppbv		ND	26	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	2.0	ppbv		ND	13	ug/m3
110-82-7	84.16	Cyclohexane	ND	5.0	ppbv		ND	17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	32.7	2.0	ppbv		132	8.1	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	2.0	ppbv		ND	7.9	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	5.0	ppbv		ND	38	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	2.0	ppbv		ND	8.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	5.0	ppbv		ND	23	ug/m3
123-91-1	88	1,4-Dioxane	ND	5.0	ppbv		ND	18	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	5.0	ppbv		ND	25	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	5.0	ppbv		ND	43	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	15.6	2.0	ppbv		61.9	7.9	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	621 [a]	40	ppbv		2460 [a]	160	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	5.0	ppbv		ND	23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	5.0	ppbv		ND	30	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	5.0	ppbv		ND	30	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	5.0	ppbv		ND	30	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	5.0	ppbv		ND	23	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SGP-4		
Lab Sample ID:	M83561-2	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M183,M197	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46	Ethanol	22.5	5.0	ppbv		42.3	9.4	ug/m3
100-41-4	106.2	Ethylbenzene	ND	5.0	ppbv		ND	22	ug/m3
141-78-6	88	Ethyl Acetate	ND	5.0	ppbv		ND	18	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	5.0	ppbv		ND	25	ug/m3
76-13-1	187.4	Freon 113	ND	5.0	ppbv		ND	38	ug/m3
76-14-2	170.9	Freon 114	ND	5.0	ppbv		ND	35	ug/m3
142-82-5	100.2	Heptane	ND	5.0	ppbv		ND	20	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	5.0	ppbv		ND	53	ug/m3
110-54-3	86.17	Hexane	ND	5.0	ppbv		ND	18	ug/m3
591-78-6	100	2-Hexanone	ND	5.0	ppbv		ND	20	ug/m3
67-63-0	60	Isopropyl Alcohol	ND	5.0	ppbv		ND	12	ug/m3
75-09-2	84.94	Methylene chloride	ND	5.0	ppbv		ND	17	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	5.0	ppbv		ND	15	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	5.0	ppbv		ND	20	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	5.0	ppbv		ND	18	ug/m3
115-07-1	42	Propylene	ND	5.0	ppbv		ND	8.6	ug/m3
100-42-5	104.1	Styrene	ND	5.0	ppbv		ND	21	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	37.8	2.0	ppbv		206	11	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	2.0	ppbv		ND	14	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	2.0	ppbv		ND	11	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	5.0	ppbv		ND	37	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	5.0	ppbv		ND	25	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	5.0	ppbv		ND	25	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	5.0	ppbv		ND	23	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	5.0	ppbv		ND	15	ug/m3
127-18-4	165.8	Tetrachloroethylene	181	2.0	ppbv		1230	14	ug/m3
109-99-9	72	Tetrahydrofuran	ND	5.0	ppbv		ND	15	ug/m3
108-88-3	92.14	Toluene	ND	5.0	ppbv		ND	19	ug/m3
79-01-6	131.4	Trichloroethylene	312 [a]	40	ppbv		1680 [a]	210	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	5.0	ppbv		ND	28	ug/m3
75-01-4	62.5	Vinyl chloride	ND	2.0	ppbv		ND	5.1	ug/m3
108-05-4	86	Vinyl Acetate	ND	5.0	ppbv		ND	18	ug/m3
	106.2	m,p-Xylene	ND	5.0	ppbv		ND	22	ug/m3
95-47-6	106.2	o-Xylene	ND	5.0	ppbv		ND	22	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	5.0	ppbv		ND	22	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	96%	93%	50-129%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SGP-4		
Lab Sample ID:	M83561-2	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M183,M197	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SGP-6		
Lab Sample ID:	M83561-3	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M194	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q11392.D	2	06/17/09	DFT	n/a	n/a	MSQ512
Run #2	Q11387.D	10	06/17/09	DFT	n/a	n/a	MSQ512

	Initial Volume
Run #1	400 ml
Run #2	400 ml

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	26.4	1.0	ppbv		62.7	2.4	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	1.0	ppbv		ND	2.2	ug/m3
71-43-2	78.11	Benzene	ND	1.0	ppbv		ND	3.2	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	1.0	ppbv		ND	6.7	ug/m3
75-25-2	252.8	Bromoform	ND	1.0	ppbv		ND	10	ug/m3
74-83-9	94.94	Bromomethane	ND	1.0	ppbv		ND	3.9	ug/m3
593-60-2	106.9	Bromoethene	ND	1.0	ppbv		ND	4.4	ug/m3
100-44-7	126	Benzyl Chloride	ND	1.0	ppbv		ND	5.2	ug/m3
75-15-0	76.14	Carbon disulfide	ND	1.0	ppbv		ND	3.1	ug/m3
108-90-7	112.6	Chlorobenzene	ND	1.0	ppbv		ND	4.6	ug/m3
75-00-3	64.52	Chloroethane	ND	0.40	ppbv		ND	1.1	ug/m3
67-66-3	119.4	Chloroform	21.6	1.0	ppbv		105	4.9	ug/m3
74-87-3	50.49	Chloromethane	ND	1.0	ppbv		ND	2.1	ug/m3
107-05-1	76.53	3-Chloropropene	ND	1.0	ppbv		ND	3.1	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	1.0	ppbv		ND	5.2	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.40	ppbv		ND	2.5	ug/m3
110-82-7	84.16	Cyclohexane	ND	1.0	ppbv		ND	3.4	ug/m3
75-34-3	98.96	1,1-Dichloroethane	9.9	0.40	ppbv		40	1.6	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.40	ppbv		ND	1.6	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	1.0	ppbv		ND	7.7	ug/m3
107-06-2	98.96	1,2-Dichloroethane	0.43	0.40	ppbv		1.7	1.6	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	1.0	ppbv		ND	4.6	ug/m3
123-91-1	88	1,4-Dioxane	ND	1.0	ppbv		ND	3.6	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	1.0	ppbv		ND	4.9	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	1.0	ppbv		ND	8.5	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	0.49	0.40	ppbv		1.9	1.6	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	74.2 [a]	2.0	ppbv		294 [a]	7.9	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	1.0	ppbv		ND	4.5	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	1.0	ppbv		ND	6.0	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	1.0	ppbv		ND	6.0	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	1.0	ppbv		ND	6.0	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	1.0	ppbv		ND	4.5	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SGP-6		
Lab Sample ID:	M83561-3	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M194	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46	Ethanol	31.6	1.0	ppbv		59.5	1.9	ug/m3
100-41-4	106.2	Ethylbenzene	1.1	1.0	ppbv		4.8	4.3	ug/m3
141-78-6	88	Ethyl Acetate	ND	1.0	ppbv		ND	3.6	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	1.0	ppbv		ND	4.9	ug/m3
76-13-1	187.4	Freon 113	1.4	1.0	ppbv		11	7.7	ug/m3
76-14-2	170.9	Freon 114	ND	1.0	ppbv		ND	7.0	ug/m3
142-82-5	100.2	Heptane	ND	1.0	ppbv		ND	4.1	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	1.0	ppbv		ND	11	ug/m3
110-54-3	86.17	Hexane	ND	1.0	ppbv		ND	3.5	ug/m3
591-78-6	100	2-Hexanone	ND	1.0	ppbv		ND	4.1	ug/m3
67-63-0	60	Isopropyl Alcohol	6.8	1.0	ppbv		17	2.5	ug/m3
75-09-2	84.94	Methylene chloride	1.6	1.0	ppbv		5.6	3.5	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.9	1.0	ppbv		5.6	2.9	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	1.0	ppbv		ND	4.1	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	1.0	ppbv		ND	3.6	ug/m3
115-07-1	42	Propylene	ND	1.0	ppbv		ND	1.7	ug/m3
100-42-5	104.1	Styrene	ND	1.0	ppbv		ND	4.3	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	12.7	0.40	ppbv		69.3	2.2	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.40	ppbv		ND	2.7	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.40	ppbv		ND	2.2	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	1.0	ppbv		ND	7.4	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	1.0	ppbv		ND	4.9	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	1.0	ppbv		ND	4.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	1.0	ppbv		ND	4.7	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	4.1	1.0	ppbv		12	3.0	ug/m3
127-18-4	165.8	Tetrachloroethylene	15.2	0.40	ppbv		103	2.7	ug/m3
109-99-9	72	Tetrahydrofuran	ND	1.0	ppbv		ND	2.9	ug/m3
108-88-3	92.14	Toluene	4.6	1.0	ppbv		17	3.8	ug/m3
79-01-6	131.4	Trichloroethylene	77.2 [a]	2.0	ppbv		415 [a]	11	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	1.0	ppbv		ND	5.6	ug/m3
75-01-4	62.5	Vinyl chloride	0.50	0.40	ppbv		1.3	1.0	ug/m3
108-05-4	86	Vinyl Acetate	ND	1.0	ppbv		ND	3.5	ug/m3
	106.2	m,p-Xylene	4.0	1.0	ppbv		17	4.3	ug/m3
95-47-6	106.2	o-Xylene	ND	1.0	ppbv		ND	4.3	ug/m3
1330-20-7	106.2	Xylenes (total)	5.0	1.0	ppbv		22	4.3	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	101%	96%	50-129%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SGP-6		
Lab Sample ID:	M83561-3	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M194	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID:	SGP-9		
Lab Sample ID:	M83561-4	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M104,M179	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q11391.D	10	06/17/09	DFT	n/a	n/a	MSQ512
Run #2	Q11395.D	200	06/17/09	DFT	n/a	n/a	MSQ512

	Initial Volume
Run #1	400 ml
Run #2	400 ml

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	28.8	5.0	ppbv		68.4	12	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	5.0	ppbv		ND	11	ug/m3
71-43-2	78.11	Benzene	ND	5.0	ppbv		ND	16	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	5.0	ppbv		ND	33	ug/m3
75-25-2	252.8	Bromoform	ND	5.0	ppbv		ND	52	ug/m3
74-83-9	94.94	Bromomethane	ND	5.0	ppbv		ND	19	ug/m3
593-60-2	106.9	Bromoethene	ND	5.0	ppbv		ND	22	ug/m3
100-44-7	126	Benzyl Chloride	ND	5.0	ppbv		ND	26	ug/m3
75-15-0	76.14	Carbon disulfide	ND	5.0	ppbv		ND	16	ug/m3
108-90-7	112.6	Chlorobenzene	ND	5.0	ppbv		ND	23	ug/m3
75-00-3	64.52	Chloroethane	ND	2.0	ppbv		ND	5.3	ug/m3
67-66-3	119.4	Chloroform	68.3	5.0	ppbv		334	24	ug/m3
74-87-3	50.49	Chloromethane	ND	5.0	ppbv		ND	10	ug/m3
107-05-1	76.53	3-Chloropropene	ND	5.0	ppbv		ND	16	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	5.0	ppbv		ND	26	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	2.0	ppbv		ND	13	ug/m3
110-82-7	84.16	Cyclohexane	ND	5.0	ppbv		ND	17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	180	2.0	ppbv		729	8.1	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	2.0	ppbv		ND	7.9	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	5.0	ppbv		ND	38	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	2.0	ppbv		ND	8.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	5.0	ppbv		ND	23	ug/m3
123-91-1	88	1,4-Dioxane	ND	5.0	ppbv		ND	18	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	5.0	ppbv		ND	25	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	5.0	ppbv		ND	43	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	26.9	2.0	ppbv		107	7.9	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	2470 [a]	40	ppbv		9790 [a]	160	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	5.0	ppbv		ND	23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	5.0	ppbv		ND	30	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	5.0	ppbv		ND	30	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	5.0	ppbv		ND	30	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	5.0	ppbv		ND	23	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SGP-9		
Lab Sample ID:	M83561-4	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M104,M179	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46	Ethanol	26.4	5.0	ppbv		49.7	9.4	ug/m3
100-41-4	106.2	Ethylbenzene	ND	5.0	ppbv		ND	22	ug/m3
141-78-6	88	Ethyl Acetate	ND	5.0	ppbv		ND	18	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	5.0	ppbv		ND	25	ug/m3
76-13-1	187.4	Freon 113	ND	5.0	ppbv		ND	38	ug/m3
76-14-2	170.9	Freon 114	ND	5.0	ppbv		ND	35	ug/m3
142-82-5	100.2	Heptane	ND	5.0	ppbv		ND	20	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	5.0	ppbv		ND	53	ug/m3
110-54-3	86.17	Hexane	ND	5.0	ppbv		ND	18	ug/m3
591-78-6	100	2-Hexanone	ND	5.0	ppbv		ND	20	ug/m3
67-63-0	60	Isopropyl Alcohol	ND	5.0	ppbv		ND	12	ug/m3
75-09-2	84.94	Methylene chloride	ND	5.0	ppbv		ND	17	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	5.0	ppbv		ND	15	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	5.0	ppbv		ND	20	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	5.0	ppbv		ND	18	ug/m3
115-07-1	42	Propylene	ND	5.0	ppbv		ND	8.6	ug/m3
100-42-5	104.1	Styrene	ND	5.0	ppbv		ND	21	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	53.4	2.0	ppbv		291	11	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	2.0	ppbv		ND	14	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	2.0	ppbv		ND	11	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	5.0	ppbv		ND	37	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	5.0	ppbv		ND	25	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	5.0	ppbv		ND	25	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	5.0	ppbv		ND	23	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	5.0	ppbv		ND	15	ug/m3
127-18-4	165.8	Tetrachloroethylene	314 [a]	40	ppbv		2130 [a]	270	ug/m3
109-99-9	72	Tetrahydrofuran	ND	5.0	ppbv		ND	15	ug/m3
108-88-3	92.14	Toluene	ND	5.0	ppbv		ND	19	ug/m3
79-01-6	131.4	Trichloroethylene	658 [a]	40	ppbv		3540 [a]	210	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	5.0	ppbv		ND	28	ug/m3
75-01-4	62.5	Vinyl chloride	ND	2.0	ppbv		ND	5.1	ug/m3
108-05-4	86	Vinyl Acetate	ND	5.0	ppbv		ND	18	ug/m3
	106.2	m,p-Xylene	ND	5.0	ppbv		ND	22	ug/m3
95-47-6	106.2	o-Xylene	ND	5.0	ppbv		ND	22	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	5.0	ppbv		ND	22	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%	96%	50-129%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SGP-9		
Lab Sample ID:	M83561-4	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M104,M179	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: SGP-11
Lab Sample ID: M83561-5
Matrix: AIR - Air Summa ID: M141,M206
Method: TO-15
Project: 42-14 19th Avenue, Astoria NY

Date Sampled: 06/10/09
Date Received: 06/12/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q11389.D	10	06/17/09	DFT	n/a	n/a	MSQ512
Run #2	Q11396.D	500	06/17/09	DFT	n/a	n/a	MSQ512

	Initial Volume
Run #1	400 ml
Run #2	400 ml

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	ND	5.0	ppbv		ND	12	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	5.0	ppbv		ND	11	ug/m3
71-43-2	78.11	Benzene	ND	5.0	ppbv		ND	16	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	5.0	ppbv		ND	33	ug/m3
75-25-2	252.8	Bromoform	ND	5.0	ppbv		ND	52	ug/m3
74-83-9	94.94	Bromomethane	ND	5.0	ppbv		ND	19	ug/m3
593-60-2	106.9	Bromoethene	ND	5.0	ppbv		ND	22	ug/m3
100-44-7	126	Benzyl Chloride	ND	5.0	ppbv		ND	26	ug/m3
75-15-0	76.14	Carbon disulfide	ND	5.0	ppbv		ND	16	ug/m3
108-90-7	112.6	Chlorobenzene	ND	5.0	ppbv		ND	23	ug/m3
75-00-3	64.52	Chloroethane	11.0	2.0	ppbv		29.0	5.3	ug/m3
67-66-3	119.4	Chloroform	40.4	5.0	ppbv		197	24	ug/m3
74-87-3	50.49	Chloromethane	ND	5.0	ppbv		ND	10	ug/m3
107-05-1	76.53	3-Chloropropene	ND	5.0	ppbv		ND	16	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	5.0	ppbv		ND	26	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	2.0	ppbv		ND	13	ug/m3
110-82-7	84.16	Cyclohexane	27.5	5.0	ppbv		94.7	17	ug/m3
75-34-3	98.96	1,1-Dichloroethane	426 [a]	100	ppbv		1720 [a]	400	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	32.0	2.0	ppbv		127	7.9	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	5.0	ppbv		ND	38	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	2.0	ppbv		ND	8.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	5.0	ppbv		ND	23	ug/m3
123-91-1	88	1,4-Dioxane	ND	5.0	ppbv		ND	18	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	5.0	ppbv		ND	25	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	5.0	ppbv		ND	43	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	11.6	2.0	ppbv		46.0	7.9	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	4140 [a]	100	ppbv		16400 [a]	400	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	5.0	ppbv		ND	23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	5.0	ppbv		ND	30	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	5.0	ppbv		ND	30	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	5.0	ppbv		ND	30	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	5.0	ppbv		ND	23	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SGP-11		
Lab Sample ID:	M83561-5	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M141,M206	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46	Ethanol	25.9	5.0	ppbv		48.7	9.4	ug/m3
100-41-4	106.2	Ethylbenzene	ND	5.0	ppbv		ND	22	ug/m3
141-78-6	88	Ethyl Acetate	ND	5.0	ppbv		ND	18	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	5.0	ppbv		ND	25	ug/m3
76-13-1	187.4	Freon 113	46.0	5.0	ppbv		353	38	ug/m3
76-14-2	170.9	Freon 114	ND	5.0	ppbv		ND	35	ug/m3
142-82-5	100.2	Heptane	ND	5.0	ppbv		ND	20	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	5.0	ppbv		ND	53	ug/m3
110-54-3	86.17	Hexane	6.8	5.0	ppbv		24	18	ug/m3
591-78-6	100	2-Hexanone	ND	5.0	ppbv		ND	20	ug/m3
67-63-0	60	Isopropyl Alcohol	ND	5.0	ppbv		ND	12	ug/m3
75-09-2	84.94	Methylene chloride	7.0	5.0	ppbv		24	17	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	5.0	ppbv		ND	15	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	5.0	ppbv		ND	20	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	5.0	ppbv		ND	18	ug/m3
115-07-1	42	Propylene	ND	5.0	ppbv		ND	8.6	ug/m3
100-42-5	104.1	Styrene	ND	5.0	ppbv		ND	21	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	651 [a]	100	ppbv		3550 [a]	550	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	2.0	ppbv		ND	14	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	2.0	ppbv		ND	11	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	5.0	ppbv		ND	37	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	5.0	ppbv		ND	25	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	5.0	ppbv		ND	25	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	5.0	ppbv		ND	23	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	5.0	ppbv		ND	15	ug/m3
127-18-4	165.8	Tetrachloroethylene	4520 [a]	100	ppbv		30700 [a]	680	ug/m3
109-99-9	72	Tetrahydrofuran	ND	5.0	ppbv		ND	15	ug/m3
108-88-3	92.14	Toluene	ND	5.0	ppbv		ND	19	ug/m3
79-01-6	131.4	Trichloroethylene	6210 [a]	100	ppbv		33400 [a]	540	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	5.0	ppbv		ND	28	ug/m3
75-01-4	62.5	Vinyl chloride	664 [a]	100	ppbv		1700 [a]	260	ug/m3
108-05-4	86	Vinyl Acetate	ND	5.0	ppbv		ND	18	ug/m3
	106.2	m,p-Xylene	ND	5.0	ppbv		ND	22	ug/m3
95-47-6	106.2	o-Xylene	ND	5.0	ppbv		ND	22	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	5.0	ppbv		ND	22	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	105%	92%	50-129%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SGP-11		
Lab Sample ID:	M83561-5	**Date Sampled:**	06/10/09
Matrix:	AIR - Air Summa ID: M141,M206	**Date Received:**	06/12/09
Method:	TO-15	**Percent Solids:**	n/a
Project:	42-14 19th Avenue, Astoria NY		

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units

(a) Result is from Run# 2

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: SGP-12
Lab Sample ID: M83561-6
Matrix: AIR - Air Summa ID: M181
Method: TO-15
Project: 42-14 19th Avenue, Astoria NY

Date Sampled: 06/10/09
Date Received: 06/12/09
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q11423.D	20	06/22/09	DFT	n/a	n/a	MSQ513
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	58.08	Acetone	60.7	10	ppbv		144	24	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	10	ppbv		ND	22	ug/m3
71-43-2	78.11	Benzene	ND	10	ppbv		ND	32	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	10	ppbv		ND	67	ug/m3
75-25-2	252.8	Bromoform	ND	10	ppbv		ND	100	ug/m3
74-83-9	94.94	Bromomethane	ND	10	ppbv		ND	39	ug/m3
593-60-2	106.9	Bromoethene	ND	10	ppbv		ND	44	ug/m3
100-44-7	126	Benzyl Chloride	ND	10	ppbv		ND	52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	10	ppbv		ND	31	ug/m3
108-90-7	112.6	Chlorobenzene	ND	10	ppbv		ND	46	ug/m3
75-00-3	64.52	Chloroethane	ND	4.0	ppbv		ND	11	ug/m3
67-66-3	119.4	Chloroform	12.6	10	ppbv		61.5	49	ug/m3
74-87-3	50.49	Chloromethane	ND	10	ppbv		ND	21	ug/m3
107-05-1	76.53	3-Chloropropene	ND	10	ppbv		ND	31	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	10	ppbv		ND	52	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	4.0	ppbv		ND	25	ug/m3
110-82-7	84.16	Cyclohexane	ND	10	ppbv		ND	34	ug/m3
75-34-3	98.96	1,1-Dichloroethane	21.9	4.0	ppbv		88.6	16	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	4.0	ppbv		ND	16	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	10	ppbv		ND	77	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	4.0	ppbv		ND	16	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	10	ppbv		ND	46	ug/m3
123-91-1	88	1,4-Dioxane	ND	10	ppbv		ND	36	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	10	ppbv		ND	49	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	10	ppbv		ND	85	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	4.0	ppbv		ND	16	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	492	4.0	ppbv		1950	16	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	10	ppbv		ND	45	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	10	ppbv		ND	60	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	10	ppbv		ND	60	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	10	ppbv		ND	60	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	10	ppbv		ND	45	ug/m3

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SGP-12
Lab Sample ID: M83561-6
Matrix: AIR - Air Summa ID: M181
Method: TO-15
Project: 42-14 19th Avenue, Astoria NY

Date Sampled: 06/10/09
Date Received: 06/12/09
Percent Solids: n/a

CAS No.	MW	Compound	Result	RL	Units	Q	Result	RL	Units
64-17-5	46	Ethanol	27.1	10	ppbv		51.0	19	ug/m3
100-41-4	106.2	Ethylbenzene	ND	10	ppbv		ND	43	ug/m3
141-78-6	88	Ethyl Acetate	ND	10	ppbv		ND	36	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	10	ppbv		ND	49	ug/m3
76-13-1	187.4	Freon 113	ND	10	ppbv		ND	77	ug/m3
76-14-2	170.9	Freon 114	ND	10	ppbv		ND	70	ug/m3
142-82-5	100.2	Heptane	ND	10	ppbv		ND	41	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	10	ppbv		ND	110	ug/m3
110-54-3	86.17	Hexane	ND	10	ppbv		ND	35	ug/m3
591-78-6	100	2-Hexanone	ND	10	ppbv		ND	41	ug/m3
67-63-0	60	Isopropyl Alcohol	ND	10	ppbv		ND	25	ug/m3
75-09-2	84.94	Methylene chloride	ND	10	ppbv		ND	35	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	10	ppbv		ND	29	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	10	ppbv		ND	41	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	10	ppbv		ND	36	ug/m3
115-07-1	42	Propylene	ND	10	ppbv		ND	17	ug/m3
100-42-5	104.1	Styrene	ND	10	ppbv		ND	43	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	16.4	4.0	ppbv		89.5	22	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	4.0	ppbv		ND	27	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	4.0	ppbv		ND	22	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	10	ppbv		ND	74	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	10	ppbv		ND	49	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	10	ppbv		ND	49	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	10	ppbv		ND	47	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	10	ppbv		ND	30	ug/m3
127-18-4	165.8	Tetrachloroethylene	249	4.0	ppbv		1690	27	ug/m3
109-99-9	72	Tetrahydrofuran	ND	10	ppbv		ND	29	ug/m3
108-88-3	92.14	Toluene	ND	10	ppbv		ND	38	ug/m3
79-01-6	131.4	Trichloroethylene	309	4.0	ppbv		1660	21	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	10	ppbv		ND	56	ug/m3
75-01-4	62.5	Vinyl chloride	9.2	4.0	ppbv		24	10	ug/m3
108-05-4	86	Vinyl Acetate	ND	10	ppbv		ND	35	ug/m3
	106.2	m,p-Xylene	ND	10	ppbv		ND	43	ug/m3
95-47-6	106.2	o-Xylene	ND	10	ppbv		ND	43	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	10	ppbv		ND	43	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		50-129%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

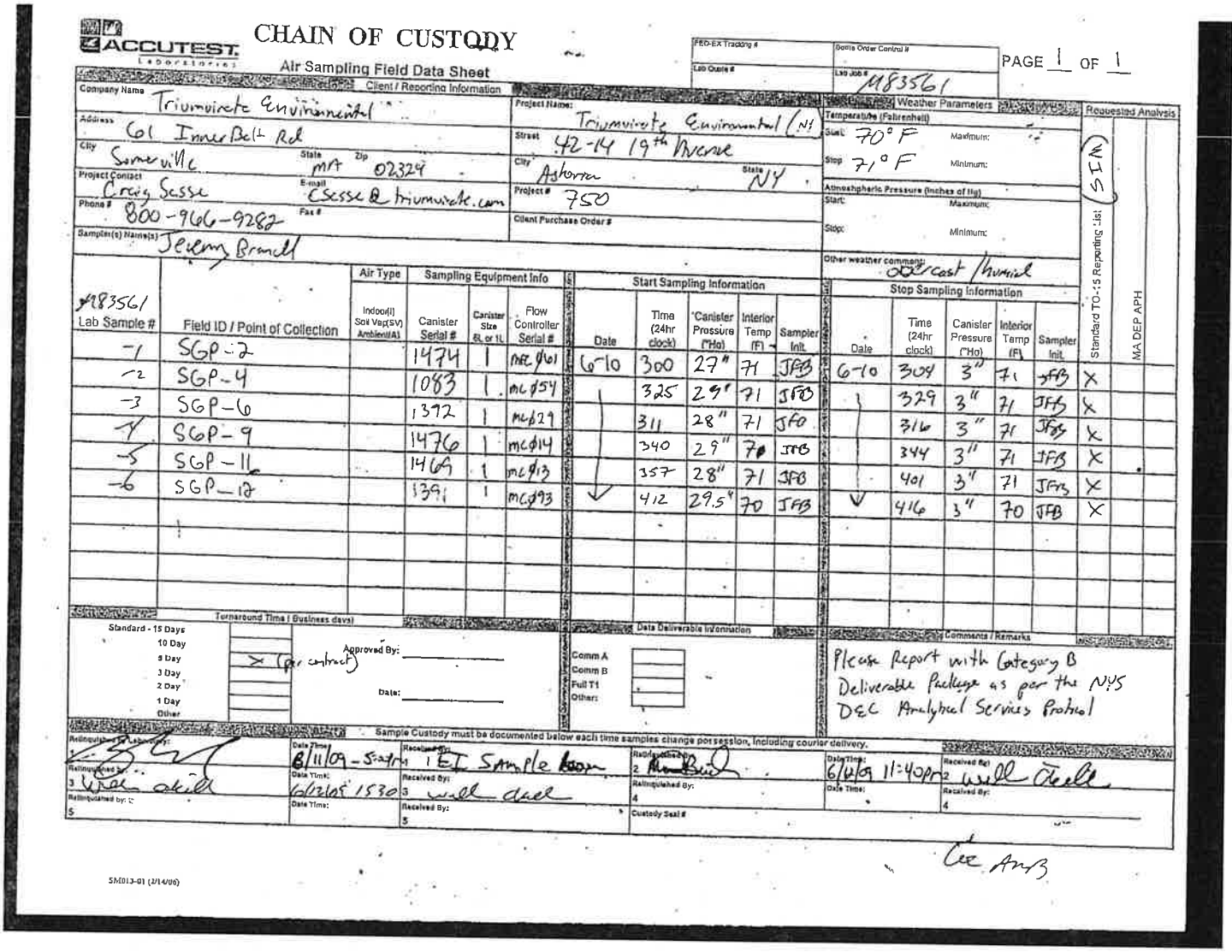
- Certification Exceptions
- Certification Exceptions (NY)
- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody

Parameter Certification Exceptions

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

The following parameters included in this report are exceptions to NELAC certification.
The certification status of each is indicated below.

Parameter	CAS#	Method	Mat	Certification Status
Acetone	67-64-1	TO-15	AIR	Certified by SOP MMS294/GC-MS
Bromodichloromethane	75-27-4	TO-15	AIR	Certified by SOP MMS294/GC-MS
Bromoethene	593-60-2	TO-15	AIR	Certified by SOP MMS294/GC-MS
2-Chlorotoluene	95-49-8	TO-15	AIR	Certified by SOP MMS294/GC-MS
Cyclohexane	110-82-7	TO-15	AIR	Certified by SOP MMS294/GC-MS
Dibromochloromethane	124-48-1	TO-15	AIR	Certified by SOP MMS294/GC-MS
Dichlorodifluoromethane	75-71-8	TO-15	AIR	Certified by SOP MMS294/GC-MS
4-Ethyltoluene	622-96-8	TO-15	AIR	Certified by SOP MMS294/GC-MS
Ethanol	64-17-5	TO-15	AIR	Certified by SOP MMS294/GC-MS
Ethyl Acetate	141-78-6	TO-15	AIR	Certified by SOP MMS294/GC-MS
Freon 113	76-13-1	TO-15	AIR	Certified by SOP MMS294/GC-MS
Freon 114	76-14-2	TO-15	AIR	Certified by SOP MMS294/GC-MS
2-Hexanone	591-78-6	TO-15	AIR	Certified by SOP MMS294/GC-MS
Heptane	142-82-5	TO-15	AIR	Certified by SOP MMS294/GC-MS
Isopropyl Alcohol	67-63-0	TO-15	AIR	Certified by SOP MMS294/GC-MS
Propylene	115-07-1	TO-15	AIR	Certified by SOP MMS294/GC-MS
1,2,4-Trimethylbenzene	95-63-6	TO-15	AIR	Certified by SOP MMS294/GC-MS
1,3,5-Trimethylbenzene	108-67-8	TO-15	AIR	Certified by SOP MMS294/GC-MS
Tertiary Butyl Alcohol	75-65-0	TO-15	AIR	Certified by SOP MMS294/GC-MS
Tetrahydrofuran	109-99-9	TO-15	AIR	Certified by SOP MMS294/GC-MS
Trichlorofluoromethane	75-69-4	TO-15	AIR	Certified by SOP MMS294/GC-MS
m,p-Xylene		TO-15	AIR	Certified by SOP MMS294/GC-MS
o-Xylene	95-47-6	TO-15	AIR	Certified by SOP MMS294/GC-MS



ACCUTEST Laboratories

CHAIN OF CUSTODY

Air Sampling Field Data Sheet

FED-EX Tracking #: | Bottle Order Control #: | PAGE 1 OF 1

Lab Quote #: | Lab Job # M83561

Client / Reporting Information

Company Name: Triumvirate Environmental
Address: 61 Inner Belt Rd
City: Somerville State: MA Zip: 02329
Project Contact: Craig Sesse E-mail: CSesse@triumvirate.com
Phone #: 800-966-9282 Fax #:
Sampler(s) Name(s): Jeremy Brandt

Project Information

Project Name: Triumvirate Environmental (NY)
Street: 42-14 19th Avenue
City: Astoria State: NY
Project #: 750
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: 70° F Maximum:
Stop: 71° F Minimum:
Atmospheric Pressure (Inches of Hg)
Start: Maximum:
Stop: Minimum:
Other weather comment: 22/cast / humid

Requested Analysis

Lab Sample #	Field ID / Point of Collection	Air Type: Indoor(I) Soil Vap(SV) Ambient(A)	Sampling Equipment Info: Canister Serial #	Canister Size (L or 1L)	Flow Controller Serial #	Start Sampling Information: Date	Time (24hr clock)	*Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Stop Sampling Information: Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Standard TO-15 Reporting List (NYSDEC)	MA DEP APH
M83561-1	SGP-2		1474	1	MFC #01	6-10	300	27"	71	JFB	6-10	304	3"	71	JFB	X	
-2	SGP-4		1083	1	MFC #54		325	29"	71	JFB		329	3"	71	JFB	X	
-3	SGP-6		1372	1	MFC #29		311	28"	71	JFB		316	3"	71	JFB	X	
-4	SGP-9		1476	1	MFC #14		340	29"	70	JFB		344	3"	71	JFB	X	
-5	SGP-11		1469	1	MFC #13		357	28"	71	JFB		401	3"	71	JFB	X	
-6	SGP-12		1391	1	MFC #93		412	29.5"	70	JFB		416	3"	70	JFB	X	

Turnaround Time (Business days)

Standard - 15 Days: X (per contract)
10 Day
5 Day
3 Day
2 Day
1 Day
Other

Approved By: Date:

Data Deliverable Information

Comm A
Comm B
Full T1
Others

Comments / Remarks

Please Report with Category B Deliverable Package as per the NYS DEC Analytical Services Protocol

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time: 6/11/09 - 5:27pm	Received By: 1 ET Sample Room	Relinquished By: 2	Date Time: 6/12/09 11:40pm	Received By: 2
Relinquished by: 3	Date Time: 6/12/09 1530	Received By: 3	Relinquished By: 4	Date Time:	Received By: 4
Relinquished by: 5	Date Time:	Received By: 5	Custody Seal #		

SM013-01 (2/14/06)

Lee Ann

4.2 4

Summa Canister and Flow Controller Log

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY
Received: 06/12/09

SUMMA CANISTERS

Shipping							Receiving						
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
M199	1	29.4	06/04/09	DFT	CP773	Q11274.D	M83561-1	06/23/09	PB	2.2			1
M197	1	29.4	06/04/09	DFT	CP773	Q11274.D	M83561-2	06/23/09	PB	1.2			1
M194	1	29.4	06/04/09	DFT	CP773	Q11274.D	M83561-3	06/23/09	PB	1.2			1
M179	1	29.4	06/04/09	DFT	CP773	Q11274.D	M83561-4	06/23/09	PB	1.2			1
M206	1	29.4	06/04/09	DFT	CP771	Q11268A.D	M83561-5	06/23/09	PB	1			1
M181	1	29.4	06/04/09	DFT	CP773	Q11274.D	M83561-6	06/23/09	PB	2.4			1

FLOW CONTROLLERS

Shipping					Receiving		
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min
MC013	06/04/09	DFT	200	.083	06/17/09	DFT	202
MC014	06/04/09	DFT	200	.083	06/17/09	DFT	205
MC029	06/04/09	DFT	200	.083	06/17/09	DFT	200
MC054	06/04/09	DFT	200	.083	06/17/09	DFT	203
MC061	06/04/09	DFT	200	.083	06/17/09	DFT	206
MC093	06/04/09	DFT	200	.083	06/17/09	DFT	204

Accutest Bottle Order(s):
DT/6-4-09/TRIUM/NEW YORK JOB

Prep Date	Room Temp(F)	Bar Pres "Hg
06/04/09	70	29.92

Internal Sample Tracking Chronicle

Triumvirate Environmental

42-14 19th Avenue, Astoria NY
Project No: #750

Job No: M83561

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
M83561-1 SGP-2	Collected: 10-JUN-09 15:04 By: JFB		Received: 12-JUN-09 By: SAP			
M83561-1	TO-15	17-JUN-09 14:53	DFT			VTO15STD
M83561-1	TO-15	17-JUN-09 20:31	DFT			VTO15STD
M83561-2 SGP-4	Collected: 10-JUN-09 15:29 By: JFB		Received: 12-JUN-09 By: SAP			
M83561-2	TO-15	17-JUN-09 15:36	DFT			VTO15STD
M83561-2	TO-15	17-JUN-09 21:13	DFT			VTO15STD
M83561-3 SGP-6	Collected: 10-JUN-09 15:16 By: JFB		Received: 12-JUN-09 By: SAP			
M83561-3	TO-15	17-JUN-09 16:17	DFT			VTO15STD
M83561-3	TO-15	17-JUN-09 19:49	DFT			VTO15STD
M83561-4 SGP-9	Collected: 10-JUN-09 15:44 By: JFB		Received: 12-JUN-09 By: SAP			
M83561-4	TO-15	17-JUN-09 19:05	DFT			VTO15STD
M83561-4	TO-15	17-JUN-09 21:56	DFT			VTO15STD
M83561-5 SGP-11	Collected: 10-JUN-09 16:01 By: JFB		Received: 12-JUN-09 By: SAP			
M83561-5	TO-15	17-JUN-09 17:41	DFT			VTO15STD
M83561-5	TO-15	17-JUN-09 22:38	DFT			VTO15STD
M83561-6 SGP-12	Collected: 10-JUN-09 16:16 By: JFB		Received: 12-JUN-09 By: SAP			
M83561-6	TO-15	22-JUN-09 13:28	DFT			VTO15STD

GC/MS Volatiles

5

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Raw Data: Q11378.D

Method Blank Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ512-MB	Q11378.D	1	06/17/09	DFT	n/a	n/a	MSQ512

The QC reported here applies to the following samples: **Method:** TO-15

M83561-1, M83561-2, M83561-3, M83561-4, M83561-5

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.50	ppbv		ND	1.2	ug/m3
106-99-0	1,3-Butadiene	ND	0.50	ppbv		ND	1.1	ug/m3
71-43-2	Benzene	ND	0.50	ppbv		ND	1.6	ug/m3
75-27-4	Bromodichloromethane	ND	0.50	ppbv		ND	3.3	ug/m3
75-25-2	Bromoform	ND	0.50	ppbv		ND	5.2	ug/m3
74-83-9	Bromomethane	ND	0.50	ppbv		ND	1.9	ug/m3
593-60-2	Bromoethene	ND	0.50	ppbv		ND	2.2	ug/m3
100-44-7	Benzyl Chloride	ND	0.50	ppbv		ND	2.6	ug/m3
75-15-0	Carbon disulfide	ND	0.50	ppbv		ND	1.6	ug/m3
108-90-7	Chlorobenzene	ND	0.50	ppbv		ND	2.3	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.50	ppbv		ND	2.4	ug/m3
74-87-3	Chloromethane	ND	0.50	ppbv		ND	1.0	ug/m3
107-05-1	3-Chloropropene	ND	0.50	ppbv		ND	1.6	ug/m3
95-49-8	2-Chlorotoluene	ND	0.50	ppbv		ND	2.6	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.50	ppbv		ND	1.7	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.50	ppbv		ND	3.8	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.50	ppbv		ND	2.3	ug/m3
123-91-1	1,4-Dioxane	ND	0.50	ppbv		ND	1.8	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.50	ppbv		ND	2.5	ug/m3
124-48-1	Dibromochloromethane	ND	0.50	ppbv		ND	4.3	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.50	ppbv		ND	2.2	ug/m3
141-78-6	Ethyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
622-96-8	4-Ethyltoluene	ND	0.50	ppbv		ND	2.5	ug/m3

Method Blank Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ512-MB	Q11378.D	1	06/17/09	DFT	n/a	n/a	MSQ512

The QC reported here applies to the following samples: **Method:** TO-15

M83561-1, M83561-2, M83561-3, M83561-4, M83561-5

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.50	ppbv		ND	3.8	ug/m3
76-14-2	Freon 114	ND	0.50	ppbv		ND	3.5	ug/m3
142-82-5	Heptane	ND	0.50	ppbv		ND	2.0	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.50	ppbv		ND	5.3	ug/m3
110-54-3	Hexane	ND	0.50	ppbv		ND	1.8	ug/m3
591-78-6	2-Hexanone	ND	0.50	ppbv		ND	2.0	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.50	ppbv		ND	1.2	ug/m3
75-09-2	Methylene chloride	ND	0.50	ppbv		ND	1.7	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.50	ppbv		ND	1.5	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.50	ppbv		ND	2.0	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ppbv		ND	1.8	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.50	ppbv		ND	2.1	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ppbv		ND	3.7	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.50	ppbv		ND	2.3	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.50	ppbv		ND	1.5	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
109-99-9	Tetrahydrofuran	ND	0.50	ppbv		ND	1.5	ug/m3
108-88-3	Toluene	ND	0.50	ppbv		ND	1.9	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.50	ppbv		ND	2.8	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
	m,p-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
95-47-6	o-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
1330-20-7	Xylenes (total)	ND	0.50	ppbv		ND	2.2	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	75%	50-129%

Method Blank Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ513-MB	Q11418.D	1	06/22/09	DFT	n/a	n/a	MSQ513

The QC reported here applies to the following samples: **Method:** TO-15

M83561-6

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	1.0	0.50	ppbv		2.4	1.2	ug/m3
106-99-0	1,3-Butadiene	ND	0.50	ppbv		ND	1.1	ug/m3
71-43-2	Benzene	ND	0.50	ppbv		ND	1.6	ug/m3
75-27-4	Bromodichloromethane	ND	0.50	ppbv		ND	3.3	ug/m3
75-25-2	Bromoform	ND	0.50	ppbv		ND	5.2	ug/m3
74-83-9	Bromomethane	ND	0.50	ppbv		ND	1.9	ug/m3
593-60-2	Bromoethene	ND	0.50	ppbv		ND	2.2	ug/m3
100-44-7	Benzyl Chloride	ND	0.50	ppbv		ND	2.6	ug/m3
75-15-0	Carbon disulfide	ND	0.50	ppbv		ND	1.6	ug/m3
108-90-7	Chlorobenzene	ND	0.50	ppbv		ND	2.3	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.50	ppbv		ND	2.4	ug/m3
74-87-3	Chloromethane	ND	0.50	ppbv		ND	1.0	ug/m3
107-05-1	3-Chloropropene	ND	0.50	ppbv		ND	1.6	ug/m3
95-49-8	2-Chlorotoluene	ND	0.50	ppbv		ND	2.6	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.50	ppbv		ND	1.7	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.50	ppbv		ND	3.8	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.50	ppbv		ND	2.3	ug/m3
123-91-1	1,4-Dioxane	ND	0.50	ppbv		ND	1.8	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.50	ppbv		ND	2.5	ug/m3
124-48-1	Dibromochloromethane	ND	0.50	ppbv		ND	4.3	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.50	ppbv		ND	2.2	ug/m3
141-78-6	Ethyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
622-96-8	4-Ethyltoluene	ND	0.50	ppbv		ND	2.5	ug/m3

Method Blank Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ513-MB	Q11418.D	1	06/22/09	DFT	n/a	n/a	MSQ513

The QC reported here applies to the following samples: **Method:** TO-15

M83561-6

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.50	ppbv		ND	3.8	ug/m3
76-14-2	Freon 114	ND	0.50	ppbv		ND	3.5	ug/m3
142-82-5	Heptane	ND	0.50	ppbv		ND	2.0	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.50	ppbv		ND	5.3	ug/m3
110-54-3	Hexane	ND	0.50	ppbv		ND	1.8	ug/m3
591-78-6	2-Hexanone	ND	0.50	ppbv		ND	2.0	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.50	ppbv		ND	1.2	ug/m3
75-09-2	Methylene chloride	0.55	0.50	ppbv		1.9	1.7	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.50	ppbv		ND	1.5	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.50	ppbv		ND	2.0	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ppbv		ND	1.8	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.50	ppbv		ND	2.1	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ppbv		ND	3.7	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.50	ppbv		ND	2.3	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.50	ppbv		ND	1.5	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
109-99-9	Tetrahydrofuran	ND	0.50	ppbv		ND	1.5	ug/m3
108-88-3	Toluene	ND	0.50	ppbv		ND	1.9	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.50	ppbv		ND	2.8	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
	m,p-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
95-47-6	o-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
1330-20-7	Xylenes (total)	ND	0.50	ppbv		ND	2.2	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	94%	50-129%

Raw Data: Q11268.D

Method Blank Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ505-MB	Q11268.D	1	06/02/09	DFT	n/a	n/a	MSQ505

The QC reported here applies to the following samples: **Method:** TO-15

MSQ505-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.50	ppbv		ND	1.2	ug/m3
106-99-0	1,3-Butadiene	ND	0.50	ppbv		ND	1.1	ug/m3
71-43-2	Benzene	ND	0.50	ppbv		ND	1.6	ug/m3
75-27-4	Bromodichloromethane	ND	0.50	ppbv		ND	3.3	ug/m3
75-25-2	Bromoform	ND	0.50	ppbv		ND	5.2	ug/m3
74-83-9	Bromomethane	ND	0.50	ppbv		ND	1.9	ug/m3
593-60-2	Bromoethene	ND	0.50	ppbv		ND	2.2	ug/m3
100-44-7	Benzyl Chloride	ND	0.50	ppbv		ND	2.6	ug/m3
75-15-0	Carbon disulfide	ND	0.50	ppbv		ND	1.6	ug/m3
108-90-7	Chlorobenzene	ND	0.50	ppbv		ND	2.3	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.50	ppbv		ND	2.4	ug/m3
74-87-3	Chloromethane	ND	0.50	ppbv		ND	1.0	ug/m3
107-05-1	3-Chloropropene	ND	0.50	ppbv		ND	1.6	ug/m3
95-49-8	2-Chlorotoluene	ND	0.50	ppbv		ND	2.6	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.50	ppbv		ND	1.7	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.50	ppbv		ND	3.8	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.50	ppbv		ND	2.3	ug/m3
123-91-1	1,4-Dioxane	ND	0.50	ppbv		ND	1.8	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.50	ppbv		ND	2.5	ug/m3
124-48-1	Dibromochloromethane	ND	0.50	ppbv		ND	4.3	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.50	ppbv		ND	2.2	ug/m3
141-78-6	Ethyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
622-96-8	4-Ethyltoluene	ND	0.50	ppbv		ND	2.5	ug/m3

Method Blank Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ505-MB	Q11268.D	1	06/02/09	DFT	n/a	n/a	MSQ505

The QC reported here applies to the following samples: **Method:** TO-15

MSQ505-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.50	ppbv		ND	3.8	ug/m3
76-14-2	Freon 114	ND	0.50	ppbv		ND	3.5	ug/m3
142-82-5	Heptane	ND	0.50	ppbv		ND	2.0	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.50	ppbv		ND	5.3	ug/m3
110-54-3	Hexane	ND	0.50	ppbv		ND	1.8	ug/m3
591-78-6	2-Hexanone	ND	0.50	ppbv		ND	2.0	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.50	ppbv		ND	1.2	ug/m3
75-09-2	Methylene chloride	ND	0.50	ppbv		ND	1.7	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.50	ppbv		ND	1.5	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.50	ppbv		ND	2.0	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ppbv		ND	1.8	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.50	ppbv		ND	2.1	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ppbv		ND	3.7	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.50	ppbv		ND	2.3	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.50	ppbv		ND	1.5	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
109-99-9	Tetrahydrofuran	ND	0.50	ppbv		ND	1.5	ug/m3
108-88-3	Toluene	ND	0.50	ppbv		ND	1.9	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.50	ppbv		ND	2.8	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
	m,p-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
95-47-6	o-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
1330-20-7	Xylenes (total)	ND	0.50	ppbv		ND	2.2	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	81%	50-129%

Method Blank Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ507-MB	Q11296.D	1	06/04/09	DFT	n/a	n/a	MSQ507

The QC reported here applies to the following samples: **Method:** TO-15

MSQ507-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	85%	50-129%

Raw Data: Q11357.D

Method Blank Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ511-MB	Q11357.D	1	06/15/09	DFT	n/a	n/a	MSQ511

The QC reported here applies to the following samples: **Method:** TO-15

MSQ511-SCC

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	87%	50-129%

Blank Spike Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ512-BS	Q11377A.D	1	06/17/09	DFT	n/a	n/a	MSQ512

The QC reported here applies to the following samples: **Method:** TO-15

M83561-1, M83561-2, M83561-3, M83561-4, M83561-5

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
67-64-1	Acetone	10	8.2	82	70-130
106-99-0	1,3-Butadiene	10	8.1	81	70-130
71-43-2	Benzene	10	11.3	113	70-130
75-27-4	Bromodichloromethane	10	9.8	98	70-130
75-25-2	Bromoform	10	10.6	106	70-130
74-83-9	Bromomethane	10	9.0	90	70-130
593-60-2	Bromoethene	10	8.8	88	70-130
100-44-7	Benzyl Chloride	10	7.4	74	70-130
75-15-0	Carbon disulfide	10	7.2	72	70-130
108-90-7	Chlorobenzene	10	10.6	106	70-130
75-00-3	Chloroethane	10	9.7	97	70-130
67-66-3	Chloroform	10	8.3	83	70-130
74-87-3	Chloromethane	10	9.0	90	70-130
107-05-1	3-Chloropropene	10	7.9	79	70-130
95-49-8	2-Chlorotoluene	10	11.4	114	70-130
56-23-5	Carbon tetrachloride	10	7.9	79	70-130
110-82-7	Cyclohexane	10	8.9	89	70-130
75-34-3	1,1-Dichloroethane	10	8.8	88	70-130
75-35-4	1,1-Dichloroethylene	10	8.7	87	70-130
106-93-4	1,2-Dibromoethane	10	10.3	103	70-130
107-06-2	1,2-Dichloroethane	10	8.5	85	70-130
78-87-5	1,2-Dichloropropane	10	11.4	114	70-130
123-91-1	1,4-Dioxane	10	10.9	109	70-130
75-71-8	Dichlorodifluoromethane	10	7.7	77	70-130
124-48-1	Dibromochloromethane	10	9.9	99	70-130
156-60-5	trans-1,2-Dichloroethylene	10	8.5	85	70-130
156-59-2	cis-1,2-Dichloroethylene	10	9.3	93	70-130
10061-01-5	cis-1,3-Dichloropropene	10	10.8	108	70-130
541-73-1	m-Dichlorobenzene	10	9.1	91	70-130
95-50-1	o-Dichlorobenzene	10	12.1	121	70-130
106-46-7	p-Dichlorobenzene	10	8.2	82	70-130
10061-02-6	trans-1,3-Dichloropropene	10	10.4	104	70-130
64-17-5	Ethanol	10	10.4	104	70-130
100-41-4	Ethylbenzene	10	11.8	118	70-130
141-78-6	Ethyl Acetate	10	8.7	87	70-130
622-96-8	4-Ethyltoluene	10	10.9	109	70-130

Blank Spike Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ512-BS	Q11377A.D	1	06/17/09	DFT	n/a	n/a	MSQ512

The QC reported here applies to the following samples: **Method:** TO-15

M83561-1, M83561-2, M83561-3, M83561-4, M83561-5

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
76-13-1	Freon 113	10	8.3	83	70-130
76-14-2	Freon 114	10	8.7	87	70-130
142-82-5	Heptane	10	9.6	96	70-130
87-68-3	Hexachlorobutadiene	10	11.7	117	70-130
110-54-3	Hexane	10	8.5	85	70-130
591-78-6	2-Hexanone	10	10.3	103	70-130
67-63-0	Isopropyl Alcohol	10	8.9	89	70-130
75-09-2	Methylene chloride	10	8.3	83	70-130
78-93-3	Methyl ethyl ketone	10	8.5	85	70-130
108-10-1	Methyl Isobutyl Ketone	10	9.8	98	70-130
1634-04-4	Methyl Tert Butyl Ether	10	8.9	89	70-130
115-07-1	Propylene	10	8.0	80	70-130
100-42-5	Styrene	10	11.0	110	70-130
71-55-6	1,1,1-Trichloroethane	10	8.4	84	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	11.3	113	70-130
79-00-5	1,1,2-Trichloroethane	10	11.0	110	70-130
120-82-1	1,2,4-Trichlorobenzene	10	8.0	80	70-130
95-63-6	1,2,4-Trimethylbenzene	10	11.5	115	70-130
108-67-8	1,3,5-Trimethylbenzene	10	11.8	118	70-130
540-84-1	2,2,4-Trimethylpentane	10	10	100	70-130
75-65-0	Tertiary Butyl Alcohol	10	8.4	84	70-130
127-18-4	Tetrachloroethylene	10	9.5	95	70-130
109-99-9	Tetrahydrofuran	10	9.2	92	70-130
108-88-3	Toluene	10	11.7	117	70-130
79-01-6	Trichloroethylene	10	9.5	95	70-130
75-69-4	Trichlorofluoromethane	10	7.9	79	70-130
75-01-4	Vinyl chloride	10	9.1	91	70-130
108-05-4	Vinyl Acetate	10	10.9	109	70-130
	m,p-Xylene	20	22.7	114	70-130
95-47-6	o-Xylene	10	11.4	114	70-130
1330-20-7	Xylenes (total)	30	34.0	113	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	97%	50-129%

Raw Data: Q11417B.D

Blank Spike Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ513-BS	Q11417B.D	1	06/22/09	DFT	n/a	n/a	MSQ513

The QC reported here applies to the following samples: **Method:** TO-15

M83561-6

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
67-64-1	Acetone	10	9.5	95	70-130
106-99-0	1,3-Butadiene	10	7.8	78	70-130
71-43-2	Benzene	10	10.7	107	70-130
75-27-4	Bromodichloromethane	10	11.4	114	70-130
75-25-2	Bromoform	10	10.7	107	70-130
74-83-9	Bromomethane	10	8.7	87	70-130
593-60-2	Bromoethene	10	8.7	87	70-130
100-44-7	Benzyl Chloride	10	8.1	81	70-130
75-15-0	Carbon disulfide	10	9.3	93	70-130
108-90-7	Chlorobenzene	10	9.9	99	70-130
75-00-3	Chloroethane	10	8.8	88	70-130
67-66-3	Chloroform	10	9.6	96	70-130
74-87-3	Chloromethane	10	8.0	80	70-130
107-05-1	3-Chloropropene	10	10.1	101	70-130
95-49-8	2-Chlorotoluene	10	12.5	125	70-130
56-23-5	Carbon tetrachloride	10	10.5	105	70-130
110-82-7	Cyclohexane	10	8.8	88	70-130
75-34-3	1,1-Dichloroethane	10	9.9	99	70-130
75-35-4	1,1-Dichloroethylene	10	9.6	96	70-130
106-93-4	1,2-Dibromoethane	10	10.5	105	70-130
107-06-2	1,2-Dichloroethane	10	10.6	106	70-130
78-87-5	1,2-Dichloropropane	10	10.9	109	70-130
123-91-1	1,4-Dioxane	10	9.3	93	70-130
75-71-8	Dichlorodifluoromethane	10	9.2	92	70-130
124-48-1	Dibromochloromethane	10	12.2	122	70-130
156-60-5	trans-1,2-Dichloroethylene	10	9.3	93	70-130
156-59-2	cis-1,2-Dichloroethylene	10	9.3	93	70-130
10061-01-5	cis-1,3-Dichloropropene	10	10.5	105	70-130
541-73-1	m-Dichlorobenzene	10	10.6	106	70-130
95-50-1	o-Dichlorobenzene	10	11.7	117	70-130
106-46-7	p-Dichlorobenzene	10	9.4	94	70-130
10061-02-6	trans-1,3-Dichloropropene	10	10.7	107	70-130
64-17-5	Ethanol	10	9.5	95	70-130
100-41-4	Ethylbenzene	10	11.4	114	70-130
141-78-6	Ethyl Acetate	10	9.2	92	70-130
622-96-8	4-Ethyltoluene	10	10.5	105	70-130

Blank Spike Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ513-BS	Q11417B.D	1	06/22/09	DFT	n/a	n/a	MSQ513

The QC reported here applies to the following samples: **Method:** TO-15

M83561-6

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
76-13-1	Freon 113	10	10.0	100	70-130
76-14-2	Freon 114	10	9.1	91	70-130
142-82-5	Heptane	10	8.9	89	70-130
87-68-3	Hexachlorobutadiene	10	15.1	151* [a]	70-130
110-54-3	Hexane	10	8.4	84	70-130
591-78-6	2-Hexanone	10	9.7	97	70-130
67-63-0	Isopropyl Alcohol	10	9.5	95	70-130
75-09-2	Methylene chloride	10	8.7	87	70-130
78-93-3	Methyl ethyl ketone	10	9.2	92	70-130
108-10-1	Methyl Isobutyl Ketone	10	9.5	95	70-130
1634-04-4	Methyl Tert Butyl Ether	10	10.9	109	70-130
115-07-1	Propylene	10	7.2	72	70-130
100-42-5	Styrene	10	10.3	103	70-130
71-55-6	1,1,1-Trichloroethane	10	10.3	103	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	12.1	121	70-130
79-00-5	1,1,2-Trichloroethane	10	10.8	108	70-130
120-82-1	1,2,4-Trichlorobenzene	10	7.4	74	70-130
95-63-6	1,2,4-Trimethylbenzene	10	11.5	115	70-130
108-67-8	1,3,5-Trimethylbenzene	10	11.2	112	70-130
540-84-1	2,2,4-Trimethylpentane	10	9.3	93	70-130
75-65-0	Tertiary Butyl Alcohol	10	9.9	99	70-130
127-18-4	Tetrachloroethylene	10	10.0	100	70-130
109-99-9	Tetrahydrofuran	10	9.8	98	70-130
108-88-3	Toluene	10	10.6	106	70-130
79-01-6	Trichloroethylene	10	9.6	96	70-130
75-69-4	Trichlorofluoromethane	10	9.8	98	70-130
75-01-4	Vinyl chloride	10	8.3	83	70-130
108-05-4	Vinyl Acetate	10	11.7	117	70-130
	m,p-Xylene	20	22.1	111	70-130
95-47-6	o-Xylene	10	11.9	119	70-130
1330-20-7	Xylenes (total)	30	34.0	113	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	117%	50-129%

Blank Spike Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ513-BS	Q11417B.D	1	06/22/09	DFT	n/a	n/a	MSQ513

The QC reported here applies to the following samples: **Method:** TO-15

M83561-6

(a) Outside control limits. Associated samples are non-detect for this compound.

Raw Data: Q11267B.D

Blank Spike Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ505-BS	Q11267B.D	1	06/01/09	DFT	n/a	n/a	MSQ505

The QC reported here applies to the following samples: **Method:** TO-15

MSQ505-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
67-64-1	Acetone	10	8.5	85	70-130
106-99-0	1,3-Butadiene	10	10.6	106	70-130
71-43-2	Benzene	10	11.4	114	70-130
75-27-4	Bromodichloromethane	10	10	100	70-130
75-25-2	Bromoform	10	9.0	90	70-130
74-83-9	Bromomethane	10	10.6	106	70-130
593-60-2	Bromoethene	10	10.7	107	70-130
100-44-7	Benzyl Chloride	10	7.9	79	70-130
75-15-0	Carbon disulfide	10	10.1	101	70-130
108-90-7	Chlorobenzene	10	11.4	114	70-130
75-00-3	Chloroethane	10	10.8	108	70-130
67-66-3	Chloroform	10	10.6	106	70-130
74-87-3	Chloromethane	10	10.8	108	70-130
107-05-1	3-Chloropropene	10	10.1	101	70-130
95-49-8	2-Chlorotoluene	10	8.8	88	70-130
56-23-5	Carbon tetrachloride	10	10.1	101	70-130
110-82-7	Cyclohexane	10	10.5	105	70-130
75-34-3	1,1-Dichloroethane	10	10.6	106	70-130
75-35-4	1,1-Dichloroethylene	10	10.6	106	70-130
106-93-4	1,2-Dibromoethane	10	9.5	95	70-130
107-06-2	1,2-Dichloroethane	10	10.6	106	70-130
78-87-5	1,2-Dichloropropane	10	10.8	108	70-130
123-91-1	1,4-Dioxane	10	8.4	84	70-130
75-71-8	Dichlorodifluoromethane	10	10.2	102	70-130
124-48-1	Dibromochloromethane	10	10.8	108	70-130
156-60-5	trans-1,2-Dichloroethylene	10	11.0	110	70-130
156-59-2	cis-1,2-Dichloroethylene	10	11.4	114	70-130
10061-01-5	cis-1,3-Dichloropropene	10	8.9	89	70-130
541-73-1	m-Dichlorobenzene	10	8.5	85	70-130
95-50-1	o-Dichlorobenzene	10	9.0	90	70-130
106-46-7	p-Dichlorobenzene	10	9.1	91	70-130
10061-02-6	trans-1,3-Dichloropropene	10	8.8	88	70-130
64-17-5	Ethanol	10	10.5	105	70-130
100-41-4	Ethylbenzene	10	9.6	96	70-130
141-78-6	Ethyl Acetate	10	10.6	106	70-130
622-96-8	4-Ethyltoluene	10	8.8	88	70-130

Blank Spike Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ505-BS	Q11267B.D	1	06/01/09	DFT	n/a	n/a	MSQ505

The QC reported here applies to the following samples: **Method:** TO-15

MSQ505-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
76-13-1	Freon 113	10	10.7	107	70-130
76-14-2	Freon 114	10	10.5	105	70-130
142-82-5	Heptane	10	10.0	100	70-130
87-68-3	Hexachlorobutadiene	10	8.2	82	70-130
110-54-3	Hexane	10	10.9	109	70-130
591-78-6	2-Hexanone	10	8.8	88	70-130
67-63-0	Isopropyl Alcohol	10	9.8	98	70-130
75-09-2	Methylene chloride	10	10	100	70-130
78-93-3	Methyl ethyl ketone	10	10.5	105	70-130
108-10-1	Methyl Isobutyl Ketone	10	8.3	83	70-130
1634-04-4	Methyl Tert Butyl Ether	10	11.4	114	70-130
115-07-1	Propylene	10	11.6	116	70-130
100-42-5	Styrene	10	9.3	93	70-130
71-55-6	1,1,1-Trichloroethane	10	10.4	104	70-130
79-34-5	1,1,2,2-Tetrachloroethane	10	8.9	89	70-130
79-00-5	1,1,2-Trichloroethane	10	10.7	107	70-130
120-82-1	1,2,4-Trichlorobenzene	10	7.3	73	70-130
95-63-6	1,2,4-Trimethylbenzene	10	8.6	86	70-130
108-67-8	1,3,5-Trimethylbenzene	10	8.5	85	70-130
540-84-1	2,2,4-Trimethylpentane	10	9.9	99	70-130
75-65-0	Tertiary Butyl Alcohol	10	9.9	99	70-130
127-18-4	Tetrachloroethylene	10	10.8	108	70-130
109-99-9	Tetrahydrofuran	10	11.1	111	70-130
108-88-3	Toluene	10	9.3	93	70-130
79-01-6	Trichloroethylene	10	9.9	99	70-130
75-69-4	Trichlorofluoromethane	10	10	100	70-130
75-01-4	Vinyl chloride	10	10.7	107	70-130
108-05-4	Vinyl Acetate	10	9.3	93	70-130
	m,p-Xylene	20	18.8	94	70-130
95-47-6	o-Xylene	10	9.1	91	70-130
1330-20-7	Xylenes (total)	30	27.8	93	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	98%	50-129%

Raw Data: Q11295A.D

Blank Spike Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ507-BS	Q11295A.D	1	06/04/09	DFT	n/a	n/a	MSQ507

The QC reported here applies to the following samples: **Method:** TO-15

MSQ507-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
75-34-3	1,1-Dichloroethane	10	10.9	109	70-130
156-59-2	cis-1,2-Dichloroethylene	10	12.1	121	70-130
71-55-6	1,1,1-Trichloroethane	10	11.4	114	70-130
127-18-4	Tetrachloroethylene	10	10.7	107	70-130
79-01-6	Trichloroethylene	10	10.4	104	70-130
75-01-4	Vinyl chloride	10	11.0	110	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	101%	50-129%

Raw Data: Q11356B.D

Blank Spike Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ511-BS	Q11356B.D	1	06/15/09	DFT	n/a	n/a	MSQ511

The QC reported here applies to the following samples: **Method:** TO-15

MSQ511-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	Limits
156-59-2	cis-1,2-Dichloroethylene	10	10.4	104	70-130
127-18-4	Tetrachloroethylene	10	9.8	98	70-130
79-01-6	Trichloroethylene	10	10.0	100	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	103%	50-129%

Duplicate Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83561-4DUP	Q11388.D	10	06/17/09	DFT	n/a	n/a	MSQ512
M83561-4	Q11391.D	10	06/17/09	DFT	n/a	n/a	MSQ512
M83561-4	Q11395.D	200	06/17/09	DFT	n/a	n/a	MSQ512

The QC reported here applies to the following samples: **Method:** TO-15

M83561-1, M83561-2, M83561-3, M83561-4, M83561-5

CAS No.	Compound	M83561-4 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone	28.8		31.3		8	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	ND		ND		nc	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	20
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	68.3		83.7		20	25
74-87-3	Chloromethane	ND		ND		nc	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	180		214		17	25
75-35-4	1,1-Dichloroethylene	1.7		2.2		26* [a]	25
106-93-4	1,2-Dibromoethane	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		1.5	J	200* [b]	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	ND		ND		nc	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	26.9		34.2		24	25
156-59-2	cis-1,2-Dichloroethylene	2470 [c]		6430	E	24	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	26.4		32.2		20	25
100-41-4	Ethylbenzene	ND		ND		nc	25
141-78-6	Ethyl Acetate	ND		ND		nc	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25

Duplicate Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83561-4DUP	Q11388.D	10	06/17/09	DFT	n/a	n/a	MSQ512
M83561-4	Q11391.D	10	06/17/09	DFT	n/a	n/a	MSQ512
M83561-4	Q11395.D	200	06/17/09	DFT	n/a	n/a	MSQ512

The QC reported here applies to the following samples: **Method:** TO-15

M83561-1, M83561-2, M83561-3, M83561-4, M83561-5

CAS No.	Compound	M83561-4 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		1.8	J	200* [b]	25
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	ND		ND		nc	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	ND		ND		nc	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	4.4		5.0		13	25
75-09-2	Methylene chloride	3.5		3.5	J	0	25
78-93-3	Methyl ethyl ketone	ND		ND		nc	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	53.4		65.2		20	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	ND		ND		nc	25
75-65-0	Tertiary Butyl Alcohol	2.4		3.0	J	22	25
127-18-4	Tetrachloroethylene	314 [c]		653	E	25	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	4.1		4.8	J	16	25
79-01-6	Trichloroethylene	658 [c]		1460	E	26* [d]	25
75-69-4	Trichlorofluoromethane	ND		ND		nc	25
75-01-4	Vinyl chloride	1.9		2.6		31* [a]	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	3.6		3.9	J	8	25
95-47-6	o-Xylene	ND		ND		nc	25
1330-20-7	Xylenes (total)	3.6		3.9	J	8	25

CAS No.	Surrogate Recoveries	DUP	M83561-4	M83561-4	Limits
460-00-4	4-Bromofluorobenzene	93%	97%	96%	50-129%

Duplicate Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83561-4DUP	Q11388.D	10	06/17/09	DFT	n/a	n/a	MSQ512
M83561-4	Q11391.D	10	06/17/09	DFT	n/a	n/a	MSQ512
M83561-4	Q11395.D	200	06/17/09	DFT	n/a	n/a	MSQ512

The QC reported here applies to the following samples: **Method:** TO-15

M83561-1, M83561-2, M83561-3, M83561-4, M83561-5

(a) High RPD due to possible matrix interference and/or sample non-homogeneity.
(b) High RPD due to sample levels below reporting limit.
(c) Result is from Run #2.
(d) High RPD due to sample levels above calibration range.

Duplicate Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83561-6DUP	Q11427.D	20	06/22/09	DFT	n/a	n/a	MSQ513
M83561-6	Q11423.D	20	06/22/09	DFT	n/a	n/a	MSQ513

The QC reported here applies to the following samples: **Method:** TO-15

M83561-6

CAS No.	Compound	M83561-6 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone	60.7		14.6		122* [a]	25
106-99-0	1,3-Butadiene	ND		ND		nc	25
71-43-2	Benzene	ND		ND		nc	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	20
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	12.6		11.6		8	25
74-87-3	Chloromethane	ND		ND		nc	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	ND		ND		nc	25
75-34-3	1,1-Dichloroethane	21.9		18.7		16	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	ND		ND		nc	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	3.6		3.2	J	12	25
156-59-2	cis-1,2-Dichloroethylene	492		410		18	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	27.1		31.1		14	25
100-41-4	Ethylbenzene	ND		ND		nc	25
141-78-6	Ethyl Acetate	ND		ND		nc	25
622-96-8	4-Ethyltoluene	ND		ND		nc	25

Duplicate Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83561-6DUP	Q11427.D	20	06/22/09	DFT	n/a	n/a	MSQ513
M83561-6	Q11423.D	20	06/22/09	DFT	n/a	n/a	MSQ513

The QC reported here applies to the following samples: **Method:** TO-15

M83561-6

CAS No.	Compound	M83561-6 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	25
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	ND		ND		nc	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	ND		ND		nc	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	ND		ND		nc	25
75-09-2	Methylene chloride	ND		ND		nc	25
78-93-3	Methyl ethyl ketone	ND		ND		nc	25
108-10-1	Methyl Isobutyl Ketone	ND		ND		nc	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
115-07-1	Propylene	ND		ND		nc	25
100-42-5	Styrene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	16.4		14.1		15	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	ND		ND		nc	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	ND		ND		nc	25
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	25
127-18-4	Tetrachloroethylene	249		228		9	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	2.8		2.5	J	11	25
79-01-6	Trichloroethylene	309		277		11	25
75-69-4	Trichlorofluoromethane	ND		ND		nc	25
75-01-4	Vinyl chloride	9.2		9.0		2	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	ND		ND		nc	25
95-47-6	o-Xylene	ND		ND		nc	25
1330-20-7	Xylenes (total)	ND		ND		nc	25

CAS No.	Surrogate Recoveries	DUP	M83561-6	Limits
460-00-4	4-Bromofluorobenzene	91%	91%	50-129%

Duplicate Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
M83561-6DUP	Q11427.D	20	06/22/09	DFT	n/a	n/a	MSQ513
M83561-6	Q11423.D	20	06/22/09	DFT	n/a	n/a	MSQ513

The QC reported here applies to the following samples: **Method:** TO-15

M83561-6

(a) High RPD due to possible matrix interference and/or sample non-homogeneity.

Raw Data: Q11268A.D

Summa Cleaning Certification

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ505-SCC	Q11268A.D	1	06/02/09	DFT	n/a	n/a	MSQ505

5.4.1

5

The QC reported here (Summa M175) applies to the following samples: **Method:** TO-15

Batch CP771 cleaned 05/26/09: M83561-5(M206)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	ND	0.50	ppbv		ND	1.2	ug/m3
106-99-0	1,3-Butadiene	ND	0.50	ppbv		ND	1.1	ug/m3
71-43-2	Benzene	ND	0.50	ppbv		ND	1.6	ug/m3
75-27-4	Bromodichloromethane	ND	0.50	ppbv		ND	3.3	ug/m3
75-25-2	Bromoform	ND	0.50	ppbv		ND	5.2	ug/m3
74-83-9	Bromomethane	ND	0.50	ppbv		ND	1.9	ug/m3
593-60-2	Bromoethene	ND	0.50	ppbv		ND	2.2	ug/m3
100-44-7	Benzyl Chloride	ND	0.50	ppbv		ND	2.6	ug/m3
75-15-0	Carbon disulfide	ND	0.50	ppbv		ND	1.6	ug/m3
108-90-7	Chlorobenzene	ND	0.50	ppbv		ND	2.3	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.50	ppbv		ND	2.4	ug/m3
74-87-3	Chloromethane	ND	0.50	ppbv		ND	1.0	ug/m3
107-05-1	3-Chloropropene	ND	0.50	ppbv		ND	1.6	ug/m3
95-49-8	2-Chlorotoluene	ND	0.50	ppbv		ND	2.6	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.50	ppbv		ND	1.7	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.50	ppbv		ND	3.8	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.50	ppbv		ND	2.3	ug/m3
123-91-1	1,4-Dioxane	ND	0.50	ppbv		ND	1.8	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.50	ppbv		ND	2.5	ug/m3
124-48-1	Dibromochloromethane	ND	0.50	ppbv		ND	4.3	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.50	ppbv		ND	2.2	ug/m3
141-78-6	Ethyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
622-96-8	4-Ethyltoluene	ND	0.50	ppbv		ND	2.5	ug/m3
76-13-1	Freon 113	ND	0.50	ppbv		ND	3.8	ug/m3
76-14-2	Freon 114	ND	0.50	ppbv		ND	3.5	ug/m3

Summa Cleaning Certification

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ505-SCC	Q11268A.D	1	06/02/09	DFT	n/a	n/a	MSQ505

The QC reported here (Summa M175) applies to the following samples: **Method:** TO-15

Batch CP771 cleaned 05/26/09: M83561-5(M206)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
142-82-5	Heptane	ND	0.50	ppbv		ND	2.0	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.50	ppbv		ND	5.3	ug/m3
110-54-3	Hexane	ND	0.50	ppbv		ND	1.8	ug/m3
591-78-6	2-Hexanone	ND	0.50	ppbv		ND	2.0	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.50	ppbv		ND	1.2	ug/m3
75-09-2	Methylene chloride	ND	0.50	ppbv		ND	1.7	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.50	ppbv		ND	1.5	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.50	ppbv		ND	2.0	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ppbv		ND	1.8	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.50	ppbv		ND	2.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ppbv		ND	3.7	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.50	ppbv		ND	2.3	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.50	ppbv		ND	1.5	ug/m3
109-99-9	Tetrahydrofuran	ND	0.50	ppbv		ND	1.5	ug/m3
108-88-3	Toluene	ND	0.50	ppbv		ND	1.9	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.50	ppbv		ND	2.8	ug/m3
108-05-4	Vinyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
	m,p-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
95-47-6	o-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
1330-20-7	Xylenes (total)	ND	0.50	ppbv		ND	2.2	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	81%	50-129%

Raw Data: Q11274.D

Summa Cleaning Certification

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ505-SCC	Q11274.D	1	06/02/09	DFT	n/a	n/a	MSQ505

5.4.2

5

The QC reported here (Summa M203) applies to the following samples: **Method:** TO-15

Batch CP773 cleaned 05/28/09: M83561-1(M199), M83561-2(M197), M83561-3(M194), M83561-4(M179), M83561-6(M181)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
67-64-1	Acetone	1.4	0.50	ppbv		3.3	1.2	ug/m3
106-99-0	1,3-Butadiene	ND	0.50	ppbv		ND	1.1	ug/m3
71-43-2	Benzene	ND	0.50	ppbv		ND	1.6	ug/m3
75-27-4	Bromodichloromethane	ND	0.50	ppbv		ND	3.3	ug/m3
75-25-2	Bromoform	ND	0.50	ppbv		ND	5.2	ug/m3
74-83-9	Bromomethane	ND	0.50	ppbv		ND	1.9	ug/m3
593-60-2	Bromoethene	ND	0.50	ppbv		ND	2.2	ug/m3
100-44-7	Benzyl Chloride	ND	0.50	ppbv		ND	2.6	ug/m3
75-15-0	Carbon disulfide	ND	0.50	ppbv		ND	1.6	ug/m3
108-90-7	Chlorobenzene	ND	0.50	ppbv		ND	2.3	ug/m3
75-00-3	Chloroethane	ND	0.20	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.50	ppbv		ND	2.4	ug/m3
74-87-3	Chloromethane	ND	0.50	ppbv		ND	1.0	ug/m3
107-05-1	3-Chloropropene	ND	0.50	ppbv		ND	1.6	ug/m3
95-49-8	2-Chlorotoluene	ND	0.50	ppbv		ND	2.6	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.50	ppbv		ND	1.7	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane	ND	0.50	ppbv		ND	3.8	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.50	ppbv		ND	2.3	ug/m3
123-91-1	1,4-Dioxane	ND	0.50	ppbv		ND	1.8	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.50	ppbv		ND	2.5	ug/m3
124-48-1	Dibromochloromethane	ND	0.50	ppbv		ND	4.3	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.50	ppbv		ND	3.0	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	ppbv		ND	2.3	ug/m3
64-17-5	Ethanol	ND	0.50	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.50	ppbv		ND	2.2	ug/m3
141-78-6	Ethyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
622-96-8	4-Ethyltoluene	ND	0.50	ppbv		ND	2.5	ug/m3

Summa Cleaning Certification

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ505-SCC	Q11274.D	1	06/02/09	DFT	n/a	n/a	MSQ505

The QC reported here (Summa M203) applies to the following samples: **Method:** TO-15

Batch CP773 cleaned 05/28/09: M83561-1(M199), M83561-2(M197), M83561-3(M194), M83561-4(M179), M83561-6(M181)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.50	ppbv		ND	3.8	ug/m3
76-14-2	Freon 114	ND	0.50	ppbv		ND	3.5	ug/m3
142-82-5	Heptane	ND	0.50	ppbv		ND	2.0	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.50	ppbv		ND	5.3	ug/m3
110-54-3	Hexane	ND	0.50	ppbv		ND	1.8	ug/m3
591-78-6	2-Hexanone	ND	0.50	ppbv		ND	2.0	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.50	ppbv		ND	1.2	ug/m3
75-09-2	Methylene chloride	1.3	0.50	ppbv		4.5	1.7	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.50	ppbv		ND	1.5	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.50	ppbv		ND	2.0	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.50	ppbv		ND	1.8	ug/m3
115-07-1	Propylene	ND	0.50	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.50	ppbv		ND	2.1	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.50	ppbv		ND	3.7	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.50	ppbv		ND	2.5	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.50	ppbv		ND	2.3	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.50	ppbv		ND	1.5	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
109-99-9	Tetrahydrofuran	ND	0.50	ppbv		ND	1.5	ug/m3
108-88-3	Toluene	ND	0.50	ppbv		ND	1.9	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.50	ppbv		ND	2.8	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.50	ppbv		ND	1.8	ug/m3
	m,p-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
95-47-6	o-Xylene	ND	0.50	ppbv		ND	2.2	ug/m3
1330-20-7	Xylenes (total)	ND	0.50	ppbv		ND	2.2	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	88%	50-129%

Summa Cleaning Certification

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ507-SCC	Q11296A.D	1	06/04/09	DFT	n/a	n/a	MSQ507

The QC reported here (Summa M120) applies to the following samples: **Method:** TO-15

Batch CP775 cleaned 06/03/09: M83561-4(M104), M83561-5(M141)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
75-34-3	1,1-Dichloroethane	ND	0.20	ppbv		ND	0.81	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	ppbv		ND	1.1	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	ppbv		ND	0.51	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	85%	50-129%

Raw Data: Q11366.D

Summa Cleaning Certification

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MSQ511-SCC	Q11366.D	1	06/16/09	DFT	n/a	n/a	MSQ511

The QC reported here (Summa M178) applies to the following samples: **Method:** TO-15

Batch CP778 cleaned 06/11/09: M83561-1(M187), M83561-2(M183)

CAS No.	Compound	Result	RL	Units	Q	Result	RL	Units
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	ppbv		ND	0.79	ug/m3
127-18-4	Tetrachloroethylene	ND	0.20	ppbv		ND	1.4	ug/m3
79-01-6	Trichloroethylene	ND	0.20	ppbv		ND	1.1	ug/m3

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	91%	50-129%

Instrument Performance Check (BFB)

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample:	MSQ505-BFB	**Injection Date:**	06/01/09
Lab File ID:	Q11260.D	**Injection Time:**	11:42
Instrument ID:	GCMSQ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	57098	25.8		Pass
75	30.0 - 66.0% of mass 95	129624	58.5		Pass
95	Base peak, 100% relative abundance	221589	100.0		Pass
96	5.0 - 9.0% of mass 95	14741	6.7		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	177834	80.3		Pass
175	4.0 - 9.0% of mass 174	9667	4.4	(5.4) [a]	Pass
176	93.0 - 101.0% of mass 174	175978	79.4	(99.0) [a]	Pass
177	5.0 - 9.0% of mass 176	11632	5.2	(6.6) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ505-ICC505	Q11260.D	06/01/09	11:42	00:00	Initial cal 10
MSQ505-IC505	Q11261.D	06/01/09	12:24	00:42	Initial cal 0.5
MSQ505-IC505	Q11262.D	06/01/09	13:06	01:24	Initial cal 0.2
MSQ505-IC505	Q11263.D	06/01/09	13:48	02:06	Initial cal 2
MSQ505-IC505	Q11264.D	06/01/09	14:30	02:48	Initial cal 5
MSQ505-IC505	Q11265.D	06/01/09	15:11	03:29	Initial cal 20
MSQ505-IC505	Q11266.D	06/01/09	15:55	04:13	Initial cal 40
MSQ505-ICV505	Q11267.D	06/01/09	17:27	05:45	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample:	MSQ505-BFB	**Injection Date:**	06/01/09
Lab File ID:	Q11267A.D	**Injection Time:**	17:27
Instrument ID:	GCMSQ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	13100	24.2		Pass
75	30.0 - 66.0% of mass 95	29728	55.0		Pass
95	Base peak, 100% relative abundance	54098	100.0		Pass
96	5.0 - 9.0% of mass 95	3599	6.7		Pass
173	Less than 2.0% of mass 174	493	0.91	(1.2) [a]	Pass
174	50.0 - 120.0% of mass 95	41408	76.5		Pass
175	4.0 - 9.0% of mass 174	2420	4.5	(5.8) [a]	Pass
176	93.0 - 101.0% of mass 174	40776	75.4	(98.5) [a]	Pass
177	5.0 - 9.0% of mass 176	2447	4.5	(6.0) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ505-CC505	Q11267A.D	06/01/09	17:27	00:00	Continuing cal 10
MSQ505-BS	Q11267B.D	06/01/09	17:27	00:00	Blank Spike
MSQ505-MB	Q11268.D	06/02/09	09:46	16:19	Method Blank
MSQ505-SCC	Q11268A.D	06/02/09	09:46	16:19	Summa Cleaning Certification
ZZZZZZ	Q11269.D	06/02/09	10:28	17:01	(unrelated sample)
ZZZZZZ	Q11270.D	06/02/09	11:14	17:47	(unrelated sample)
ZZZZZZ	Q11271.D	06/02/09	11:56	18:29	(unrelated sample)
M83136-1	Q11272.D	06/02/09	12:39	19:12	(used for QC only; not part of job M83561)
M83136-1DUP	Q11273.D	06/02/09	13:22	19:55	Duplicate
MSQ505-SCC	Q11274.D	06/02/09	14:06	20:39	Summa Cleaning Certification

Instrument Performance Check (BFB)

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample:	MSQ507-BFB	**Injection Date:**	06/04/09
Lab File ID:	Q11295.D	**Injection Time:**	09:24
Instrument ID:	GCMSQ		

5.5.3

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	35978	24.1		Pass
75	30.0 - 66.0% of mass 95	86226	57.8		Pass
95	Base peak, 100% relative abundance	149269	100.0		Pass
96	5.0 - 9.0% of mass 95	8958	6.0		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	126674	84.9		Pass
175	4.0 - 9.0% of mass 174	8520	5.7	(6.7) [a]	Pass
176	93.0 - 101.0% of mass 174	124136	83.2	(98.0) [a]	Pass
177	5.0 - 9.0% of mass 176	7747	5.2	(6.2) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ507-CC505	Q11295.D	06/04/09	09:24	00:00	Continuing cal 10
MSQ507-BS	Q11295A.D	06/04/09	09:24	00:00	Blank Spike
MSQ507-SCC	Q11296A.D	06/04/09	10:20	00:56	Summa Cleaning Certification
MSQ507-MB	Q11296.D	06/04/09	10:20	00:56	Method Blank
M83205-2	Q11297.D	06/04/09	11:08	01:44	(used for QC only; not part of job M83561)
ZZZZZZ	Q11298.D	06/04/09	11:51	02:27	(unrelated sample)
M83205-2DUP	Q11301.D	06/04/09	14:20	04:56	Duplicate
ZZZZZZ	Q11302.D	06/04/09	15:03	05:39	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ511-BFB
Lab File ID: Q11348.D
Instrument ID: GCMSQ
Injection Date: 06/15/09
Injection Time: 10:17

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	31541	27.5		Pass
75	30.0 - 66.0% of mass 95	68341	59.6		Pass
95	Base peak, 100% relative abundance	114602	100.0		Pass
96	5.0 - 9.0% of mass 95	8473	7.4		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	87997	76.8		Pass
175	4.0 - 9.0% of mass 174	5754	5.0	(6.5) [a]	Pass
176	93.0 - 101.0% of mass 174	82258	71.8	(93.5) [a]	Pass
177	5.0 - 9.0% of mass 176	5426	4.7	(6.6) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ511-IC511	Q11348.D	06/15/09	10:17	00:00	Initial cal 0.5
MSQ511-IC511	Q11349.D	06/15/09	10:59	00:42	Initial cal 0.2
MSQ511-IC511	Q11350.D	06/15/09	11:40	01:23	Initial cal 2
MSQ511-IC511	Q11351.D	06/15/09	12:21	02:04	Initial cal 5
MSQ511-ICC511	Q11352.D	06/15/09	13:03	02:46	Initial cal 10
MSQ511-IC511	Q11353.D	06/15/09	13:46	03:29	Initial cal 20
MSQ511-IC511	Q11354.D	06/15/09	14:31	04:14	Initial cal 40
MSQ511-ICV511	Q11356.D	06/15/09	16:07	05:50	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample:	MSQ511-BFB	**Injection Date:**	06/15/09
Lab File ID:	Q11356A.D	**Injection Time:**	16:07
Instrument ID:	GCMSQ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	52868	26.6		Pass
75	30.0 - 66.0% of mass 95	120006	60.4		Pass
95	Base peak, 100% relative abundance	198656	100.0		Pass
96	5.0 - 9.0% of mass 95	13812	7.0		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	153760	77.4		Pass
175	4.0 - 9.0% of mass 174	13523	6.8	(8.8) [a]	Pass
176	93.0 - 101.0% of mass 174	144848	72.9	(94.2) [a]	Pass
177	5.0 - 9.0% of mass 176	9804	4.9	(6.8) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ511-CC511	Q11356A.D	06/15/09	16:07	00:00	Continuing cal 10
MSQ511-BS	Q11356B.D	06/15/09	16:07	00:00	Blank Spike
MSQ511-MB	Q11357.D	06/15/09	17:01	00:54	Method Blank
M83493-2	Q11358.D	06/15/09	17:49	01:42	(used for QC only; not part of job M83561)
M83493-2DUP	Q11359.D	06/15/09	18:32	02:25	Duplicate
ZZZZZZ	Q11360.D	06/15/09	19:16	03:09	(unrelated sample)
ZZZZZZ	Q11361.D	06/15/09	20:00	03:53	(unrelated sample)
ZZZZZZ	Q11362.D	06/15/09	20:44	04:37	(unrelated sample)
ZZZZZZ	Q11363.D	06/15/09	21:28	05:21	(unrelated sample)
ZZZZZZ	Q11364.D	06/15/09	22:11	06:04	(unrelated sample)
ZZZZZZ	Q11365.D	06/15/09	22:55	06:48	(unrelated sample)
MSQ511-SCC	Q11366.D	06/16/09	09:27	17:20	Summa Cleaning Certification
ZZZZZZ	Q11367.D	06/16/09	10:13	18:06	(unrelated sample)
ZZZZZZ	Q11368.D	06/16/09	10:56	18:49	(unrelated sample)
ZZZZZZ	Q11369.D	06/16/09	11:40	19:33	(unrelated sample)
ZZZZZZ	Q11370.D	06/16/09	12:23	20:16	(unrelated sample)
ZZZZZZ	Q11371.D	06/16/09	13:07	21:00	(unrelated sample)
ZZZZZZ	Q11372.D	06/16/09	13:52	21:45	(unrelated sample)
ZZZZZZ	Q11373.D	06/16/09	14:35	22:28	(unrelated sample)
ZZZZZZ	Q11374.D	06/16/09	15:18	23:11	(unrelated sample)
ZZZZZZ	Q11375.D	06/16/09	16:01	23:54	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample:	MSQ512-BFB	**Injection Date:**	06/17/09
Lab File ID:	Q11377.D	**Injection Time:**	09:00
Instrument ID:	GCMSQ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	31394	25.8		Pass
75	30.0 - 66.0% of mass 95	75817	62.4		Pass
95	Base peak, 100% relative abundance	121516	100.0		Pass
96	5.0 - 9.0% of mass 95	8744	7.2		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	94937	78.1		Pass
175	4.0 - 9.0% of mass 174	4288	3.5	(4.5) [a]	Pass
176	93.0 - 101.0% of mass 174	91978	75.7	(96.9) [a]	Pass
177	5.0 - 9.0% of mass 176	7016	5.8	(7.6) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ512-CC511	Q11377.D	06/17/09	09:00	00:00	Continuing cal 10
MSQ512-BS	Q11377A.D	06/17/09	09:00	00:00	Blank Spike
MSQ512-MB	Q11378.D	06/17/09	09:54	00:54	Method Blank
ZZZZZZ	Q11379.D	06/17/09	10:40	01:40	(unrelated sample)
ZZZZZZ	Q11380.D	06/17/09	11:23	02:23	(unrelated sample)
ZZZZZZ	Q11381.D	06/17/09	12:04	03:04	(unrelated sample)
ZZZZZZ	Q11382.D	06/17/09	12:46	03:46	(unrelated sample)
ZZZZZZ	Q11383.D	06/17/09	13:27	04:27	(unrelated sample)
ZZZZZZ	Q11384.D	06/17/09	14:11	05:11	(unrelated sample)
M83561-1	Q11385.D	06/17/09	14:53	05:53	SGP-2
M83561-2	Q11386.D	06/17/09	15:36	06:36	SGP-4
M83561-3	Q11387.D	06/17/09	16:17	07:17	SGP-6
M83561-4DUP	Q11388.D	06/17/09	16:58	07:58	Duplicate
M83561-5	Q11389.D	06/17/09	17:41	08:41	SGP-11
M83561-4	Q11391.D	06/17/09	19:05	10:05	SGP-9
M83561-3	Q11392.D	06/17/09	19:49	10:49	SGP-6
M83561-1	Q11393.D	06/17/09	20:31	11:31	SGP-2
M83561-2	Q11394.D	06/17/09	21:13	12:13	SGP-4
M83561-4	Q11395.D	06/17/09	21:56	12:56	SGP-9
M83561-5	Q11396.D	06/17/09	22:38	13:38	SGP-11
ZZZZZZ	Q11397.D	06/17/09	23:20	14:20	(unrelated sample)
ZZZZZZ	Q11398.D	06/18/09	00:02	15:02	(unrelated sample)
ZZZZZZ	Q11399.D	06/18/09	00:45	15:45	(unrelated sample)
ZZZZZZ	Q11400.D	06/18/09	01:27	16:27	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample:	MSQ512-BFB	**Injection Date:**	06/17/09
Lab File ID:	Q11377.D	**Injection Time:**	09:00
Instrument ID:	GCMSQ		

5.5.6

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	Q11401.D	06/18/09	02:11	17:11	(unrelated sample)
ZZZZZZ	Q11402.D	06/18/09	02:54	17:54	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample:	MSQ513-BFB	**Injection Date:**	06/19/09
Lab File ID:	Q11407.D	**Injection Time:**	09:35
Instrument ID:	GCMSQ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	50106	25.8		Pass
75	30.0 - 66.0% of mass 95	123136	63.4		Pass
95	Base peak, 100% relative abundance	194282	100.0		Pass
96	5.0 - 9.0% of mass 95	14129	7.3		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	155136	79.9		Pass
175	4.0 - 9.0% of mass 174	8053	4.1	(5.2) [a]	Pass
176	93.0 - 101.0% of mass 174	151552	78.0	(97.7) [a]	Pass
177	5.0 - 9.0% of mass 176	10194	5.2	(6.7) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ513-IC513	Q11407.D	06/19/09	09:35	00:00	Initial cal 0.5
MSQ513-IC513	Q11408.D	06/19/09	10:17	00:42	Initial cal 0.2
MSQ513-IC513	Q11409.D	06/19/09	10:58	01:23	Initial cal 2
MSQ513-IC513	Q11410.D	06/19/09	11:41	02:06	Initial cal 5
MSQ513-ICC513	Q11411.D	06/19/09	12:23	02:48	Initial cal 10
MSQ513-IC513	Q11412.D	06/19/09	13:06	03:31	Initial cal 20
MSQ513-IC513	Q11415.D	06/19/09	16:15	06:40	Initial cal 40

Instrument Performance Check (BFB)

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample:	MSQ513-BFB	**Injection Date:**	06/22/09
Lab File ID:	Q11417.D	**Injection Time:**	08:53
Instrument ID:	GCMSQ		

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	51901	26.5		Pass
75	30.0 - 66.0% of mass 95	121648	62.2		Pass
95	Base peak, 100% relative abundance	195690	100.0		Pass
96	5.0 - 9.0% of mass 95	12221	6.2		Pass
173	Less than 2.0% of mass 174	0	0.0	(0.0) [a]	Pass
174	50.0 - 120.0% of mass 95	145792	74.5		Pass
175	4.0 - 9.0% of mass 174	7968	4.1	(5.5) [a]	Pass
176	93.0 - 101.0% of mass 174	144106	73.6	(98.8) [a]	Pass
177	5.0 - 9.0% of mass 176	8117	4.1	(5.6) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
MSQ513-CC513	Q11417.D	06/22/09	08:53	00:00	Continuing cal 10
MSQ513-ICV513	Q11417A.D	06/22/09	08:53	00:00	Initial cal verification 10
MSQ513-BS	Q11417B.D	06/22/09	08:53	00:00	Blank Spike
MSQ513-MB	Q11418.D	06/22/09	09:47	00:54	Method Blank
MSQ513-SCC	Q11418A.D	06/22/09	09:47	00:54	Summa Cleaning Certification
MSQ513-SCC	Q11419.D	06/22/09	10:32	01:39	Summa Cleaning Certification
MSQ513-SCC	Q11420.D	06/22/09	11:18	02:25	Summa Cleaning Certification
ZZZZZZ	Q11422.D	06/22/09	12:41	03:48	(unrelated sample)
M83561-6	Q11423.D	06/22/09	13:28	04:35	SGP-12
ZZZZZZ	Q11424.D	06/22/09	14:12	05:19	(unrelated sample)
ZZZZZZ	Q11425.D	06/22/09	14:54	06:01	(unrelated sample)
ZZZZZZ	Q11426.D	06/22/09	15:36	06:43	(unrelated sample)
M83561-6DUP	Q11427.D	06/22/09	16:18	07:25	Duplicate
ZZZZZZ	Q11428.D	06/22/09	17:00	08:07	(unrelated sample)
ZZZZZZ	Q11429.D	06/22/09	17:42	08:49	(unrelated sample)

Volatile Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Check Std:	MSQ505-CC505	**Injection Date:**	06/01/09
Lab File ID:	Q11267A.D	**Injection Time:**	17:27
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	220950	9.28	1021595	11.08	862841	15.31
Upper Limit [a]	309330	9.61	1430233	11.41	1207977	15.64
Lower Limit [b]	132570	8.95	612957	10.75	517705	14.98

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ505-BS	220950	9.28	1021595	11.08	862841	15.31
MSQ505-MB	179076	9.28	901268	11.08	739182	15.31
MSQ505-SCC	179076	9.28	901268	11.08	739182	15.31
ZZZZZZ	193906	9.28	950403	11.08	825912	15.31
ZZZZZZ	254190	9.29	1243291	11.08	1082471	15.31
ZZZZZZ	251851	9.28	1176483	11.08	1004034	15.31
M83136-1	232388	9.28	1108788	11.08	949768	15.31
M83136-1DUP	222753	9.28	1047596	11.08	907629	15.31
MSQ505-SCC	239228	9.28	1117606	11.08	940320	15.31

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Check Std:	MSQ507-CC505	**Injection Date:**	06/04/09
Lab File ID:	Q11295.D	**Injection Time:**	09:24
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	162676	9.28	809921	11.08	709549	15.31
Upper Limit [a]	227746	9.61	1133889	11.41	993369	15.64
Lower Limit [b]	97606	8.95	485953	10.75	425729	14.98

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ507-BS	162676	9.28	809921	11.08	709549	15.31
MSQ507-SCC	213633	9.28	1124139	11.08	924510	15.31
MSQ507-MB	213633	9.28	1124139	11.08	924510	15.31
M83205-2	159444	9.28	786139	11.08	658698	15.31
ZZZZZZ	179789	9.31	992221	11.12	1175243[c]	15.33
M83205-2DUP	231111[c]	9.28	1216607[c]	11.08	1042607[c]	15.31
ZZZZZZ	230075[c]	9.28	1201139[c]	11.08	1031585[c]	15.31

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

Volatile Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Check Std:	MSQ511-CC511	**Injection Date:**	06/15/09
Lab File ID:	Q11356A.D	**Injection Time:**	16:07
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	186452	9.29	888828	11.08	767116	15.31
Upper Limit [a]	261033	9.62	1244359	11.41	1073962	15.64
Lower Limit [b]	111871	8.96	533297	10.75	460270	14.98

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ511-BS	186452	9.29	888828	11.08	767116	15.31
MSQ511-MB	171504	9.28	796243	11.08	645367	15.30
M83493-2	181454	9.29	933139	11.08	854240	15.31
M83493-2DUP	174042	9.29	850407	11.08	730169	15.31
ZZZZZZ	161744	9.30	798131	11.08	670967	15.31
ZZZZZZ	170775	9.29	855488	11.09	723090	15.31
ZZZZZZ	171483	9.30	847560	11.09	727962	15.31
ZZZZZZ	181124	9.28	887041	11.08	729601	15.31
ZZZZZZ	180838	9.28	901194	11.08	755622	15.31
ZZZZZZ	189515	9.28	979482	11.08	837225	15.31
MSQ511-SCC	165211	9.27	791744	11.08	654956	15.30
ZZZZZZ	175330	9.28	871803	11.08	791205	15.31
ZZZZZZ	239294	9.28	1167457	11.08	971548	15.31
ZZZZZZ	215949	9.28	971134	11.08	824771	15.31
ZZZZZZ	224132	9.28	1043091	11.08	854758	15.31
ZZZZZZ	206896	9.28	1002060	11.08	836633	15.31
ZZZZZZ	200702	9.29	971476	11.08	828712	15.31
ZZZZZZ	206125	9.28	1040000	11.08	886248	15.31
ZZZZZZ	190021	9.28	938817	11.08	797043	15.31
ZZZZZZ	188141	9.28	942705	11.08	802403	15.31

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Volatile Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Check Std:	MSQ512-CC511	**Injection Date:**	06/17/09
Lab File ID:	Q11377.D	**Injection Time:**	09:00
Instrument ID:	GCMSQ	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	193737	9.28	832765	11.08	714780	15.31
Upper Limit [a]	271232	9.61	1165871	11.41	1000692	15.64
Lower Limit [b]	116242	8.95	499659	10.75	428868	14.98

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
MSQ512-BS	193737	9.28	832765	11.08	714780	15.31
MSQ512-MB	212958	9.28	1106786	11.08	871043	15.31
ZZZZZZ	148074	9.29	645139	11.08	530376	15.31
ZZZZZZ	144553	9.28	699874	11.08	575676	15.30
ZZZZZZ	142558	9.28	709653	11.08	586864	15.31
ZZZZZZ	118189	9.28	574955	11.08	471852	15.31
ZZZZZZ	161331	9.28	787827	11.08	660352	15.31
ZZZZZZ	122589	9.28	581110	11.08	466599	15.30
M83561-1	170721	9.29	887802	11.09	743475	15.31
M83561-2	121733	9.29	608767	11.08	520055	15.31
M83561-3	144987	9.28	704778	11.08	589053	15.31
M83561-4DUP	108359[c]	9.29	536946	11.08	451863	15.31
M83561-5	128023	9.29	660249	11.09	536436	15.32
M83561-4	124726	9.29	625468	11.09	526266	15.31
M83561-3	129627	9.29	660438	11.08	565393	15.31
M83561-1	122372	9.28	582322	11.08	478901	15.31
M83561-2	136221	9.28	655233	11.08	548072	15.30
M83561-4	127454	9.28	630632	11.08	531017	15.31
M83561-5	117966	9.28	554367	11.08	465651	15.31
ZZZZZZ	109865[c]	9.28	530704	11.08	453232	15.31
ZZZZZZ	123781	9.29	585156	11.08	480776	15.31
ZZZZZZ	122838	9.28	622668	11.08	528585	15.31
ZZZZZZ	120249	9.29	607848	11.08	517255	15.31
ZZZZZZ	114214[c]	9.28	554089	11.08	466998	15.31
ZZZZZZ	113897[c]	9.28	527282	11.08	439768	15.31

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) Outside control limits due to possible matrix interference. Confirmed by reanalysis.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ505-ICC505	Q11260.D	06/01/09 11:42	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ505-IC505	Q11261.D	06/01/09 12:24	DFT	0.5	GCMSQ	TO-15	
MSQ505-IC505	Q11262.D	06/01/09 13:06	DFT	0.2	GCMSQ	TO-15	
MSQ505-IC505	Q11263.D	06/01/09 13:48	DFT	2	GCMSQ	TO-15	
MSQ505-IC505	Q11264.D	06/01/09 14:30	DFT	5	GCMSQ	TO-15	
MSQ505-IC505	Q11265.D	06/01/09 15:11	DFT	20	GCMSQ	TO-15	
MSQ505-IC505	Q11266.D	06/01/09 15:55	DFT	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.24	9.28	0.672	ok	0.673	0.613-0.733
1,3-Butadiene	5.14	9.28	0.554	ok	0.554	0.494-0.614
Benzene	10.79	11.08	0.974	ok	0.973	0.913-1.033
Bromodichloromethane	11.73	11.08	1.059	ok	1.059	0.999-1.119
Bromoform	16.03	15.31	1.047	ok	1.047	0.987-1.107
Bromomethane	5.44	9.28	0.586	ok	0.587	0.527-0.647
Bromoethene	6.00	9.28	0.647	ok	0.647	0.587-0.707
Benzyl Chloride	18.44	15.31	1.204	ok	1.204	1.144-1.264
Carbon disulfide	7.53	9.28	0.811	ok	0.812	0.752-0.872
Chlorobenzene	15.36	15.31	1.003	ok	1.003	0.943-1.063
Chloroethane	5.63	9.28	0.607	ok	0.607	0.547-0.667
Chloroform	9.40	9.28	1.013	ok	1.013	0.953-1.073
Chloromethane	4.74	9.28	0.511	ok	0.511	0.451-0.571
3-Chloropropene	7.32	9.28	0.789	ok	0.789	0.729-0.849
2-Chlorotoluene	17.58	15.31	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.93	9.28	1.178	ok	1.177	1.117-1.237
Cyclohexane	11.06	11.08	0.998	ok	0.998	0.938-1.058
1,1-Dichloroethane	8.32	9.28	0.897	ok	0.897	0.837-0.957
1,1-Dichloroethylene	7.09	9.28	0.764	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.22	15.31	0.929	ok	0.928	0.868-0.988
1,2-Dichloroethane	10.10	9.28	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.55	11.08	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.75	11.08	1.060	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.55	9.28	0.490	ok	0.490	0.430-0.550
Dibromochloromethane	13.96	15.31	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.13	9.28	0.876	ok	0.876	0.816-0.936
cis-1,2-Dichloroethylene	9.12	9.28	0.983	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.58	11.08	1.135	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.47	15.31	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.92	15.31	1.236	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.54	15.31	1.211	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.07	11.08	1.180	ok	1.179	1.119-1.239
Ethanol	5.73	9.28	0.617	ok	0.618	0.558-0.678
Ethylbenzene	15.73	15.31	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.30	9.28	1.002	ok	1.002	0.942-1.062
4-Ethyltoluene	17.75	15.31	1.159	ok	1.159	1.099-1.219
Freon 113	7.46	9.28	0.804	ok	0.804	0.744-0.864
Freon 114	4.85	9.28	0.523	ok	0.523	0.463-0.583
Heptane	12.02	11.08	1.085	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.26	15.31	1.389	ok	1.388	1.328-1.448
Hexane	9.31	9.28	1.003	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ505-ICC505	Q11260.D	06/01/09 11:42	DFT	10	GCMSQ	TO-15	
MSQ505-IC505	Q11261.D	06/01/09 12:24	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ505-IC505	Q11262.D	06/01/09 13:06	DFT	0.2	GCMSQ	TO-15	
MSQ505-IC505	Q11263.D	06/01/09 13:48	DFT	2	GCMSQ	TO-15	
MSQ505-IC505	Q11264.D	06/01/09 14:30	DFT	5	GCMSQ	TO-15	
MSQ505-IC505	Q11265.D	06/01/09 15:11	DFT	20	GCMSQ	TO-15	
MSQ505-IC505	Q11266.D	06/01/09 15:55	DFT	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.25	9.28	0.673	ok	0.673	0.613-0.733
1,3-Butadiene	5.14	9.28	0.554	ok	0.554	0.494-0.614
Benzene	10.79	11.08	0.974	ok	0.973	0.913-1.033
Bromodichloromethane	11.73	11.08	1.059	ok	1.059	0.999-1.119
Bromoform	16.03	15.31	1.047	ok	1.047	0.987-1.107
Bromomethane	5.44	9.28	0.586	ok	0.587	0.527-0.647
Bromoethene	6.00	9.28	0.647	ok	0.647	0.587-0.707
Benzyl Chloride	18.44	15.31	1.204	ok	1.204	1.144-1.264
Carbon disulfide	7.53	9.28	0.811	ok	0.812	0.752-0.872
Chlorobenzene	15.35	15.31	1.003	ok	1.003	0.943-1.063
Chloroethane	5.63	9.28	0.607	ok	0.607	0.547-0.667
Chloroform	9.40	9.28	1.013	ok	1.013	0.953-1.073
Chloromethane	4.73	9.28	0.510	ok	0.511	0.451-0.571
3-Chloropropene	7.32	9.28	0.789	ok	0.789	0.729-0.849
2-Chlorotoluene	17.58	15.31	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.93	9.28	1.178	ok	1.177	1.117-1.237
Cyclohexane	11.06	11.08	0.998	ok	0.998	0.938-1.058
1,1-Dichloroethane	8.32	9.28	0.897	ok	0.897	0.837-0.957
1,1-Dichloroethylene	7.10	9.28	0.765	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.21	15.31	0.928	ok	0.928	0.868-0.988
1,2-Dichloroethane	10.10	9.28	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.55	11.08	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.77	11.08	1.062	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.55	9.28	0.490	ok	0.490	0.430-0.550
Dibromochloromethane	13.96	15.31	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.13	9.28	0.876	ok	0.876	0.816-0.936
cis-1,2-Dichloroethylene	9.12	9.28	0.983	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.57	11.08	1.134	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.47	15.31	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.92	15.31	1.236	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.54	15.31	1.211	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.06	11.08	1.179	ok	1.179	1.119-1.239
Ethanol	5.74	9.28	0.619	ok	0.618	0.558-0.678
Ethylbenzene	15.72	15.31	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.30	9.28	1.002	ok	1.002	0.942-1.062
4-Ethyltoluene	17.75	15.31	1.159	ok	1.159	1.099-1.219
Freon 113	7.46	9.28	0.804	ok	0.804	0.744-0.864
Freon 114	4.84	9.28	0.522	ok	0.523	0.463-0.583
Heptane	12.01	11.08	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.25	15.31	1.388	ok	1.388	1.328-1.448
Hexane	9.31	9.28	1.003	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ505-ICC505	Q11260.D	06/01/09 11:42	DFT	10	GCMSQ	TO-15	
MSQ505-IC505	Q11261.D	06/01/09 12:24	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ505-IC505	Q11262.D	06/01/09 13:06	DFT	0.2	GCMSQ	TO-15	
MSQ505-IC505	Q11263.D	06/01/09 13:48	DFT	2	GCMSQ	TO-15	
MSQ505-IC505	Q11264.D	06/01/09 14:30	DFT	5	GCMSQ	TO-15	
MSQ505-IC505	Q11265.D	06/01/09 15:11	DFT	20	GCMSQ	TO-15	
MSQ505-IC505	Q11266.D	06/01/09 15:55	DFT	40	GCMSQ	TO-15	

5.7.1

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Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.74	15.31	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	17.04	15.31	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.48	9.28	0.698	ok	0.698	0.638-0.758
Methylene chloride	7.19	9.28	0.775	ok	0.776	0.716-0.836
Methyl ethyl ketone	8.68	9.28	0.935	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.58	11.08	1.135	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.37	9.28	0.902	ok	0.901	0.841-0.961
Nonane	16.60	15.31	1.084	ok	1.084	1.024-1.144
Pentane	6.80	9.28	0.733	ok	0.733	0.673-0.793
Propylene	4.47	9.28	0.482	ok	0.481	0.421-0.541
Styrene	16.30	15.31	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.35	9.28	1.115	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.41	15.31	1.072	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.25	11.08	1.196	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.78	15.31	1.357	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.28	15.31	1.194	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.82	15.31	1.164	ok	1.164	1.104-1.224
2,2,4-Trimethylpentane	11.78	11.08	1.063	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.09	9.28	0.764	ok	0.764	0.704-0.824
Tetrachloroethylene	14.66	15.31	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.79	9.28	1.055	ok	1.054	0.994-1.114
Toluene	13.53	11.08	1.221	ok	1.221	1.161-1.281
Trichloroethylene	11.76	11.08	1.061	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.44	9.28	0.694	ok	0.694	0.634-0.754
Vinyl chloride	4.99	9.28	0.538	ok	0.538	0.478-0.598
Vinyl Acetate	8.43	9.28	0.908	ok	0.909	0.849-0.969
m,p-Xylene	15.91	15.31	1.039	ok	1.039	0.979-1.099
o-Xylene	16.42	15.31	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.29	8.96-9.62	291530	ok	251596	150958-352234
1,4-Difluorobenzene	11.08	ok	11.08	10.75-11.41	1301201	ok	1130248	678149-1582347
Chlorobenzene-D5	15.31	ok	15.31	14.98-15.64	1127548	ok	987857	592714-1383000

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ505-ICC505	Q11260.D	06/01/09 11:42	DFT	10	GCMSQ	TO-15	
MSQ505-IC505	Q11261.D	06/01/09 12:24	DFT	0.5	GCMSQ	TO-15	
MSQ505-IC505	Q11262.D	06/01/09 13:06	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ505-IC505	Q11263.D	06/01/09 13:48	DFT	2	GCMSQ	TO-15	
MSQ505-IC505	Q11264.D	06/01/09 14:30	DFT	5	GCMSQ	TO-15	
MSQ505-IC505	Q11265.D	06/01/09 15:11	DFT	20	GCMSQ	TO-15	
MSQ505-IC505	Q11266.D	06/01/09 15:55	DFT	40	GCMSQ	TO-15	

5.7.1

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Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.26	9.28	0.675	ok	0.673	0.613-0.733
1,3-Butadiene	5.14	9.28	0.554	ok	0.554	0.494-0.614
Benzene	10.79	11.08	0.974	ok	0.973	0.913-1.033
Bromodichloromethane	11.73	11.08	1.059	ok	1.059	0.999-1.119
Bromoform	16.03	15.31	1.047	ok	1.047	0.987-1.107
Bromomethane	5.44	9.28	0.586	ok	0.587	0.527-0.647
Bromoethene	6.00	9.28	0.647	ok	0.647	0.587-0.707
Benzyl Chloride	18.44	15.31	1.204	ok	1.204	1.144-1.264
Carbon disulfide	7.53	9.28	0.811	ok	0.812	0.752-0.872
Chlorobenzene	15.35	15.31	1.003	ok	1.003	0.943-1.063
Chloroethane	5.63	9.28	0.607	ok	0.607	0.547-0.667
Chloroform	9.40	9.28	1.013	ok	1.013	0.953-1.073
Chloromethane	4.74	9.28	0.511	ok	0.511	0.451-0.571
3-Chloropropene	7.33	9.28	0.790	ok	0.789	0.729-0.849
2-Chlorotoluene	17.58	15.31	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.92	9.28	1.177	ok	1.177	1.117-1.237
Cyclohexane	11.05	11.08	0.997	ok	0.998	0.938-1.058
1,1-Dichloroethane	8.33	9.28	0.898	ok	0.897	0.837-0.957
1,1-Dichloroethylene	7.08	9.28	0.763	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.22	15.31	0.929	ok	0.928	0.868-0.988
1,2-Dichloroethane	10.10	9.28	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.54	11.08	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.78	11.08	1.063	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.55	9.28	0.490	ok	0.490	0.430-0.550
Dibromochloromethane	13.96	15.31	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.13	9.28	0.876	ok	0.876	0.816-0.936
cis-1,2-Dichloroethylene	9.12	9.28	0.983	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.58	11.08	1.135	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.46	15.31	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.91	15.31	1.235	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.54	15.31	1.211	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.07	11.08	1.180	ok	1.179	1.119-1.239
Ethanol	5.76	9.28	0.621	ok	0.618	0.558-0.678
Ethylbenzene	15.73	15.31	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.31	9.28	1.003	ok	1.002	0.942-1.062
4-Ethyltoluene	17.75	15.31	1.159	ok	1.159	1.099-1.219
Freon 113	7.45	9.28	0.803	ok	0.804	0.744-0.864
Freon 114	4.85	9.28	0.523	ok	0.523	0.463-0.583
Heptane	12.01	11.08	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.26	15.31	1.389	ok	1.388	1.328-1.448
Hexane	9.31	9.28	1.003	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ505-ICC505	Q11260.D	06/01/09 11:42	DFT	10	GCMSQ	TO-15	
MSQ505-IC505	Q11261.D	06/01/09 12:24	DFT	0.5	GCMSQ	TO-15	
MSQ505-IC505	Q11262.D	06/01/09 13:06	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ505-IC505	Q11263.D	06/01/09 13:48	DFT	2	GCMSQ	TO-15	
MSQ505-IC505	Q11264.D	06/01/09 14:30	DFT	5	GCMSQ	TO-15	
MSQ505-IC505	Q11265.D	06/01/09 15:11	DFT	20	GCMSQ	TO-15	
MSQ505-IC505	Q11266.D	06/01/09 15:55	DFT	40	GCMSQ	TO-15	

5.7.1

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.75	15.31	0.898	ok	0.898	0.838-0.958
Isopropylbenzene	17.05	15.31	1.114	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.50	9.28	0.700	ok	0.698	0.638-0.758
Methylene chloride	7.20	9.28	0.776	ok	0.776	0.716-0.836
Methyl ethyl ketone	8.70	9.28	0.938	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.59	11.08	1.136	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.37	9.28	0.902	ok	0.901	0.841-0.961
Nonane	16.60	15.31	1.084	ok	1.084	1.024-1.144
Pentane	6.80	9.28	0.733	ok	0.733	0.673-0.793
Propylene	4.47	9.28	0.482	ok	0.481	0.421-0.541
Styrene	16.29	15.31	1.064	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.35	9.28	1.115	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.41	15.31	1.072	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.25	11.08	1.196	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.78	15.31	1.357	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.28	15.31	1.194	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.83	15.31	1.165	ok	1.164	1.104-1.224
2,2,4-Trimethylpentane	11.79	11.08	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.11	9.28	0.766	ok	0.764	0.704-0.824
Tetrachloroethylene	14.66	15.31	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.81	9.28	1.057	ok	1.054	0.994-1.114
Toluene	13.54	11.08	1.222	ok	1.221	1.161-1.281
Trichloroethylene	11.77	11.08	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.44	9.28	0.694	ok	0.694	0.634-0.754
Vinyl chloride	4.99	9.28	0.538	ok	0.538	0.478-0.598
Vinyl Acetate	8.44	9.28	0.909	ok	0.909	0.849-0.969
m,p-Xylene	15.89	15.31	1.038	ok	1.039	0.979-1.099
o-Xylene	16.42	15.31	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.29	8.96-9.62	263046	ok	251596	150958-352234
1,4-Difluorobenzene	11.08	ok	11.08	10.75-11.41	1208434	ok	1130248	678149-1582347
Chlorobenzene-D5	15.31	ok	15.31	14.98-15.64	1028145	ok	987857	592714-1383000

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ505-ICC505	Q11260.D	06/01/09 11:42	DFT	10	GCMSQ	TO-15	
MSQ505-IC505	Q11261.D	06/01/09 12:24	DFT	0.5	GCMSQ	TO-15	
MSQ505-IC505	Q11262.D	06/01/09 13:06	DFT	0.2	GCMSQ	TO-15	
MSQ505-IC505	Q11263.D	06/01/09 13:48	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ505-IC505	Q11264.D	06/01/09 14:30	DFT	5	GCMSQ	TO-15	
MSQ505-IC505	Q11265.D	06/01/09 15:11	DFT	20	GCMSQ	TO-15	
MSQ505-IC505	Q11266.D	06/01/09 15:55	DFT	40	GCMSQ	TO-15	

5.7.1

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.25	9.28	0.673	ok	0.673	0.613-0.733
1,3-Butadiene	5.14	9.28	0.554	ok	0.554	0.494-0.614
Benzene	10.78	11.08	0.973	ok	0.973	0.913-1.033
Bromodichloromethane	11.73	11.08	1.059	ok	1.059	0.999-1.119
Bromoform	16.03	15.31	1.047	ok	1.047	0.987-1.107
Bromomethane	5.45	9.28	0.587	ok	0.587	0.527-0.647
Bromoethene	6.00	9.28	0.647	ok	0.647	0.587-0.707
Benzyl Chloride	18.44	15.31	1.204	ok	1.204	1.144-1.264
Carbon disulfide	7.54	9.28	0.812	ok	0.812	0.752-0.872
Chlorobenzene	15.35	15.31	1.003	ok	1.003	0.943-1.063
Chloroethane	5.62	9.28	0.606	ok	0.607	0.547-0.667
Chloroform	9.40	9.28	1.013	ok	1.013	0.953-1.073
Chloromethane	4.74	9.28	0.511	ok	0.511	0.451-0.571
3-Chloropropene	7.32	9.28	0.789	ok	0.789	0.729-0.849
2-Chlorotoluene	17.58	15.31	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.93	9.28	1.178	ok	1.177	1.117-1.237
Cyclohexane	11.05	11.08	0.997	ok	0.998	0.938-1.058
1,1-Dichloroethane	8.32	9.28	0.897	ok	0.897	0.837-0.957
1,1-Dichloroethylene	7.09	9.28	0.764	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.21	15.31	0.928	ok	0.928	0.868-0.988
1,2-Dichloroethane	10.10	9.28	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.55	11.08	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.77	11.08	1.062	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.55	9.28	0.490	ok	0.490	0.430-0.550
Dibromochloromethane	13.96	15.31	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.13	9.28	0.876	ok	0.876	0.816-0.936
cis-1,2-Dichloroethylene	9.12	9.28	0.983	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.58	11.08	1.135	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.47	15.31	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.91	15.31	1.235	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.54	15.31	1.211	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.07	11.08	1.180	ok	1.179	1.119-1.239
Ethanol	5.76	9.28	0.621	ok	0.618	0.558-0.678
Ethylbenzene	15.73	15.31	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.30	9.28	1.002	ok	1.002	0.942-1.062
4-Ethyltoluene	17.75	15.31	1.159	ok	1.159	1.099-1.219
Freon 113	7.46	9.28	0.804	ok	0.804	0.744-0.864
Freon 114	4.84	9.28	0.522	ok	0.523	0.463-0.583
Heptane	12.02	11.08	1.085	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.26	15.31	1.389	ok	1.388	1.328-1.448
Hexane	9.31	9.28	1.003	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ505-ICC505	Q11260.D	06/01/09 11:42	DFT	10	GCMSQ	TO-15	
MSQ505-IC505	Q11261.D	06/01/09 12:24	DFT	0.5	GCMSQ	TO-15	
MSQ505-IC505	Q11262.D	06/01/09 13:06	DFT	0.2	GCMSQ	TO-15	
MSQ505-IC505	Q11263.D	06/01/09 13:48	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ505-IC505	Q11264.D	06/01/09 14:30	DFT	5	GCMSQ	TO-15	
MSQ505-IC505	Q11265.D	06/01/09 15:11	DFT	20	GCMSQ	TO-15	
MSQ505-IC505	Q11266.D	06/01/09 15:55	DFT	40	GCMSQ	TO-15	

5.7.1

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.74	15.31	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	17.04	15.31	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.49	9.28	0.699	ok	0.698	0.638-0.758
Methylene chloride	7.20	9.28	0.776	ok	0.776	0.716-0.836
Methyl ethyl ketone	8.69	9.28	0.936	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.59	11.08	1.136	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.36	9.28	0.901	ok	0.901	0.841-0.961
Nonane	16.60	15.31	1.084	ok	1.084	1.024-1.144
Pentane	6.81	9.28	0.734	ok	0.733	0.673-0.793
Propylene	4.46	9.28	0.481	ok	0.481	0.421-0.541
Styrene	16.30	15.31	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.35	9.28	1.115	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.41	15.31	1.072	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.25	11.08	1.196	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.78	15.31	1.357	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.28	15.31	1.194	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.82	15.31	1.164	ok	1.164	1.104-1.224
2,2,4-Trimethylpentane	11.79	11.08	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.11	9.28	0.766	ok	0.764	0.704-0.824
Tetrachloroethylene	14.66	15.31	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.79	9.28	1.055	ok	1.054	0.994-1.114
Toluene	13.53	11.08	1.221	ok	1.221	1.161-1.281
Trichloroethylene	11.77	11.08	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.44	9.28	0.694	ok	0.694	0.634-0.754
Vinyl chloride	4.99	9.28	0.538	ok	0.538	0.478-0.598
Vinyl Acetate	8.43	9.28	0.908	ok	0.909	0.849-0.969
m,p-Xylene	15.91	15.31	1.039	ok	1.039	0.979-1.099
o-Xylene	16.42	15.31	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.29	8.96-9.62	217922	ok	251596	150958-352234
1,4-Difluorobenzene	11.08	ok	11.08	10.75-11.41	1030069	ok	1130248	678149-1582347
Chlorobenzene-D5	15.31	ok	15.31	14.98-15.64	903993	ok	987857	592714-1383000

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ505-ICC505	Q11260.D	06/01/09 11:42	DFT	10	GCMSQ	TO-15	
MSQ505-IC505	Q11261.D	06/01/09 12:24	DFT	0.5	GCMSQ	TO-15	
MSQ505-IC505	Q11262.D	06/01/09 13:06	DFT	0.2	GCMSQ	TO-15	
MSQ505-IC505	Q11263.D	06/01/09 13:48	DFT	2	GCMSQ	TO-15	
MSQ505-IC505	Q11264.D	06/01/09 14:30	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ505-IC505	Q11265.D	06/01/09 15:11	DFT	20	GCMSQ	TO-15	
MSQ505-IC505	Q11266.D	06/01/09 15:55	DFT	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.24	9.28	0.672	ok	0.673	0.613-0.733
1,3-Butadiene	5.14	9.28	0.554	ok	0.554	0.494-0.614
Benzene	10.78	11.08	0.973	ok	0.973	0.913-1.033
Bromodichloromethane	11.73	11.08	1.059	ok	1.059	0.999-1.119
Bromoform	16.03	15.31	1.047	ok	1.047	0.987-1.107
Bromomethane	5.44	9.28	0.586	ok	0.587	0.527-0.647
Bromoethene	6.00	9.28	0.647	ok	0.647	0.587-0.707
Benzyl Chloride	18.44	15.31	1.204	ok	1.204	1.144-1.264
Carbon disulfide	7.53	9.28	0.811	ok	0.812	0.752-0.872
Chlorobenzene	15.35	15.31	1.003	ok	1.003	0.943-1.063
Chloroethane	5.63	9.28	0.607	ok	0.607	0.547-0.667
Chloroform	9.40	9.28	1.013	ok	1.013	0.953-1.073
Chloromethane	4.74	9.28	0.511	ok	0.511	0.451-0.571
3-Chloropropene	7.33	9.28	0.790	ok	0.789	0.729-0.849
2-Chlorotoluene	17.57	15.31	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.93	9.28	1.178	ok	1.177	1.117-1.237
Cyclohexane	11.05	11.08	0.997	ok	0.998	0.938-1.058
1,1-Dichloroethane	8.32	9.28	0.897	ok	0.897	0.837-0.957
1,1-Dichloroethylene	7.09	9.28	0.764	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.21	15.31	0.928	ok	0.928	0.868-0.988
1,2-Dichloroethane	10.10	9.28	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.55	11.08	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.74	11.08	1.060	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.55	9.28	0.490	ok	0.490	0.430-0.550
Dibromochloromethane	13.96	15.31	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.12	9.28	0.875	ok	0.876	0.816-0.936
cis-1,2-Dichloroethylene	9.12	9.28	0.983	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.57	11.08	1.134	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.46	15.31	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.91	15.31	1.235	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.53	15.31	1.210	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.06	11.08	1.179	ok	1.179	1.119-1.239
Ethanol	5.72	9.28	0.616	ok	0.618	0.558-0.678
Ethylbenzene	15.73	15.31	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.29	9.28	1.001	ok	1.002	0.942-1.062
4-Ethyltoluene	17.75	15.31	1.159	ok	1.159	1.099-1.219
Freon 113	7.46	9.28	0.804	ok	0.804	0.744-0.864
Freon 114	4.84	9.28	0.522	ok	0.523	0.463-0.583
Heptane	12.01	11.08	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.26	15.31	1.389	ok	1.388	1.328-1.448
Hexane	9.31	9.28	1.003	ok	1.003	0.943-1.063

5.7.1

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ505-ICC505	Q11260.D	06/01/09 11:42	DFT	10	GCMSQ	TO-15	
MSQ505-IC505	Q11261.D	06/01/09 12:24	DFT	0.5	GCMSQ	TO-15	
MSQ505-IC505	Q11262.D	06/01/09 13:06	DFT	0.2	GCMSQ	TO-15	
MSQ505-IC505	Q11263.D	06/01/09 13:48	DFT	2	GCMSQ	TO-15	
MSQ505-IC505	Q11264.D	06/01/09 14:30	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ505-IC505	Q11265.D	06/01/09 15:11	DFT	20	GCMSQ	TO-15	
MSQ505-IC505	Q11266.D	06/01/09 15:55	DFT	40	GCMSQ	TO-15	

5.7.1

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.74	15.31	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	17.05	15.31	1.114	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.47	9.28	0.697	ok	0.698	0.638-0.758
Methylene chloride	7.20	9.28	0.776	ok	0.776	0.716-0.836
Methyl ethyl ketone	8.67	9.28	0.934	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.58	11.08	1.135	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.35	9.28	0.900	ok	0.901	0.841-0.961
Nonane	16.60	15.31	1.084	ok	1.084	1.024-1.144
Pentane	6.80	9.28	0.733	ok	0.733	0.673-0.793
Propylene	4.47	9.28	0.482	ok	0.481	0.421-0.541
Styrene	16.30	15.31	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.35	9.28	1.115	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.41	15.31	1.072	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.25	11.08	1.196	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.78	15.31	1.357	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.28	15.31	1.194	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.83	15.31	1.165	ok	1.164	1.104-1.224
2,2,4-Trimethylpentane	11.79	11.08	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.08	9.28	0.763	ok	0.764	0.704-0.824
Tetrachloroethylene	14.66	15.31	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.77	9.28	1.053	ok	1.054	0.994-1.114
Toluene	13.53	11.08	1.221	ok	1.221	1.161-1.281
Trichloroethylene	11.77	11.08	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.44	9.28	0.694	ok	0.694	0.634-0.754
Vinyl chloride	4.98	9.28	0.537	ok	0.538	0.478-0.598
Vinyl Acetate	8.43	9.28	0.908	ok	0.909	0.849-0.969
m,p-Xylene	15.92	15.31	1.040	ok	1.039	0.979-1.099
o-Xylene	16.42	15.31	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.29	8.96-9.62	249930	ok	251596	150958-352234
1,4-Difluorobenzene	11.08	ok	11.08	10.75-11.41	1108928	ok	1130248	678149-1582347
Chlorobenzene-D5	15.31	ok	15.31	14.98-15.64	967795	ok	987857	592714-1383000

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ505-ICC505	Q11260.D	06/01/09 11:42	DFT	10	GCMSQ	TO-15	
MSQ505-IC505	Q11261.D	06/01/09 12:24	DFT	0.5	GCMSQ	TO-15	
MSQ505-IC505	Q11262.D	06/01/09 13:06	DFT	0.2	GCMSQ	TO-15	
MSQ505-IC505	Q11263.D	06/01/09 13:48	DFT	2	GCMSQ	TO-15	
MSQ505-IC505	Q11264.D	06/01/09 14:30	DFT	5	GCMSQ	TO-15	
MSQ505-IC505	Q11265.D	06/01/09 15:11	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ505-IC505	Q11266.D	06/01/09 15:55	DFT	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.27	9.31	0.673	ok	0.673	0.613-0.733
1,3-Butadiene	5.19	9.31	0.557	ok	0.554	0.494-0.614
Benzene	10.80	11.10	0.973	ok	0.973	0.913-1.033
Bromodichloromethane	11.74	11.10	1.058	ok	1.059	0.999-1.119
Bromoform	16.04	15.32	1.047	ok	1.047	0.987-1.107
Bromomethane	5.49	9.31	0.590	ok	0.587	0.527-0.647
Bromoethene	6.05	9.31	0.650	ok	0.647	0.587-0.707
Benzyl Chloride	18.45	15.32	1.204	ok	1.204	1.144-1.264
Carbon disulfide	7.56	9.31	0.812	ok	0.812	0.752-0.872
Chlorobenzene	15.36	15.32	1.003	ok	1.003	0.943-1.063
Chloroethane	5.67	9.31	0.609	ok	0.607	0.547-0.667
Chloroform	9.42	9.31	1.012	ok	1.013	0.953-1.073
Chloromethane	4.78	9.31	0.513	ok	0.511	0.451-0.571
3-Chloropropene	7.36	9.31	0.791	ok	0.789	0.729-0.849
2-Chlorotoluene	17.58	15.32	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.94	9.31	1.175	ok	1.177	1.117-1.237
Cyclohexane	11.07	11.10	0.997	ok	0.998	0.938-1.058
1,1-Dichloroethane	8.35	9.31	0.897	ok	0.897	0.837-0.957
1,1-Dichloroethylene	7.12	9.31	0.765	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.22	15.32	0.928	ok	0.928	0.868-0.988
1,2-Dichloroethane	10.12	9.31	1.087	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.56	11.10	1.041	ok	1.042	0.982-1.102
1,4-Dioxane	11.76	11.10	1.059	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.52	9.31	0.485	ok	0.490	0.430-0.550
Dibromochloromethane	13.97	15.32	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.16	9.31	0.876	ok	0.876	0.816-0.936
cis-1,2-Dichloroethylene	9.14	9.31	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.58	11.10	1.133	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.47	15.32	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.92	15.32	1.235	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.55	15.32	1.211	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.08	11.10	1.178	ok	1.179	1.119-1.239
Ethanol	5.76	9.31	0.619	ok	0.618	0.558-0.678
Ethylbenzene	15.73	15.32	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.31	9.31	1.000	ok	1.002	0.942-1.062
4-Ethyltoluene	17.76	15.32	1.159	ok	1.159	1.099-1.219
Freon 113	7.48	9.31	0.803	ok	0.804	0.744-0.864
Freon 114	4.90	9.31	0.526	ok	0.523	0.463-0.583
Heptane	12.02	11.10	1.083	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.26	15.32	1.388	ok	1.388	1.328-1.448
Hexane	9.34	9.31	1.003	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ505-ICC505	Q11260.D	06/01/09 11:42	DFT	10	GCMSQ	TO-15	
MSQ505-IC505	Q11261.D	06/01/09 12:24	DFT	0.5	GCMSQ	TO-15	
MSQ505-IC505	Q11262.D	06/01/09 13:06	DFT	0.2	GCMSQ	TO-15	
MSQ505-IC505	Q11263.D	06/01/09 13:48	DFT	2	GCMSQ	TO-15	
MSQ505-IC505	Q11264.D	06/01/09 14:30	DFT	5	GCMSQ	TO-15	
MSQ505-IC505	Q11265.D	06/01/09 15:11	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ505-IC505	Q11266.D	06/01/09 15:55	DFT	40	GCMSQ	TO-15	

5.7.1

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.75	15.32	0.898	ok	0.898	0.838-0.958
Isopropylbenzene	17.06	15.32	1.114	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.50	9.31	0.698	ok	0.698	0.638-0.758
Methylene chloride	7.23	9.31	0.777	ok	0.776	0.716-0.836
Methyl ethyl ketone	8.69	9.31	0.933	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.59	11.10	1.134	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.38	9.31	0.900	ok	0.901	0.841-0.961
Nonane	16.61	15.32	1.084	ok	1.084	1.024-1.144
Pentane	6.83	9.31	0.734	ok	0.733	0.673-0.793
Propylene	4.44	9.31	0.477	ok	0.481	0.421-0.541
Styrene	16.31	15.32	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.37	9.31	1.114	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.42	15.32	1.072	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.27	11.10	1.195	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.78	15.32	1.356	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.29	15.32	1.194	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.84	15.32	1.164	ok	1.164	1.104-1.224
2,2,4-Trimethylpentane	11.80	11.10	1.063	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.11	9.31	0.764	ok	0.764	0.704-0.824
Tetrachloroethylene	14.67	15.32	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.79	9.31	1.052	ok	1.054	0.994-1.114
Toluene	13.54	11.10	1.220	ok	1.221	1.161-1.281
Trichloroethylene	11.78	11.10	1.061	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.48	9.31	0.696	ok	0.694	0.634-0.754
Vinyl chloride	5.04	9.31	0.541	ok	0.538	0.478-0.598
Vinyl Acetate	8.46	9.31	0.909	ok	0.909	0.849-0.969
m,p-Xylene	15.93	15.32	1.040	ok	1.039	0.979-1.099
o-Xylene	16.43	15.32	1.072	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.31	ok	9.29	8.96-9.62	222541	ok	251596	150958-352234
1,4-Difluorobenzene	11.10	ok	11.08	10.75-11.41	976007	ok	1130248	678149-1582347
Chlorobenzene-D5	15.32	ok	15.31	14.98-15.64	886174	ok	987857	592714-1383000

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ505-ICC505	Q11260.D	06/01/09 11:42	DFT	10	GCMSQ	TO-15	
MSQ505-IC505	Q11261.D	06/01/09 12:24	DFT	0.5	GCMSQ	TO-15	
MSQ505-IC505	Q11262.D	06/01/09 13:06	DFT	0.2	GCMSQ	TO-15	
MSQ505-IC505	Q11263.D	06/01/09 13:48	DFT	2	GCMSQ	TO-15	
MSQ505-IC505	Q11264.D	06/01/09 14:30	DFT	5	GCMSQ	TO-15	
MSQ505-IC505	Q11265.D	06/01/09 15:11	DFT	20	GCMSQ	TO-15	
MSQ505-IC505	Q11266.D	06/01/09 15:55	DFT	40	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.23	9.29	0.671	ok	0.673	0.613-0.733
1,3-Butadiene	5.14	9.29	0.553	ok	0.554	0.494-0.614
Benzene	10.79	11.09	0.973	ok	0.973	0.913-1.033
Bromodichloromethane	11.74	11.09	1.059	ok	1.059	0.999-1.119
Bromoform	16.05	15.32	1.048	ok	1.047	0.987-1.107
Bromomethane	5.44	9.29	0.586	ok	0.587	0.527-0.647
Bromoethene	6.00	9.29	0.646	ok	0.647	0.587-0.707
Benzyl Chloride	18.45	15.32	1.204	ok	1.204	1.144-1.264
Carbon disulfide	7.53	9.29	0.811	ok	0.812	0.752-0.872
Chlorobenzene	15.37	15.32	1.003	ok	1.003	0.943-1.063
Chloroethane	5.63	9.29	0.606	ok	0.607	0.547-0.667
Chloroform	9.41	9.29	1.013	ok	1.013	0.953-1.073
Chloromethane	4.74	9.29	0.510	ok	0.511	0.451-0.571
3-Chloropropene	7.32	9.29	0.788	ok	0.789	0.729-0.849
2-Chlorotoluene	17.59	15.32	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.93	9.29	1.177	ok	1.177	1.117-1.237
Cyclohexane	11.06	11.09	0.997	ok	0.998	0.938-1.058
1,1-Dichloroethane	8.33	9.29	0.897	ok	0.897	0.837-0.957
1,1-Dichloroethylene	7.09	9.29	0.763	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.23	15.32	0.929	ok	0.928	0.868-0.988
1,2-Dichloroethane	10.11	9.29	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.56	11.09	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.75	11.09	1.060	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.55	9.29	0.490	ok	0.490	0.430-0.550
Dibromochloromethane	13.98	15.32	0.913	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.13	9.29	0.875	ok	0.876	0.816-0.936
cis-1,2-Dichloroethylene	9.12	9.29	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.58	11.09	1.134	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.48	15.32	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.93	15.32	1.236	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.55	15.32	1.211	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.08	11.09	1.179	ok	1.179	1.119-1.239
Ethanol	5.72	9.29	0.616	ok	0.618	0.558-0.678
Ethylbenzene	15.74	15.32	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.30	9.29	1.001	ok	1.002	0.942-1.062
4-Ethyltoluene	17.76	15.32	1.159	ok	1.159	1.099-1.219
Freon 113	7.46	9.29	0.803	ok	0.804	0.744-0.864
Freon 114	4.85	9.29	0.522	ok	0.523	0.463-0.583
Heptane	12.02	11.09	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.26	15.32	1.388	ok	1.388	1.328-1.448
Hexane	9.31	9.29	1.002	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ505-ICC505	Q11260.D	06/01/09 11:42	DFT	10	GCMSQ	TO-15	
MSQ505-IC505	Q11261.D	06/01/09 12:24	DFT	0.5	GCMSQ	TO-15	
MSQ505-IC505	Q11262.D	06/01/09 13:06	DFT	0.2	GCMSQ	TO-15	
MSQ505-IC505	Q11263.D	06/01/09 13:48	DFT	2	GCMSQ	TO-15	
MSQ505-IC505	Q11264.D	06/01/09 14:30	DFT	5	GCMSQ	TO-15	
MSQ505-IC505	Q11265.D	06/01/09 15:11	DFT	20	GCMSQ	TO-15	
MSQ505-IC505	Q11266.D	06/01/09 15:55	DFT	40	GCMSQ	TO-15	Reporting this level

5.7.1

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.75	15.32	0.898	ok	0.898	0.838-0.958
Isopropylbenzene	17.06	15.32	1.114	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.48	9.29	0.698	ok	0.698	0.638-0.758
Methylene chloride	7.20	9.29	0.775	ok	0.776	0.716-0.836
Methyl ethyl ketone	8.68	9.29	0.934	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.59	11.09	1.135	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.35	9.29	0.899	ok	0.901	0.841-0.961
Nonane	16.61	15.32	1.084	ok	1.084	1.024-1.144
Pentane	6.80	9.29	0.732	ok	0.733	0.673-0.793
Propylene	4.47	9.29	0.481	ok	0.481	0.421-0.541
Styrene	16.31	15.32	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.35	9.29	1.114	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.42	15.32	1.072	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.26	11.09	1.196	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.78	15.32	1.356	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.29	15.32	1.194	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.84	15.32	1.164	ok	1.164	1.104-1.224
2,2,4-Trimethylpentane	11.80	11.09	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.09	9.29	0.763	ok	0.764	0.704-0.824
Tetrachloroethylene	14.67	15.32	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.77	9.29	1.052	ok	1.054	0.994-1.114
Toluene	13.54	11.09	1.221	ok	1.221	1.161-1.281
Trichloroethylene	11.78	11.09	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.44	9.29	0.693	ok	0.694	0.634-0.754
Vinyl chloride	4.98	9.29	0.536	ok	0.538	0.478-0.598
Vinyl Acetate	8.44	9.29	0.909	ok	0.909	0.849-0.969
m,p-Xylene	15.93	15.32	1.040	ok	1.039	0.979-1.099
o-Xylene	16.44	15.32	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.29	ok	9.29	8.96-9.62	260015	ok	251596	150958-352234
1,4-Difluorobenzene	11.09	ok	11.08	10.75-11.41	1169738	ok	1130248	678149-1582347
Chlorobenzene-D5	15.32	ok	15.31	14.98-15.64	1012504	ok	987857	592714-1383000

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ511-IC511	Q11348.D	06/15/09 10:17	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ511-IC511	Q11349.D	06/15/09 10:59	DFT	0.2	GCMSQ	TO-15	
MSQ511-IC511	Q11350.D	06/15/09 11:40	DFT	2	GCMSQ	TO-15	
MSQ511-IC511	Q11351.D	06/15/09 12:21	DFT	5	GCMSQ	TO-15	
MSQ511-ICC511	Q11352.D	06/15/09 13:03	DFT	10	GCMSQ	TO-15	
MSQ511-IC511	Q11353.D	06/15/09 13:46	DFT	20	GCMSQ	TO-15	
MSQ511-IC511	Q11354.D	06/15/09 14:31	DFT	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.25	9.28	0.673	ok	0.672	0.612-0.732
1,3-Butadiene	5.14	9.28	0.554	ok	0.554	0.494-0.614
Benzene	10.78	11.08	0.973	ok	0.973	0.913-1.033
Bromodichloromethane	11.72	11.08	1.058	ok	1.058	0.998-1.118
Bromoform	16.03	15.31	1.047	ok	1.047	0.987-1.107
Bromomethane	5.45	9.28	0.587	ok	0.586	0.526-0.646
Bromoethene	6.01	9.28	0.648	ok	0.647	0.587-0.707
Benzyl Chloride	18.44	15.31	1.204	ok	1.205	1.145-1.265
Carbon disulfide	7.53	9.28	0.811	ok	0.811	0.751-0.871
Chlorobenzene	15.36	15.31	1.003	ok	1.003	0.943-1.063
Chloroethane	5.63	9.28	0.607	ok	0.606	0.546-0.666
Chloroform	9.39	9.28	1.012	ok	1.012	0.952-1.072
Chloromethane	4.74	9.28	0.511	ok	0.510	0.450-0.570
3-Chloropropene	7.31	9.28	0.788	ok	0.789	0.729-0.849
2-Chlorotoluene	17.57	15.31	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.93	9.28	1.178	ok	1.177	1.117-1.237
Cyclohexane	11.05	11.08	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.32	9.28	0.897	ok	0.897	0.837-0.957
1,1-Dichloroethylene	7.09	9.28	0.764	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.21	15.31	0.928	ok	0.928	0.868-0.988
1,2-Dichloroethane	10.10	9.28	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.55	11.08	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.78	11.08	1.063	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.55	9.28	0.490	ok	0.490	0.430-0.550
Dibromochloromethane	13.96	15.31	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.13	9.28	0.876	ok	0.875	0.815-0.935
cis-1,2-Dichloroethylene	9.12	9.28	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	12.57	11.08	1.134	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.46	15.31	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.91	15.31	1.235	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.54	15.31	1.211	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.05	11.08	1.178	ok	1.179	1.119-1.239
Ethanol	5.74	9.28	0.619	ok	0.617	0.557-0.677
Ethylbenzene	15.72	15.31	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.30	9.28	1.002	ok	1.002	0.942-1.062
4-Ethyltoluene	17.75	15.31	1.159	ok	1.159	1.099-1.219
Freon 113	7.46	9.28	0.804	ok	0.803	0.743-0.863
Freon 114	4.85	9.28	0.523	ok	0.522	0.462-0.582
Heptane	12.01	11.08	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.21	15.31	1.385	ok	1.388	1.328-1.448
Hexane	9.31	9.28	1.003	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	Reporting this level
MSQ511-IC511	Q11348.D	06/15/09 10:17	DFT	0.5	GCMSQ	TO-15	
MSQ511-IC511	Q11349.D	06/15/09 10:59	DFT	0.2	GCMSQ	TO-15	
MSQ511-IC511	Q11350.D	06/15/09 11:40	DFT	2	GCMSQ	TO-15	
MSQ511-IC511	Q11351.D	06/15/09 12:21	DFT	5	GCMSQ	TO-15	
MSQ511-ICC511	Q11352.D	06/15/09 13:03	DFT	10	GCMSQ	TO-15	
MSQ511-IC511	Q11353.D	06/15/09 13:46	DFT	20	GCMSQ	TO-15	
MSQ511-IC511	Q11354.D	06/15/09 14:31	DFT	40	GCMSQ	TO-15	

5.7.2

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.74	15.31	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	17.05	15.31	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.49	9.28	0.699	ok	0.698	0.638-0.758
Methylene chloride	7.20	9.28	0.776	ok	0.775	0.715-0.835
Methyl ethyl ketone	8.68	9.28	0.935	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.59	11.08	1.136	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.37	9.28	0.902	ok	0.901	0.841-0.961
Nonane	16.60	15.31	1.084	ok	1.084	1.024-1.144
Pentane	6.80	9.28	0.733	ok	0.733	0.673-0.793
Propylene	4.46	9.28	0.481	ok	0.482	0.422-0.542
Styrene	16.30	15.31	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.34	9.28	1.114	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.40	15.31	1.071	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.25	11.08	1.196	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.77	15.31	1.357	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.28	15.31	1.194	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.82	15.31	1.164	ok	1.164	1.104-1.224
2,2,4-Trimethylpentane	11.79	11.08	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.11	9.28	0.766	ok	0.764	0.704-0.824
Tetrachloroethylene	14.66	15.31	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.80	9.28	1.056	ok	1.054	0.994-1.114
Toluene	13.53	11.08	1.221	ok	1.221	1.161-1.281
Trichloroethylene	11.77	11.08	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.44	9.28	0.694	ok	0.694	0.634-0.754
Vinyl chloride	4.98	9.28	0.537	ok	0.537	0.477-0.597
Vinyl Acetate	8.43	9.28	0.908	ok	0.909	0.849-0.969
m,p-Xylene	15.92	15.31	1.040	ok	1.040	0.980-1.100
o-Xylene	16.41	15.31	1.072	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	157590	ok	171590	102954-240226
1,4-Difluorobenzene	11.08	ok	11.08	10.75-11.41	744528	ok	830207	498124-1162290
Chlorobenzene-D5	15.31	ok	15.31	14.98-15.64	620566	ok	706347	423808-988886

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ511-IC511	Q11348.D	06/15/09 10:17	DFT	0.5	GCMSQ	TO-15	
MSQ511-IC511	Q11349.D	06/15/09 10:59	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ511-IC511	Q11350.D	06/15/09 11:40	DFT	2	GCMSQ	TO-15	
MSQ511-IC511	Q11351.D	06/15/09 12:21	DFT	5	GCMSQ	TO-15	
MSQ511-ICC511	Q11352.D	06/15/09 13:03	DFT	10	GCMSQ	TO-15	
MSQ511-IC511	Q11353.D	06/15/09 13:46	DFT	20	GCMSQ	TO-15	
MSQ511-IC511	Q11354.D	06/15/09 14:31	DFT	40	GCMSQ	TO-15	

5.7.2

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.26	9.28	0.675	ok	0.672	0.612-0.732
1,3-Butadiene	5.15	9.28	0.555	ok	0.554	0.494-0.614
Benzene	10.78	11.08	0.973	ok	0.973	0.913-1.033
Bromodichloromethane	11.73	11.08	1.059	ok	1.058	0.998-1.118
Bromoform	16.03	15.31	1.047	ok	1.047	0.987-1.107
Bromomethane	5.43	9.28	0.585	ok	0.586	0.526-0.646
Bromoethene	6.01	9.28	0.648	ok	0.647	0.587-0.707
Benzyl Chloride	18.44	15.31	1.204	ok	1.205	1.145-1.265
Carbon disulfide	7.52	9.28	0.810	ok	0.811	0.751-0.871
Chlorobenzene	15.36	15.31	1.003	ok	1.003	0.943-1.063
Chloroethane	5.63	9.28	0.607	ok	0.606	0.546-0.666
Chloroform	9.39	9.28	1.012	ok	1.012	0.952-1.072
Chloromethane	4.74	9.28	0.511	ok	0.510	0.450-0.570
3-Chloropropene	7.33	9.28	0.790	ok	0.789	0.729-0.849
2-Chlorotoluene	17.58	15.31	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.93	9.28	1.178	ok	1.177	1.117-1.237
Cyclohexane	11.06	11.08	0.998	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.32	9.28	0.897	ok	0.897	0.837-0.957
1,1-Dichloroethylene	7.09	9.28	0.764	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.22	15.31	0.929	ok	0.928	0.868-0.988
1,2-Dichloroethane	10.10	9.28	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.55	11.08	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.79	11.08	1.064	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.55	9.28	0.490	ok	0.490	0.430-0.550
Dibromochloromethane	13.96	15.31	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.12	9.28	0.875	ok	0.875	0.815-0.935
cis-1,2-Dichloroethylene	9.12	9.28	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	12.57	11.08	1.134	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.46	15.31	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.91	15.31	1.235	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.53	15.31	1.210	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.06	11.08	1.179	ok	1.179	1.119-1.239
Ethanol	5.76	9.28	0.621	ok	0.617	0.557-0.677
Ethylbenzene	15.73	15.31	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.31	9.28	1.003	ok	1.002	0.942-1.062
4-Ethyltoluene	17.75	15.31	1.159	ok	1.159	1.099-1.219
Freon 113	7.45	9.28	0.803	ok	0.803	0.743-0.863
Freon 114	4.85	9.28	0.523	ok	0.522	0.462-0.582
Heptane	12.01	11.08	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.25	15.31	1.388	ok	1.388	1.328-1.448
Hexane	9.31	9.28	1.003	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ511-IC511	Q11348.D	06/15/09 10:17	DFT	0.5	GCMSQ	TO-15	
MSQ511-IC511	Q11349.D	06/15/09 10:59	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ511-IC511	Q11350.D	06/15/09 11:40	DFT	2	GCMSQ	TO-15	
MSQ511-IC511	Q11351.D	06/15/09 12:21	DFT	5	GCMSQ	TO-15	
MSQ511-ICC511	Q11352.D	06/15/09 13:03	DFT	10	GCMSQ	TO-15	
MSQ511-IC511	Q11353.D	06/15/09 13:46	DFT	20	GCMSQ	TO-15	
MSQ511-IC511	Q11354.D	06/15/09 14:31	DFT	40	GCMSQ	TO-15	

5.7.2

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.76	15.31	0.899	ok	0.898	0.838-0.958
Isopropylbenzene	17.05	15.31	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.50	9.28	0.700	ok	0.698	0.638-0.758
Methylene chloride	7.19	9.28	0.775	ok	0.775	0.715-0.835
Methyl ethyl ketone	8.70	9.28	0.938	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.59	11.08	1.136	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.37	9.28	0.902	ok	0.901	0.841-0.961
Nonane	16.60	15.31	1.084	ok	1.084	1.024-1.144
Pentane	6.80	9.28	0.733	ok	0.733	0.673-0.793
Propylene	4.48	9.28	0.483	ok	0.482	0.422-0.542
Styrene	16.30	15.31	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.35	9.28	1.115	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.40	15.31	1.071	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.25	11.08	1.196	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.78	15.31	1.357	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.28	15.31	1.194	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.82	15.31	1.164	ok	1.164	1.104-1.224
2,2,4-Trimethylpentane	11.79	11.08	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.11	9.28	0.766	ok	0.764	0.704-0.824
Tetrachloroethylene	14.66	15.31	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.80	9.28	1.056	ok	1.054	0.994-1.114
Toluene	13.54	11.08	1.222	ok	1.221	1.161-1.281
Trichloroethylene	11.77	11.08	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.44	9.28	0.694	ok	0.694	0.634-0.754
Vinyl chloride	4.99	9.28	0.538	ok	0.537	0.477-0.597
Vinyl Acetate	8.44	9.28	0.909	ok	0.909	0.849-0.969
m,p-Xylene	15.92	15.31	1.040	ok	1.040	0.980-1.100
o-Xylene	16.41	15.31	1.072	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	138587	ok	171590	102954-240226
1,4-Difluorobenzene	11.08	ok	11.08	10.75-11.41	679942	ok	830207	498124-1162290
Chlorobenzene-D5	15.31	ok	15.31	14.98-15.64	553571	ok	706347	423808-988886

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ511-IC511	Q11348.D	06/15/09 10:17	DFT	0.5	GCMSQ	TO-15	
MSQ511-IC511	Q11349.D	06/15/09 10:59	DFT	0.2	GCMSQ	TO-15	
MSQ511-IC511	Q11350.D	06/15/09 11:40	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ511-IC511	Q11351.D	06/15/09 12:21	DFT	5	GCMSQ	TO-15	
MSQ511-ICC511	Q11352.D	06/15/09 13:03	DFT	10	GCMSQ	TO-15	
MSQ511-IC511	Q11353.D	06/15/09 13:46	DFT	20	GCMSQ	TO-15	
MSQ511-IC511	Q11354.D	06/15/09 14:31	DFT	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.24	9.28	0.672	ok	0.672	0.612-0.732
1,3-Butadiene	5.14	9.28	0.554	ok	0.554	0.494-0.614
Benzene	10.78	11.08	0.973	ok	0.973	0.913-1.033
Bromodichloromethane	11.72	11.08	1.058	ok	1.058	0.998-1.118
Bromoform	16.03	15.30	1.048	ok	1.047	0.987-1.107
Bromomethane	5.44	9.28	0.586	ok	0.586	0.526-0.646
Bromoethene	6.00	9.28	0.647	ok	0.647	0.587-0.707
Benzyl Chloride	18.44	15.30	1.205	ok	1.205	1.145-1.265
Carbon disulfide	7.53	9.28	0.811	ok	0.811	0.751-0.871
Chlorobenzene	15.35	15.30	1.003	ok	1.003	0.943-1.063
Chloroethane	5.62	9.28	0.606	ok	0.606	0.546-0.666
Chloroform	9.39	9.28	1.012	ok	1.012	0.952-1.072
Chloromethane	4.74	9.28	0.511	ok	0.510	0.450-0.570
3-Chloropropene	7.32	9.28	0.789	ok	0.789	0.729-0.849
2-Chlorotoluene	17.57	15.30	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.93	9.28	1.178	ok	1.177	1.117-1.237
Cyclohexane	11.05	11.08	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.32	9.28	0.897	ok	0.897	0.837-0.957
1,1-Dichloroethylene	7.08	9.28	0.763	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.21	15.30	0.929	ok	0.928	0.868-0.988
1,2-Dichloroethane	10.09	9.28	1.087	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.55	11.08	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.75	11.08	1.060	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.55	9.28	0.490	ok	0.490	0.430-0.550
Dibromochloromethane	13.96	15.30	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.13	9.28	0.876	ok	0.875	0.815-0.935
cis-1,2-Dichloroethylene	9.12	9.28	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	12.57	11.08	1.134	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.46	15.30	1.207	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.91	15.30	1.236	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.53	15.30	1.211	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.06	11.08	1.179	ok	1.179	1.119-1.239
Ethanol	5.73	9.28	0.617	ok	0.617	0.557-0.677
Ethylbenzene	15.72	15.30	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.30	9.28	1.002	ok	1.002	0.942-1.062
4-Ethyltoluene	17.75	15.30	1.160	ok	1.159	1.099-1.219
Freon 113	7.45	9.28	0.803	ok	0.803	0.743-0.863
Freon 114	4.85	9.28	0.523	ok	0.522	0.462-0.582
Heptane	12.01	11.08	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.26	15.30	1.390	ok	1.388	1.328-1.448
Hexane	9.31	9.28	1.003	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ511-IC511	Q11348.D	06/15/09 10:17	DFT	0.5	GCMSQ	TO-15	
MSQ511-IC511	Q11349.D	06/15/09 10:59	DFT	0.2	GCMSQ	TO-15	
MSQ511-IC511	Q11350.D	06/15/09 11:40	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ511-IC511	Q11351.D	06/15/09 12:21	DFT	5	GCMSQ	TO-15	
MSQ511-ICC511	Q11352.D	06/15/09 13:03	DFT	10	GCMSQ	TO-15	
MSQ511-IC511	Q11353.D	06/15/09 13:46	DFT	20	GCMSQ	TO-15	
MSQ511-IC511	Q11354.D	06/15/09 14:31	DFT	40	GCMSQ	TO-15	

5.7.2

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.74	15.30	0.898	ok	0.898	0.838-0.958
Isopropylbenzene	17.04	15.30	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.47	9.28	0.697	ok	0.698	0.638-0.758
Methylene chloride	7.19	9.28	0.775	ok	0.775	0.715-0.835
Methyl ethyl ketone	8.68	9.28	0.935	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.58	11.08	1.135	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.36	9.28	0.901	ok	0.901	0.841-0.961
Nonane	16.60	15.30	1.085	ok	1.084	1.024-1.144
Pentane	6.80	9.28	0.733	ok	0.733	0.673-0.793
Propylene	4.47	9.28	0.482	ok	0.482	0.422-0.542
Styrene	16.29	15.30	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.35	9.28	1.115	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.40	15.30	1.072	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.25	11.08	1.196	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.78	15.30	1.358	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.28	15.30	1.195	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.82	15.30	1.165	ok	1.164	1.104-1.224
2,2,4-Trimethylpentane	11.78	11.08	1.063	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.09	9.28	0.764	ok	0.764	0.704-0.824
Tetrachloroethylene	14.66	15.30	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.79	9.28	1.055	ok	1.054	0.994-1.114
Toluene	13.53	11.08	1.221	ok	1.221	1.161-1.281
Trichloroethylene	11.76	11.08	1.061	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.44	9.28	0.694	ok	0.694	0.634-0.754
Vinyl chloride	4.99	9.28	0.538	ok	0.537	0.477-0.597
Vinyl Acetate	8.43	9.28	0.908	ok	0.909	0.849-0.969
m,p-Xylene	15.90	15.30	1.039	ok	1.040	0.980-1.100
o-Xylene	16.42	15.30	1.073	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	151490	ok	171590	102954-240226
1,4-Difluorobenzene	11.08	ok	11.08	10.75-11.41	739744	ok	830207	498124-1162290
Chlorobenzene-D5	15.30	ok	15.31	14.98-15.64	610323	ok	706347	423808-988886

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ511-IC511	Q11348.D	06/15/09 10:17	DFT	0.5	GCMSQ	TO-15	
MSQ511-IC511	Q11349.D	06/15/09 10:59	DFT	0.2	GCMSQ	TO-15	
MSQ511-IC511	Q11350.D	06/15/09 11:40	DFT	2	GCMSQ	TO-15	
MSQ511-IC511	Q11351.D	06/15/09 12:21	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ511-ICC511	Q11352.D	06/15/09 13:03	DFT	10	GCMSQ	TO-15	
MSQ511-IC511	Q11353.D	06/15/09 13:46	DFT	20	GCMSQ	TO-15	
MSQ511-IC511	Q11354.D	06/15/09 14:31	DFT	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.24	9.28	0.672	ok	0.672	0.612-0.732
1,3-Butadiene	5.14	9.28	0.554	ok	0.554	0.494-0.614
Benzene	10.79	11.08	0.974	ok	0.973	0.913-1.033
Bromodichloromethane	11.73	11.08	1.059	ok	1.058	0.998-1.118
Bromoform	16.03	15.31	1.047	ok	1.047	0.987-1.107
Bromomethane	5.44	9.28	0.586	ok	0.586	0.526-0.646
Bromoethene	6.01	9.28	0.648	ok	0.647	0.587-0.707
Benzyl Chloride	18.44	15.31	1.204	ok	1.205	1.145-1.265
Carbon disulfide	7.53	9.28	0.811	ok	0.811	0.751-0.871
Chlorobenzene	15.35	15.31	1.003	ok	1.003	0.943-1.063
Chloroethane	5.63	9.28	0.607	ok	0.606	0.546-0.666
Chloroform	9.39	9.28	1.012	ok	1.012	0.952-1.072
Chloromethane	4.73	9.28	0.510	ok	0.510	0.450-0.570
3-Chloropropene	7.33	9.28	0.790	ok	0.789	0.729-0.849
2-Chlorotoluene	17.57	15.31	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.92	9.28	1.177	ok	1.177	1.117-1.237
Cyclohexane	11.05	11.08	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.32	9.28	0.897	ok	0.897	0.837-0.957
1,1-Dichloroethylene	7.09	9.28	0.764	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.21	15.31	0.928	ok	0.928	0.868-0.988
1,2-Dichloroethane	10.10	9.28	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.55	11.08	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.75	11.08	1.060	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.55	9.28	0.490	ok	0.490	0.430-0.550
Dibromochloromethane	13.96	15.31	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.12	9.28	0.875	ok	0.875	0.815-0.935
cis-1,2-Dichloroethylene	9.12	9.28	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	12.57	11.08	1.134	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.47	15.31	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.91	15.31	1.235	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.54	15.31	1.211	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.06	11.08	1.179	ok	1.179	1.119-1.239
Ethanol	5.72	9.28	0.616	ok	0.617	0.557-0.677
Ethylbenzene	15.72	15.31	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.29	9.28	1.001	ok	1.002	0.942-1.062
4-Ethyltoluene	17.75	15.31	1.159	ok	1.159	1.099-1.219
Freon 113	7.46	9.28	0.804	ok	0.803	0.743-0.863
Freon 114	4.85	9.28	0.523	ok	0.522	0.462-0.582
Heptane	12.01	11.08	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.26	15.31	1.389	ok	1.388	1.328-1.448
Hexane	9.31	9.28	1.003	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ511-IC511	Q11348.D	06/15/09 10:17	DFT	0.5	GCMSQ	TO-15	
MSQ511-IC511	Q11349.D	06/15/09 10:59	DFT	0.2	GCMSQ	TO-15	
MSQ511-IC511	Q11350.D	06/15/09 11:40	DFT	2	GCMSQ	TO-15	
MSQ511-IC511	Q11351.D	06/15/09 12:21	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ511-ICC511	Q11352.D	06/15/09 13:03	DFT	10	GCMSQ	TO-15	
MSQ511-IC511	Q11353.D	06/15/09 13:46	DFT	20	GCMSQ	TO-15	
MSQ511-IC511	Q11354.D	06/15/09 14:31	DFT	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.74	15.31	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	17.05	15.31	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.47	9.28	0.697	ok	0.698	0.638-0.758
Methylene chloride	7.20	9.28	0.776	ok	0.775	0.715-0.835
Methyl ethyl ketone	8.67	9.28	0.934	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.57	11.08	1.134	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.36	9.28	0.901	ok	0.901	0.841-0.961
Nonane	16.60	15.31	1.084	ok	1.084	1.024-1.144
Pentane	6.80	9.28	0.733	ok	0.733	0.673-0.793
Propylene	4.47	9.28	0.482	ok	0.482	0.422-0.542
Styrene	16.30	15.31	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.35	9.28	1.115	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.40	15.31	1.071	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.25	11.08	1.196	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.78	15.31	1.357	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.28	15.31	1.194	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.83	15.31	1.165	ok	1.164	1.104-1.224
2,2,4-Trimethylpentane	11.79	11.08	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.08	9.28	0.763	ok	0.764	0.704-0.824
Tetrachloroethylene	14.66	15.31	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.77	9.28	1.053	ok	1.054	0.994-1.114
Toluene	13.53	11.08	1.221	ok	1.221	1.161-1.281
Trichloroethylene	11.77	11.08	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.44	9.28	0.694	ok	0.694	0.634-0.754
Vinyl chloride	4.98	9.28	0.537	ok	0.537	0.477-0.597
Vinyl Acetate	8.43	9.28	0.908	ok	0.909	0.849-0.969
m,p-Xylene	15.92	15.31	1.040	ok	1.040	0.980-1.100
o-Xylene	16.42	15.31	1.073	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	180571	ok	171590	102954-240226
1,4-Difluorobenzene	11.08	ok	11.08	10.75-11.41	905932	ok	830207	498124-1162290
Chlorobenzene-D5	15.31	ok	15.31	14.98-15.64	753652	ok	706347	423808-988886

5.7.2

5

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ511-IC511	Q11348.D	06/15/09 10:17	DFT	0.5	GCMSQ	TO-15	
MSQ511-IC511	Q11349.D	06/15/09 10:59	DFT	0.2	GCMSQ	TO-15	
MSQ511-IC511	Q11350.D	06/15/09 11:40	DFT	2	GCMSQ	TO-15	
MSQ511-IC511	Q11351.D	06/15/09 12:21	DFT	5	GCMSQ	TO-15	
MSQ511-ICC511	Q11352.D	06/15/09 13:03	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ511-IC511	Q11353.D	06/15/09 13:46	DFT	20	GCMSQ	TO-15	
MSQ511-IC511	Q11354.D	06/15/09 14:31	DFT	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.23	9.28	0.671	ok	0.672	0.612-0.732
1,3-Butadiene	5.14	9.28	0.554	ok	0.554	0.494-0.614
Benzene	10.79	11.08	0.974	ok	0.973	0.913-1.033
Bromodichloromethane	11.73	11.08	1.059	ok	1.058	0.998-1.118
Bromoform	16.03	15.31	1.047	ok	1.047	0.987-1.107
Bromomethane	5.44	9.28	0.586	ok	0.586	0.526-0.646
Bromoethene	6.01	9.28	0.648	ok	0.647	0.587-0.707
Benzyl Chloride	18.44	15.31	1.204	ok	1.205	1.145-1.265
Carbon disulfide	7.53	9.28	0.811	ok	0.811	0.751-0.871
Chlorobenzene	15.35	15.31	1.003	ok	1.003	0.943-1.063
Chloroethane	5.63	9.28	0.607	ok	0.606	0.546-0.666
Chloroform	9.40	9.28	1.013	ok	1.012	0.952-1.072
Chloromethane	4.73	9.28	0.510	ok	0.510	0.450-0.570
3-Chloropropene	7.32	9.28	0.789	ok	0.789	0.729-0.849
2-Chlorotoluene	17.58	15.31	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.93	9.28	1.178	ok	1.177	1.117-1.237
Cyclohexane	11.05	11.08	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.32	9.28	0.897	ok	0.897	0.837-0.957
1,1-Dichloroethylene	7.09	9.28	0.764	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.21	15.31	0.928	ok	0.928	0.868-0.988
1,2-Dichloroethane	10.10	9.28	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.55	11.08	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.74	11.08	1.060	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.55	9.28	0.490	ok	0.490	0.430-0.550
Dibromochloromethane	13.96	15.31	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.12	9.28	0.875	ok	0.875	0.815-0.935
cis-1,2-Dichloroethylene	9.12	9.28	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	12.57	11.08	1.134	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.46	15.31	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.91	15.31	1.235	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.53	15.31	1.210	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.07	11.08	1.180	ok	1.179	1.119-1.239
Ethanol	5.72	9.28	0.616	ok	0.617	0.557-0.677
Ethylbenzene	15.73	15.31	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.30	9.28	1.002	ok	1.002	0.942-1.062
4-Ethyltoluene	17.75	15.31	1.159	ok	1.159	1.099-1.219
Freon 113	7.46	9.28	0.804	ok	0.803	0.743-0.863
Freon 114	4.84	9.28	0.522	ok	0.522	0.462-0.582
Heptane	12.01	11.08	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.26	15.31	1.389	ok	1.388	1.328-1.448
Hexane	9.32	9.28	1.004	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ511-IC511	Q11348.D	06/15/09 10:17	DFT	0.5	GCMSQ	TO-15	
MSQ511-IC511	Q11349.D	06/15/09 10:59	DFT	0.2	GCMSQ	TO-15	
MSQ511-IC511	Q11350.D	06/15/09 11:40	DFT	2	GCMSQ	TO-15	
MSQ511-IC511	Q11351.D	06/15/09 12:21	DFT	5	GCMSQ	TO-15	
MSQ511-ICC511	Q11352.D	06/15/09 13:03	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ511-IC511	Q11353.D	06/15/09 13:46	DFT	20	GCMSQ	TO-15	
MSQ511-IC511	Q11354.D	06/15/09 14:31	DFT	40	GCMSQ	TO-15	

5.7.2 5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.73	15.31	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	17.05	15.31	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.46	9.28	0.696	ok	0.698	0.638-0.758
Methylene chloride	7.20	9.28	0.776	ok	0.775	0.715-0.835
Methyl ethyl ketone	8.67	9.28	0.934	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.57	11.08	1.134	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.35	9.28	0.900	ok	0.901	0.841-0.961
Nonane	16.60	15.31	1.084	ok	1.084	1.024-1.144
Pentane	6.80	9.28	0.733	ok	0.733	0.673-0.793
Propylene	4.47	9.28	0.482	ok	0.482	0.422-0.542
Styrene	16.30	15.31	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.35	9.28	1.115	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.41	15.31	1.072	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.26	11.08	1.197	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.78	15.31	1.357	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.28	15.31	1.194	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.83	15.31	1.165	ok	1.164	1.104-1.224
2,2,4-Trimethylpentane	11.79	11.08	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.08	9.28	0.763	ok	0.764	0.704-0.824
Tetrachloroethylene	14.66	15.31	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.77	9.28	1.053	ok	1.054	0.994-1.114
Toluene	13.54	11.08	1.222	ok	1.221	1.161-1.281
Trichloroethylene	11.77	11.08	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.44	9.28	0.694	ok	0.694	0.634-0.754
Vinyl chloride	4.98	9.28	0.537	ok	0.537	0.477-0.597
Vinyl Acetate	8.43	9.28	0.908	ok	0.909	0.849-0.969
m,p-Xylene	15.92	15.31	1.040	ok	1.040	0.980-1.100
o-Xylene	16.42	15.31	1.073	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	172724	ok	171590	102954-240226
1,4-Difluorobenzene	11.08	ok	11.08	10.75-11.41	868041	ok	830207	498124-1162290
Chlorobenzene-D5	15.31	ok	15.31	14.98-15.64	740798	ok	706347	423808-988886

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ511-IC511	Q11348.D	06/15/09 10:17	DFT	0.5	GCMSQ	TO-15	
MSQ511-IC511	Q11349.D	06/15/09 10:59	DFT	0.2	GCMSQ	TO-15	
MSQ511-IC511	Q11350.D	06/15/09 11:40	DFT	2	GCMSQ	TO-15	
MSQ511-IC511	Q11351.D	06/15/09 12:21	DFT	5	GCMSQ	TO-15	
MSQ511-ICC511	Q11352.D	06/15/09 13:03	DFT	10	GCMSQ	TO-15	
MSQ511-IC511	Q11353.D	06/15/09 13:46	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ511-IC511	Q11354.D	06/15/09 14:31	DFT	40	GCMSQ	TO-15	

5.7.2

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.23	9.28	0.671	ok	0.672	0.612-0.732
1,3-Butadiene	5.14	9.28	0.554	ok	0.554	0.494-0.614
Benzene	10.79	11.08	0.974	ok	0.973	0.913-1.033
Bromodichloromethane	11.73	11.08	1.059	ok	1.058	0.998-1.118
Bromoform	16.04	15.31	1.048	ok	1.047	0.987-1.107
Bromomethane	5.44	9.28	0.586	ok	0.586	0.526-0.646
Bromoethene	6.01	9.28	0.648	ok	0.647	0.587-0.707
Benzyl Chloride	18.44	15.31	1.204	ok	1.205	1.145-1.265
Carbon disulfide	7.53	9.28	0.811	ok	0.811	0.751-0.871
Chlorobenzene	15.36	15.31	1.003	ok	1.003	0.943-1.063
Chloroethane	5.63	9.28	0.607	ok	0.606	0.546-0.666
Chloroform	9.40	9.28	1.013	ok	1.012	0.952-1.072
Chloromethane	4.74	9.28	0.511	ok	0.510	0.450-0.570
3-Chloropropene	7.32	9.28	0.789	ok	0.789	0.729-0.849
2-Chlorotoluene	17.58	15.31	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.93	9.28	1.178	ok	1.177	1.117-1.237
Cyclohexane	11.05	11.08	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.33	9.28	0.898	ok	0.897	0.837-0.957
1,1-Dichloroethylene	7.09	9.28	0.764	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.22	15.31	0.929	ok	0.928	0.868-0.988
1,2-Dichloroethane	10.10	9.28	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.55	11.08	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.75	11.08	1.060	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.55	9.28	0.490	ok	0.490	0.430-0.550
Dibromochloromethane	13.97	15.31	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.13	9.28	0.876	ok	0.875	0.815-0.935
cis-1,2-Dichloroethylene	9.12	9.28	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	12.58	11.08	1.135	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.47	15.31	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.92	15.31	1.236	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.54	15.31	1.211	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.07	11.08	1.180	ok	1.179	1.119-1.239
Ethanol	5.71	9.28	0.615	ok	0.617	0.557-0.677
Ethylbenzene	15.73	15.31	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.30	9.28	1.002	ok	1.002	0.942-1.062
4-Ethyltoluene	17.75	15.31	1.159	ok	1.159	1.099-1.219
Freon 113	7.45	9.28	0.803	ok	0.803	0.743-0.863
Freon 114	4.84	9.28	0.522	ok	0.522	0.462-0.582
Heptane	12.02	11.08	1.085	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.26	15.31	1.389	ok	1.388	1.328-1.448
Hexane	9.31	9.28	1.003	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ511-IC511	Q11348.D	06/15/09 10:17	DFT	0.5	GCMSQ	TO-15	
MSQ511-IC511	Q11349.D	06/15/09 10:59	DFT	0.2	GCMSQ	TO-15	
MSQ511-IC511	Q11350.D	06/15/09 11:40	DFT	2	GCMSQ	TO-15	
MSQ511-IC511	Q11351.D	06/15/09 12:21	DFT	5	GCMSQ	TO-15	
MSQ511-ICC511	Q11352.D	06/15/09 13:03	DFT	10	GCMSQ	TO-15	
MSQ511-IC511	Q11353.D	06/15/09 13:46	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ511-IC511	Q11354.D	06/15/09 14:31	DFT	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.74	15.31	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	17.05	15.31	1.114	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.47	9.28	0.697	ok	0.698	0.638-0.758
Methylene chloride	7.20	9.28	0.776	ok	0.775	0.715-0.835
Methyl ethyl ketone	8.67	9.28	0.934	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.58	11.08	1.135	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.35	9.28	0.900	ok	0.901	0.841-0.961
Nonane	16.60	15.31	1.084	ok	1.084	1.024-1.144
Pentane	6.80	9.28	0.733	ok	0.733	0.673-0.793
Propylene	4.47	9.28	0.482	ok	0.482	0.422-0.542
Styrene	16.30	15.31	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.35	9.28	1.115	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.41	15.31	1.072	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.25	11.08	1.196	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.78	15.31	1.357	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.28	15.31	1.194	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.83	15.31	1.165	ok	1.164	1.104-1.224
2,2,4-Trimethylpentane	11.79	11.08	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.08	9.28	0.763	ok	0.764	0.704-0.824
Tetrachloroethylene	14.67	15.31	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.77	9.28	1.053	ok	1.054	0.994-1.114
Toluene	13.54	11.08	1.222	ok	1.221	1.161-1.281
Trichloroethylene	11.77	11.08	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.44	9.28	0.694	ok	0.694	0.634-0.754
Vinyl chloride	4.98	9.28	0.537	ok	0.537	0.477-0.597
Vinyl Acetate	8.43	9.28	0.908	ok	0.909	0.849-0.969
m,p-Xylene	15.92	15.31	1.040	ok	1.040	0.980-1.100
o-Xylene	16.42	15.31	1.073	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	177574	ok	171590	102954-240226
1,4-Difluorobenzene	11.08	ok	11.08	10.75-11.41	831745	ok	830207	498124-1162290
Chlorobenzene-D5	15.31	ok	15.31	14.98-15.64	717116	ok	706347	423808-988886

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ511-IC511	Q11348.D	06/15/09 10:17	DFT	0.5	GCMSQ	TO-15	
MSQ511-IC511	Q11349.D	06/15/09 10:59	DFT	0.2	GCMSQ	TO-15	
MSQ511-IC511	Q11350.D	06/15/09 11:40	DFT	2	GCMSQ	TO-15	
MSQ511-IC511	Q11351.D	06/15/09 12:21	DFT	5	GCMSQ	TO-15	
MSQ511-ICC511	Q11352.D	06/15/09 13:03	DFT	10	GCMSQ	TO-15	
MSQ511-IC511	Q11353.D	06/15/09 13:46	DFT	20	GCMSQ	TO-15	
MSQ511-IC511	Q11354.D	06/15/09 14:31	DFT	40	GCMSQ	TO-15	Reporting this level

5.7.2

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.23	9.29	0.671	ok	0.672	0.612-0.732
1,3-Butadiene	5.14	9.29	0.553	ok	0.554	0.494-0.614
Benzene	10.80	11.09	0.974	ok	0.973	0.913-1.033
Bromodichloromethane	11.74	11.09	1.059	ok	1.058	0.998-1.118
Bromoform	16.05	15.32	1.048	ok	1.047	0.987-1.107
Bromomethane	5.44	9.29	0.586	ok	0.586	0.526-0.646
Bromoethene	6.00	9.29	0.646	ok	0.647	0.587-0.707
Benzyl Chloride	18.45	15.32	1.204	ok	1.205	1.145-1.265
Carbon disulfide	7.53	9.29	0.811	ok	0.811	0.751-0.871
Chlorobenzene	15.36	15.32	1.003	ok	1.003	0.943-1.063
Chloroethane	5.63	9.29	0.606	ok	0.606	0.546-0.666
Chloroform	9.41	9.29	1.013	ok	1.012	0.952-1.072
Chloromethane	4.74	9.29	0.510	ok	0.510	0.450-0.570
3-Chloropropene	7.32	9.29	0.788	ok	0.789	0.729-0.849
2-Chlorotoluene	17.58	15.32	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.93	9.29	1.177	ok	1.177	1.117-1.237
Cyclohexane	11.06	11.09	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.33	9.29	0.897	ok	0.897	0.837-0.957
1,1-Dichloroethylene	7.09	9.29	0.763	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.22	15.32	0.928	ok	0.928	0.868-0.988
1,2-Dichloroethane	10.11	9.29	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.56	11.09	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.76	11.09	1.060	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.55	9.29	0.490	ok	0.490	0.430-0.550
Dibromochloromethane	13.97	15.32	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.13	9.29	0.875	ok	0.875	0.815-0.935
cis-1,2-Dichloroethylene	9.13	9.29	0.983	ok	0.983	0.923-1.043
cis-1,3-Dichloropropene	12.58	11.09	1.134	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.48	15.32	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.92	15.32	1.235	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.55	15.32	1.211	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.07	11.09	1.179	ok	1.179	1.119-1.239
Ethanol	5.73	9.29	0.617	ok	0.617	0.557-0.677
Ethylbenzene	15.73	15.32	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.30	9.29	1.001	ok	1.002	0.942-1.062
4-Ethyltoluene	17.76	15.32	1.159	ok	1.159	1.099-1.219
Freon 113	7.16	9.29	0.803	ok	0.803	0.743-0.863
Freon 114	4.85	9.29	0.522	ok	0.522	0.462-0.582
Heptane	12.02	11.09	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.26	15.32	1.388	ok	1.388	1.328-1.448
Hexane	9.31	9.29	1.002	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ511-IC511	Q11348.D	06/15/09 10:17	DFT	0.5	GCMSQ	TO-15	
MSQ511-IC511	Q11349.D	06/15/09 10:59	DFT	0.2	GCMSQ	TO-15	
MSQ511-IC511	Q11350.D	06/15/09 11:40	DFT	2	GCMSQ	TO-15	
MSQ511-IC511	Q11351.D	06/15/09 12:21	DFT	5	GCMSQ	TO-15	
MSQ511-ICC511	Q11352.D	06/15/09 13:03	DFT	10	GCMSQ	TO-15	
MSQ511-IC511	Q11353.D	06/15/09 13:46	DFT	20	GCMSQ	TO-15	
MSQ511-IC511	Q11354.D	06/15/09 14:31	DFT	40	GCMSQ	TO-15	Reporting this level

5.7.2

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.75	15.32	0.898	ok	0.898	0.838-0.958
Isopropylbenzene	17.05	15.32	1.113	ok	1.114	1.054-1.174
Isopropyl Alcohol	6.48	9.29	0.698	ok	0.698	0.638-0.758
Methylene chloride	7.20	9.29	0.775	ok	0.775	0.715-0.835
Methyl ethyl ketone	8.68	9.29	0.934	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.59	11.09	1.135	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.36	9.29	0.900	ok	0.901	0.841-0.961
Nonane	16.61	15.32	1.084	ok	1.084	1.024-1.144
Pentane	6.80	9.29	0.732	ok	0.733	0.673-0.793
Propylene	4.47	9.29	0.481	ok	0.482	0.422-0.542
Styrene	16.31	15.32	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.35	9.29	1.114	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.42	15.32	1.072	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.26	11.09	1.196	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.78	15.32	1.356	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.29	15.32	1.194	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.84	15.32	1.164	ok	1.164	1.104-1.224
2,2,4-Trimethylpentane	11.79	11.09	1.063	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.09	9.29	0.763	ok	0.764	0.704-0.824
Tetrachloroethylene	14.67	15.32	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.77	9.29	1.052	ok	1.054	0.994-1.114
Toluene	13.54	11.09	1.221	ok	1.221	1.161-1.281
Trichloroethylene	11.78	11.09	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.44	9.29	0.693	ok	0.694	0.634-0.754
Vinyl chloride	4.99	9.29	0.537	ok	0.537	0.477-0.597
Vinyl Acetate	8.44	9.29	0.909	ok	0.909	0.849-0.969
m,p-Xylene	15.93	15.32	1.040	ok	1.040	0.980-1.100
o-Xylene	16.43	15.32	1.072	ok	1.072	1.012-1.132

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.29	ok	9.28	8.95-9.61	222595	ok	171590	102954-240226
1,4-Difluorobenzene	11.09	ok	11.08	10.75-11.41	1041520	ok	830207	498124-1162290
Chlorobenzene-D5	15.32	ok	15.31	14.98-15.64	948404	ok	706347	423808-988886

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ513-IC513	Q11407.D	06/19/09 09:35	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ513-IC513	Q11408.D	06/19/09 10:17	DFT	0.2	GCMSQ	TO-15	
MSQ513-IC513	Q11409.D	06/19/09 10:58	DFT	2	GCMSQ	TO-15	
MSQ513-IC513	Q11410.D	06/19/09 11:41	DFT	5	GCMSQ	TO-15	
MSQ513-ICC513	Q11411.D	06/19/09 12:23	DFT	10	GCMSQ	TO-15	
MSQ513-IC513	Q11412.D	06/19/09 13:06	DFT	20	GCMSQ	TO-15	
MSQ513-IC513	Q11415.D	06/19/09 16:15	DFT	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.25	9.28	0.673	ok	0.673	0.613-0.733
1,3-Butadiene	5.14	9.28	0.554	ok	0.554	0.494-0.614
Benzene	10.78	11.08	0.973	ok	0.973	0.913-1.033
Bromodichloromethane	11.72	11.08	1.058	ok	1.059	0.999-1.119
Bromoform	16.03	15.30	1.048	ok	1.047	0.987-1.107
Bromomethane	5.44	9.28	0.586	ok	0.587	0.527-0.647
Bromoethene	6.00	9.28	0.647	ok	0.647	0.587-0.707
Benzyl Chloride	18.44	15.30	1.205	ok	1.205	1.145-1.265
Carbon disulfide	7.53	9.28	0.811	ok	0.811	0.751-0.871
Chlorobenzene	15.35	15.30	1.003	ok	1.003	0.943-1.063
Chloroethane	5.62	9.28	0.606	ok	0.606	0.546-0.666
Chloroform	9.39	9.28	1.012	ok	1.012	0.952-1.072
Chloromethane	4.73	9.28	0.510	ok	0.510	0.450-0.570
3-Chloropropene	7.32	9.28	0.789	ok	0.789	0.729-0.849
2-Chlorotoluene	17.57	15.30	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.92	9.28	1.177	ok	1.177	1.117-1.237
Cyclohexane	11.05	11.08	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.32	9.28	0.897	ok	0.896	0.836-0.956
1,1-Dichloroethylene	7.09	9.28	0.764	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.21	15.30	0.929	ok	0.929	0.869-0.989
1,2-Dichloroethane	10.10	9.28	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.55	11.08	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.77	11.08	1.062	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.55	9.28	0.490	ok	0.490	0.430-0.550
Dibromochloromethane	13.96	15.30	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.12	9.28	0.875	ok	0.876	0.816-0.936
cis-1,2-Dichloroethylene	9.12	9.28	0.983	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.57	11.08	1.134	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.46	15.30	1.207	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.91	15.30	1.236	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.53	15.30	1.211	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.06	11.08	1.179	ok	1.179	1.119-1.239
Ethanol	5.74	9.28	0.619	ok	0.617	0.557-0.677
Ethylbenzene	15.72	15.30	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.30	9.28	1.002	ok	1.002	0.942-1.062
4-Ethyltoluene	17.74	15.30	1.159	ok	1.159	1.099-1.219
Freon 113	7.45	9.28	0.803	ok	0.804	0.744-0.864
Freon 114	4.85	9.28	0.523	ok	0.522	0.462-0.582
Heptane	12.01	11.08	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.25	15.30	1.389	ok	1.389	1.329-1.449
Hexane	9.31	9.28	1.003	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ513-IC513	Q11407.D	06/19/09 09:35	DFT	0.5	GCMSQ	TO-15	Reporting this level
MSQ513-IC513	Q11408.D	06/19/09 10:17	DFT	0.2	GCMSQ	TO-15	
MSQ513-IC513	Q11409.D	06/19/09 10:58	DFT	2	GCMSQ	TO-15	
MSQ513-IC513	Q11410.D	06/19/09 11:41	DFT	5	GCMSQ	TO-15	
MSQ513-ICC513	Q11411.D	06/19/09 12:23	DFT	10	GCMSQ	TO-15	
MSQ513-IC513	Q11412.D	06/19/09 13:06	DFT	20	GCMSQ	TO-15	
MSQ513-IC513	Q11415.D	06/19/09 16:15	DFT	40	GCMSQ	TO-15	

5.7.3

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.74	15.30	0.898	ok	0.898	0.838-0.958
Isopropylbenzene	17.04	15.30	1.114	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.49	9.28	0.699	ok	0.698	0.638-0.758
Methylene chloride	7.19	9.28	0.775	ok	0.775	0.715-0.835
Methyl ethyl ketone	8.69	9.28	0.936	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.58	11.08	1.135	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.37	9.28	0.902	ok	0.901	0.841-0.961
Nonane	16.59	15.30	1.084	ok	1.084	1.024-1.144
Pentane	6.80	9.28	0.733	ok	0.733	0.673-0.793
Propylene	4.48	9.28	0.483	ok	0.482	0.422-0.542
Styrene	16.29	15.30	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.34	9.28	1.114	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.40	15.30	1.072	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.24	11.08	1.195	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.78	15.30	1.358	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.28	15.30	1.195	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.82	15.30	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.79	11.08	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.10	9.28	0.765	ok	0.764	0.704-0.824
Tetrachloroethylene	14.66	15.30	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.80	9.28	1.056	ok	1.054	0.994-1.114
Toluene	13.53	11.08	1.221	ok	1.221	1.161-1.281
Trichloroethylene	11.76	11.08	1.061	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.44	9.28	0.694	ok	0.694	0.634-0.754
Vinyl chloride	4.98	9.28	0.537	ok	0.537	0.477-0.597
Vinyl Acetate	8.43	9.28	0.908	ok	0.908	0.848-0.968
m,p-Xylene	15.91	15.30	1.040	ok	1.040	0.980-1.100
o-Xylene	16.41	15.30	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	197533	ok	171462	102877-240047
1,4-Difluorobenzene	11.08	ok	11.08	10.75-11.41	965321	ok	816046	489628-1142464
Chlorobenzene-D5	15.30	ok	15.31	14.98-15.64	839794	ok	727744	436646-1018842

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ513-IC513	Q11407.D	06/19/09 09:35	DFT	0.5	GCMSQ	TO-15	
MSQ513-IC513	Q11408.D	06/19/09 10:17	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ513-IC513	Q11409.D	06/19/09 10:58	DFT	2	GCMSQ	TO-15	
MSQ513-IC513	Q11410.D	06/19/09 11:41	DFT	5	GCMSQ	TO-15	
MSQ513-ICC513	Q11411.D	06/19/09 12:23	DFT	10	GCMSQ	TO-15	
MSQ513-IC513	Q11412.D	06/19/09 13:06	DFT	20	GCMSQ	TO-15	
MSQ513-IC513	Q11415.D	06/19/09 16:15	DFT	40	GCMSQ	TO-15	

5.7.3

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.27	9.28	0.676	ok	0.673	0.613-0.733
1,3-Butadiene	5.14	9.28	0.554	ok	0.554	0.494-0.614
Benzene	10.79	11.08	0.974	ok	0.973	0.913-1.033
Bromodichloromethane	11.73	11.08	1.059	ok	1.059	0.999-1.119
Bromoform	16.03	15.31	1.047	ok	1.047	0.987-1.107
Bromomethane	5.45	9.28	0.587	ok	0.587	0.527-0.647
Bromoethene	6.01	9.28	0.648	ok	0.647	0.587-0.707
Benzyl Chloride	18.44	15.31	1.204	ok	1.205	1.145-1.265
Carbon disulfide	7.53	9.28	0.811	ok	0.811	0.751-0.871
Chlorobenzene	15.35	15.31	1.003	ok	1.003	0.943-1.063
Chloroethane	5.62	9.28	0.606	ok	0.606	0.546-0.666
Chloroform	9.39	9.28	1.012	ok	1.012	0.952-1.072
Chloromethane	4.73	9.28	0.510	ok	0.510	0.450-0.570
3-Chloropropene	7.32	9.28	0.789	ok	0.789	0.729-0.849
2-Chlorotoluene	17.58	15.31	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.93	9.28	1.178	ok	1.177	1.117-1.237
Cyclohexane	11.05	11.08	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.33	9.28	0.898	ok	0.896	0.836-0.956
1,1-Dichloroethylene	7.08	9.28	0.763	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.21	15.31	0.928	ok	0.929	0.869-0.989
1,2-Dichloroethane	10.10	9.28	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.55	11.08	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.79	11.08	1.064	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.56	9.28	0.491	ok	0.490	0.430-0.550
Dibromochloromethane	13.96	15.31	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.12	9.28	0.875	ok	0.876	0.816-0.936
cis-1,2-Dichloroethylene	9.12	9.28	0.983	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.57	11.08	1.134	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.47	15.31	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.91	15.31	1.235	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.54	15.31	1.211	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.07	11.08	1.180	ok	1.179	1.119-1.239
Ethanol	5.75	9.28	0.620	ok	0.617	0.557-0.677
Ethylbenzene	15.72	15.31	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.32	9.28	1.004	ok	1.002	0.942-1.062
4-Ethyltoluene	17.75	15.31	1.159	ok	1.159	1.099-1.219
Freon 113	7.47	9.28	0.805	ok	0.804	0.744-0.864
Freon 114	4.85	9.28	0.523	ok	0.522	0.462-0.582
Heptane	12.01	11.08	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.26	15.31	1.389	ok	1.389	1.329-1.449
Hexane	9.31	9.28	1.003	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ513-IC513	Q11407.D	06/19/09 09:35	DFT	0.5	GCMSQ	TO-15	
MSQ513-IC513	Q11408.D	06/19/09 10:17	DFT	0.2	GCMSQ	TO-15	Reporting this level
MSQ513-IC513	Q11409.D	06/19/09 10:58	DFT	2	GCMSQ	TO-15	
MSQ513-IC513	Q11410.D	06/19/09 11:41	DFT	5	GCMSQ	TO-15	
MSQ513-ICC513	Q11411.D	06/19/09 12:23	DFT	10	GCMSQ	TO-15	
MSQ513-IC513	Q11412.D	06/19/09 13:06	DFT	20	GCMSQ	TO-15	
MSQ513-IC513	Q11415.D	06/19/09 16:15	DFT	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.75	15.31	0.898	ok	0.898	0.838-0.958
Isopropylbenzene	17.04	15.31	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.50	9.28	0.700	ok	0.698	0.638-0.758
Methylene chloride	7.20	9.28	0.776	ok	0.775	0.715-0.835
Methyl ethyl ketone	8.70	9.28	0.938	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.59	11.08	1.136	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.38	9.28	0.903	ok	0.901	0.841-0.961
Nonane	16.60	15.31	1.084	ok	1.084	1.024-1.144
Pentane	6.81	9.28	0.734	ok	0.733	0.673-0.793
Propylene	4.47	9.28	0.482	ok	0.482	0.422-0.542
Styrene	16.30	15.31	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.35	9.28	1.115	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.40	15.31	1.071	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.25	11.08	1.196	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.78	15.31	1.357	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.28	15.31	1.194	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.82	15.31	1.164	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.78	11.08	1.063	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.12	9.28	0.767	ok	0.764	0.704-0.824
Tetrachloroethylene	14.66	15.31	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.80	9.28	1.056	ok	1.054	0.994-1.114
Toluene	13.53	11.08	1.221	ok	1.221	1.161-1.281
Trichloroethylene	11.77	11.08	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.45	9.28	0.695	ok	0.694	0.634-0.754
Vinyl chloride	4.98	9.28	0.537	ok	0.537	0.477-0.597
Vinyl Acetate	8.44	9.28	0.909	ok	0.908	0.848-0.968
m,p-Xylene	15.92	15.31	1.040	ok	1.040	0.980-1.100
o-Xylene	16.42	15.31	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	165409	ok	171462	102877-240047
1,4-Difluorobenzene	11.08	ok	11.08	10.75-11.41	776394	ok	816046	489628-1142464
Chlorobenzene-D5	15.31	ok	15.31	14.98-15.64	654915	ok	727744	436646-1018842

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ513-IC513	Q11407.D	06/19/09 09:35	DFT	0.5	GCMSQ	TO-15	
MSQ513-IC513	Q11408.D	06/19/09 10:17	DFT	0.2	GCMSQ	TO-15	
MSQ513-IC513	Q11409.D	06/19/09 10:58	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ513-IC513	Q11410.D	06/19/09 11:41	DFT	5	GCMSQ	TO-15	
MSQ513-ICC513	Q11411.D	06/19/09 12:23	DFT	10	GCMSQ	TO-15	
MSQ513-IC513	Q11412.D	06/19/09 13:06	DFT	20	GCMSQ	TO-15	
MSQ513-IC513	Q11415.D	06/19/09 16:15	DFT	40	GCMSQ	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.25	9.28	0.673	ok	0.673	0.613-0.733
1,3-Butadiene	5.13	9.28	0.553	ok	0.554	0.494-0.614
Benzene	10.78	11.08	0.973	ok	0.973	0.913-1.033
Bromodichloromethane	11.73	11.08	1.059	ok	1.059	0.999-1.119
Bromoform	16.03	15.31	1.047	ok	1.047	0.987-1.107
Bromomethane	5.45	9.28	0.587	ok	0.587	0.527-0.647
Bromoethene	6.01	9.28	0.648	ok	0.647	0.587-0.707
Benzyl Chloride	18.44	15.31	1.204	ok	1.205	1.145-1.265
Carbon disulfide	7.54	9.28	0.812	ok	0.811	0.751-0.871
Chlorobenzene	15.35	15.31	1.003	ok	1.003	0.943-1.063
Chloroethane	5.63	9.28	0.607	ok	0.606	0.546-0.666
Chloroform	9.40	9.28	1.013	ok	1.012	0.952-1.072
Chloromethane	4.73	9.28	0.510	ok	0.510	0.450-0.570
3-Chloropropene	7.32	9.28	0.789	ok	0.789	0.729-0.849
2-Chlorotoluene	17.57	15.31	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.93	9.28	1.178	ok	1.177	1.117-1.237
Cyclohexane	11.05	11.08	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.32	9.28	0.897	ok	0.896	0.836-0.956
1,1-Dichloroethylene	7.09	9.28	0.764	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.21	15.31	0.928	ok	0.929	0.869-0.989
1,2-Dichloroethane	10.10	9.28	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.55	11.08	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.76	11.08	1.061	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.55	9.28	0.490	ok	0.490	0.430-0.550
Dibromochloromethane	13.96	15.31	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.13	9.28	0.876	ok	0.876	0.816-0.936
cis-1,2-Dichloroethylene	9.12	9.28	0.983	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.57	11.08	1.134	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.46	15.31	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.91	15.31	1.235	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.53	15.31	1.210	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.06	11.08	1.179	ok	1.179	1.119-1.239
Ethanol	5.73	9.28	0.617	ok	0.617	0.557-0.677
Ethylbenzene	15.72	15.31	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.29	9.28	1.001	ok	1.002	0.942-1.062
4-Ethyltoluene	17.75	15.31	1.159	ok	1.159	1.099-1.219
Freon 113	7.46	9.28	0.804	ok	0.804	0.744-0.864
Freon 114	4.85	9.28	0.523	ok	0.522	0.462-0.582
Heptane	12.01	11.08	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.25	15.31	1.388	ok	1.389	1.329-1.449
Hexane	9.31	9.28	1.003	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ513-IC513	Q11407.D	06/19/09 09:35	DFT	0.5	GCMSQ	TO-15	
MSQ513-IC513	Q11408.D	06/19/09 10:17	DFT	0.2	GCMSQ	TO-15	
MSQ513-IC513	Q11409.D	06/19/09 10:58	DFT	2	GCMSQ	TO-15	Reporting this level
MSQ513-IC513	Q11410.D	06/19/09 11:41	DFT	5	GCMSQ	TO-15	
MSQ513-ICC513	Q11411.D	06/19/09 12:23	DFT	10	GCMSQ	TO-15	
MSQ513-IC513	Q11412.D	06/19/09 13:06	DFT	20	GCMSQ	TO-15	
MSQ513-IC513	Q11415.D	06/19/09 16:15	DFT	40	GCMSQ	TO-15	

5.7.3

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.73	15.31	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	17.04	15.31	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.47	9.28	0.697	ok	0.698	0.638-0.758
Methylene chloride	7.19	9.28	0.775	ok	0.775	0.715-0.835
Methyl ethyl ketone	8.68	9.28	0.935	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.58	11.08	1.135	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.36	9.28	0.901	ok	0.901	0.841-0.961
Nonane	16.60	15.31	1.084	ok	1.084	1.024-1.144
Pentane	6.80	9.28	0.733	ok	0.733	0.673-0.793
Propylene	4.46	9.28	0.481	ok	0.482	0.422-0.542
Styrene	16.30	15.31	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.35	9.28	1.115	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.40	15.31	1.071	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.25	11.08	1.196	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.78	15.31	1.357	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.27	15.31	1.193	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.83	15.31	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.79	11.08	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.09	9.28	0.764	ok	0.764	0.704-0.824
Tetrachloroethylene	14.66	15.31	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.78	9.28	1.054	ok	1.054	0.994-1.114
Toluene	13.53	11.08	1.221	ok	1.221	1.161-1.281
Trichloroethylene	11.77	11.08	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.44	9.28	0.694	ok	0.694	0.634-0.754
Vinyl chloride	4.99	9.28	0.538	ok	0.537	0.477-0.597
Vinyl Acetate	8.43	9.28	0.908	ok	0.908	0.848-0.968
m,p-Xylene	15.90	15.31	1.039	ok	1.040	0.980-1.100
o-Xylene	16.42	15.31	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	128825	ok	171462	102877-240047
1,4-Difluorobenzene	11.08	ok	11.08	10.75-11.41	613288	ok	816046	489628-1142464
Chlorobenzene-D5	15.31	ok	15.31	14.98-15.64	542917	ok	727744	436646-1018842

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ513-IC513	Q11407.D	06/19/09 09:35	DFT	0.5	GCMSQ	TO-15	
MSQ513-IC513	Q11408.D	06/19/09 10:17	DFT	0.2	GCMSQ	TO-15	
MSQ513-IC513	Q11409.D	06/19/09 10:58	DFT	2	GCMSQ	TO-15	
MSQ513-IC513	Q11410.D	06/19/09 11:41	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ513-ICC513	Q11411.D	06/19/09 12:23	DFT	10	GCMSQ	TO-15	
MSQ513-IC513	Q11412.D	06/19/09 13:06	DFT	20	GCMSQ	TO-15	
MSQ513-IC513	Q11415.D	06/19/09 16:15	DFT	40	GCMSQ	TO-15	

5.7.3

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.24	9.28	0.672	ok	0.673	0.613-0.733
1,3-Butadiene	5.14	9.28	0.554	ok	0.554	0.494-0.614
Benzene	10.79	11.08	0.974	ok	0.973	0.913-1.033
Bromodichloromethane	11.73	11.08	1.059	ok	1.059	0.999-1.119
Bromoform	16.03	15.31	1.047	ok	1.047	0.987-1.107
Bromomethane	5.45	9.28	0.587	ok	0.587	0.527-0.647
Bromoethene	6.01	9.28	0.648	ok	0.647	0.587-0.707
Benzyl Chloride	18.44	15.31	1.204	ok	1.205	1.145-1.265
Carbon disulfide	7.53	9.28	0.811	ok	0.811	0.751-0.871
Chlorobenzene	15.35	15.31	1.003	ok	1.003	0.943-1.063
Chloroethane	5.63	9.28	0.607	ok	0.606	0.546-0.666
Chloroform	9.39	9.28	1.012	ok	1.012	0.952-1.072
Chloromethane	4.74	9.28	0.511	ok	0.510	0.450-0.570
3-Chloropropene	7.32	9.28	0.789	ok	0.789	0.729-0.849
2-Chlorotoluene	17.57	15.31	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.93	9.28	1.178	ok	1.177	1.117-1.237
Cyclohexane	11.05	11.08	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.32	9.28	0.897	ok	0.896	0.836-0.956
1,1-Dichloroethylene	7.09	9.28	0.764	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.21	15.31	0.928	ok	0.929	0.869-0.989
1,2-Dichloroethane	10.10	9.28	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.55	11.08	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.75	11.08	1.060	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.55	9.28	0.490	ok	0.490	0.430-0.550
Dibromochloromethane	13.96	15.31	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.13	9.28	0.876	ok	0.876	0.816-0.936
cis-1,2-Dichloroethylene	9.12	9.28	0.983	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.57	11.08	1.134	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.46	15.31	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.91	15.31	1.235	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.53	15.31	1.210	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.06	11.08	1.179	ok	1.179	1.119-1.239
Ethanol	5.73	9.28	0.617	ok	0.617	0.557-0.677
Ethylbenzene	15.73	15.31	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.30	9.28	1.002	ok	1.002	0.942-1.062
4-Ethyltoluene	17.75	15.31	1.159	ok	1.159	1.099-1.219
Freon 113	7.46	9.28	0.804	ok	0.804	0.744-0.864
Freon 114	4.85	9.28	0.523	ok	0.522	0.462-0.582
Heptane	12.01	11.08	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.26	15.31	1.389	ok	1.389	1.329-1.449
Hexane	9.32	9.28	1.004	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ513-IC513	Q11407.D	06/19/09 09:35	DFT	0.5	GCMSQ	TO-15	
MSQ513-IC513	Q11408.D	06/19/09 10:17	DFT	0.2	GCMSQ	TO-15	
MSQ513-IC513	Q11409.D	06/19/09 10:58	DFT	2	GCMSQ	TO-15	
MSQ513-IC513	Q11410.D	06/19/09 11:41	DFT	5	GCMSQ	TO-15	Reporting this level
MSQ513-ICC513	Q11411.D	06/19/09 12:23	DFT	10	GCMSQ	TO-15	
MSQ513-IC513	Q11412.D	06/19/09 13:06	DFT	20	GCMSQ	TO-15	
MSQ513-IC513	Q11415.D	06/19/09 16:15	DFT	40	GCMSQ	TO-15	

5.7.3

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.74	15.31	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	17.04	15.31	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.47	9.28	0.697	ok	0.698	0.638-0.758
Methylene chloride	7.20	9.28	0.776	ok	0.775	0.715-0.835
Methyl ethyl ketone	8.68	9.28	0.935	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.58	11.08	1.135	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.35	9.28	0.900	ok	0.901	0.841-0.961
Nonane	16.60	15.31	1.084	ok	1.084	1.024-1.144
Pentane	6.80	9.28	0.733	ok	0.733	0.673-0.793
Propylene	4.48	9.28	0.483	ok	0.482	0.422-0.542
Styrene	16.30	15.31	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.35	9.28	1.115	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.41	15.31	1.072	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.25	11.08	1.196	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.77	15.31	1.357	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.28	15.31	1.194	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.82	15.31	1.164	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.79	11.08	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.08	9.28	0.763	ok	0.764	0.704-0.824
Tetrachloroethylene	14.66	15.31	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.78	9.28	1.054	ok	1.054	0.994-1.114
Toluene	13.53	11.08	1.221	ok	1.221	1.161-1.281
Trichloroethylene	11.77	11.08	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.44	9.28	0.694	ok	0.694	0.634-0.754
Vinyl chloride	4.98	9.28	0.537	ok	0.537	0.477-0.597
Vinyl Acetate	8.43	9.28	0.908	ok	0.908	0.848-0.968
m,p-Xylene	15.92	15.31	1.040	ok	1.040	0.980-1.100
o-Xylene	16.42	15.31	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	157307	ok	171462	102877-240047
1,4-Difluorobenzene	11.08	ok	11.08	10.75-11.41	745358	ok	816046	489628-1142464
Chlorobenzene-D5	15.31	ok	15.31	14.98-15.64	649795	ok	727744	436646-1018842

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ513-IC513	Q11407.D	06/19/09 09:35	DFT	0.5	GCMSQ	TO-15	
MSQ513-IC513	Q11408.D	06/19/09 10:17	DFT	0.2	GCMSQ	TO-15	
MSQ513-IC513	Q11409.D	06/19/09 10:58	DFT	2	GCMSQ	TO-15	
MSQ513-IC513	Q11410.D	06/19/09 11:41	DFT	5	GCMSQ	TO-15	
MSQ513-ICC513	Q11411.D	06/19/09 12:23	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ513-IC513	Q11412.D	06/19/09 13:06	DFT	20	GCMSQ	TO-15	
MSQ513-IC513	Q11415.D	06/19/09 16:15	DFT	40	GCMSQ	TO-15	

5.7.3

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.24	9.28	0.672	ok	0.673	0.613-0.733
1,3-Butadiene	5.15	9.28	0.555	ok	0.554	0.494-0.614
Benzene	10.79	11.08	0.974	ok	0.973	0.913-1.033
Bromodichloromethane	11.73	11.08	1.059	ok	1.059	0.999-1.119
Bromoform	16.03	15.31	1.047	ok	1.047	0.987-1.107
Bromomethane	5.44	9.28	0.586	ok	0.587	0.527-0.647
Bromoethene	6.01	9.28	0.648	ok	0.647	0.587-0.707
Benzyl Chloride	18.44	15.31	1.204	ok	1.205	1.145-1.265
Carbon disulfide	7.54	9.28	0.812	ok	0.811	0.751-0.871
Chlorobenzene	15.36	15.31	1.003	ok	1.003	0.943-1.063
Chloroethane	5.63	9.28	0.607	ok	0.606	0.546-0.666
Chloroform	9.40	9.28	1.013	ok	1.012	0.952-1.072
Chloromethane	4.74	9.28	0.511	ok	0.510	0.450-0.570
3-Chloropropene	7.33	9.28	0.790	ok	0.789	0.729-0.849
2-Chlorotoluene	17.57	15.31	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.93	9.28	1.178	ok	1.177	1.117-1.237
Cyclohexane	11.06	11.08	0.998	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.32	9.28	0.897	ok	0.896	0.836-0.956
1,1-Dichloroethylene	7.09	9.28	0.764	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.22	15.31	0.929	ok	0.929	0.869-0.989
1,2-Dichloroethane	10.10	9.28	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.55	11.08	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.75	11.08	1.060	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.56	9.28	0.491	ok	0.490	0.430-0.550
Dibromochloromethane	13.96	15.31	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.13	9.28	0.876	ok	0.876	0.816-0.936
cis-1,2-Dichloroethylene	9.12	9.28	0.983	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.58	11.08	1.135	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.46	15.31	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.91	15.31	1.235	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.54	15.31	1.211	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.07	11.08	1.180	ok	1.179	1.119-1.239
Ethanol	5.71	9.28	0.615	ok	0.617	0.557-0.677
Ethylbenzene	15.73	15.31	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.29	9.28	1.001	ok	1.002	0.942-1.062
4-Ethyltoluene	17.75	15.31	1.159	ok	1.159	1.099-1.219
Freon 113	7.46	9.28	0.804	ok	0.804	0.744-0.864
Freon 114	4.85	9.28	0.523	ok	0.522	0.462-0.582
Heptane	12.01	11.08	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.26	15.31	1.389	ok	1.389	1.329-1.449
Hexane	9.31	9.28	1.003	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ513-IC513	Q11407.D	06/19/09 09:35	DFT	0.5	GCMSQ	TO-15	
MSQ513-IC513	Q11408.D	06/19/09 10:17	DFT	0.2	GCMSQ	TO-15	
MSQ513-IC513	Q11409.D	06/19/09 10:58	DFT	2	GCMSQ	TO-15	
MSQ513-IC513	Q11410.D	06/19/09 11:41	DFT	5	GCMSQ	TO-15	
MSQ513-ICC513	Q11411.D	06/19/09 12:23	DFT	10	GCMSQ	TO-15	Reporting this level
MSQ513-IC513	Q11412.D	06/19/09 13:06	DFT	20	GCMSQ	TO-15	
MSQ513-IC513	Q11415.D	06/19/09 16:15	DFT	40	GCMSQ	TO-15	

5.7.3

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.74	15.31	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	17.04	15.31	1.113	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.47	9.28	0.697	ok	0.698	0.638-0.758
Methylene chloride	7.20	9.28	0.776	ok	0.775	0.715-0.835
Methyl ethyl ketone	8.67	9.28	0.934	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.58	11.08	1.135	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.35	9.28	0.900	ok	0.901	0.841-0.961
Nonane	16.60	15.31	1.084	ok	1.084	1.024-1.144
Pentane	6.80	9.28	0.733	ok	0.733	0.673-0.793
Propylene	4.47	9.28	0.482	ok	0.482	0.422-0.542
Styrene	16.30	15.31	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.35	9.28	1.115	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.41	15.31	1.072	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.25	11.08	1.196	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.77	15.31	1.357	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.28	15.31	1.194	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.83	15.31	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.79	11.08	1.064	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.08	9.28	0.763	ok	0.764	0.704-0.824
Tetrachloroethylene	14.66	15.31	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.77	9.28	1.053	ok	1.054	0.994-1.114
Toluene	13.53	11.08	1.221	ok	1.221	1.161-1.281
Trichloroethylene	11.77	11.08	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.44	9.28	0.694	ok	0.694	0.634-0.754
Vinyl chloride	4.99	9.28	0.538	ok	0.537	0.477-0.597
Vinyl Acetate	8.43	9.28	0.908	ok	0.908	0.848-0.968
m,p-Xylene	15.92	15.31	1.040	ok	1.040	0.980-1.100
o-Xylene	16.42	15.31	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.28	ok	9.28	8.95-9.61	163599	ok	171462	102877-240047
1,4-Difluorobenzene	11.08	ok	11.08	10.75-11.41	781371	ok	816046	489628-1142464
Chlorobenzene-D5	15.31	ok	15.31	14.98-15.64	683427	ok	727744	436646-1018842

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ513-IC513	Q11407.D	06/19/09 09:35	DFT	0.5	GCMSQ	TO-15	
MSQ513-IC513	Q11408.D	06/19/09 10:17	DFT	0.2	GCMSQ	TO-15	
MSQ513-IC513	Q11409.D	06/19/09 10:58	DFT	2	GCMSQ	TO-15	
MSQ513-IC513	Q11410.D	06/19/09 11:41	DFT	5	GCMSQ	TO-15	
MSQ513-ICC513	Q11411.D	06/19/09 12:23	DFT	10	GCMSQ	TO-15	
MSQ513-IC513	Q11412.D	06/19/09 13:06	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ513-IC513	Q11415.D	06/19/09 16:15	DFT	40	GCMSQ	TO-15	

5.7.3

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.23	9.29	0.671	ok	0.673	0.613-0.733
1,3-Butadiene	5.14	9.29	0.553	ok	0.554	0.494-0.614
Benzene	10.79	11.09	0.973	ok	0.973	0.913-1.033
Bromodichloromethane	11.74	11.09	1.059	ok	1.059	0.999-1.119
Bromoform	16.04	15.31	1.048	ok	1.047	0.987-1.107
Bromomethane	5.45	9.29	0.587	ok	0.587	0.527-0.647
Bromoethene	6.01	9.29	0.647	ok	0.647	0.587-0.707
Benzyl Chloride	18.44	15.31	1.204	ok	1.205	1.145-1.265
Carbon disulfide	7.53	9.29	0.811	ok	0.811	0.751-0.871
Chlorobenzene	15.36	15.31	1.003	ok	1.003	0.943-1.063
Chloroethane	5.63	9.29	0.606	ok	0.606	0.546-0.666
Chloroform	9.40	9.29	1.012	ok	1.012	0.952-1.072
Chloromethane	4.74	9.29	0.510	ok	0.510	0.450-0.570
3-Chloropropene	7.32	9.29	0.788	ok	0.789	0.729-0.849
2-Chlorotoluene	17.58	15.31	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.93	9.29	1.177	ok	1.177	1.117-1.237
Cyclohexane	11.06	11.09	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.32	9.29	0.896	ok	0.896	0.836-0.956
1,1-Dichloroethylene	7.09	9.29	0.763	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.22	15.31	0.929	ok	0.929	0.869-0.989
1,2-Dichloroethane	10.11	9.29	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.55	11.09	1.041	ok	1.042	0.982-1.102
1,4-Dioxane	11.75	11.09	1.060	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.55	9.29	0.490	ok	0.490	0.430-0.550
Dibromochloromethane	13.97	15.31	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.13	9.29	0.875	ok	0.876	0.816-0.936
cis-1,2-Dichloroethylene	9.12	9.29	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.58	11.09	1.134	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.47	15.31	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.92	15.31	1.236	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.54	15.31	1.211	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.07	11.09	1.179	ok	1.179	1.119-1.239
Ethanol	5.73	9.29	0.617	ok	0.617	0.557-0.677
Ethylbenzene	15.73	15.31	1.027	ok	1.027	0.967-1.087
Ethyl Acetate	9.30	9.29	1.001	ok	1.002	0.942-1.062
4-Ethyltoluene	17.75	15.31	1.159	ok	1.159	1.099-1.219
Freon 113	7.46	9.29	0.803	ok	0.804	0.744-0.864
Freon 114	4.85	9.29	0.522	ok	0.522	0.462-0.582
Heptane	12.02	11.09	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.26	15.31	1.389	ok	1.389	1.329-1.449
Hexane	9.31	9.29	1.002	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ513-IC513	Q11407.D	06/19/09 09:35	DFT	0.5	GCMSQ	TO-15	
MSQ513-IC513	Q11408.D	06/19/09 10:17	DFT	0.2	GCMSQ	TO-15	
MSQ513-IC513	Q11409.D	06/19/09 10:58	DFT	2	GCMSQ	TO-15	
MSQ513-IC513	Q11410.D	06/19/09 11:41	DFT	5	GCMSQ	TO-15	
MSQ513-ICC513	Q11411.D	06/19/09 12:23	DFT	10	GCMSQ	TO-15	
MSQ513-IC513	Q11412.D	06/19/09 13:06	DFT	20	GCMSQ	TO-15	Reporting this level
MSQ513-IC513	Q11415.D	06/19/09 16:15	DFT	40	GCMSQ	TO-15	

5.7.3

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.74	15.31	0.897	ok	0.898	0.838-0.958
Isopropylbenzene	17.05	15.31	1.114	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.48	9.29	0.698	ok	0.698	0.638-0.758
Methylene chloride	7.20	9.29	0.775	ok	0.775	0.715-0.835
Methyl ethyl ketone	8.67	9.29	0.933	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.58	11.09	1.134	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.36	9.29	0.900	ok	0.901	0.841-0.961
Nonane	16.60	15.31	1.084	ok	1.084	1.024-1.144
Pentane	6.80	9.29	0.732	ok	0.733	0.673-0.793
Propylene	4.48	9.29	0.482	ok	0.482	0.422-0.542
Styrene	16.30	15.31	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.35	9.29	1.114	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.41	15.31	1.072	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.26	11.09	1.196	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.78	15.31	1.357	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.28	15.31	1.194	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.83	15.31	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.79	11.09	1.063	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.09	9.29	0.763	ok	0.764	0.704-0.824
Tetrachloroethylene	14.66	15.31	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.77	9.29	1.052	ok	1.054	0.994-1.114
Toluene	13.54	11.09	1.221	ok	1.221	1.161-1.281
Trichloroethylene	11.77	11.09	1.061	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.44	9.29	0.693	ok	0.694	0.634-0.754
Vinyl chloride	4.99	9.29	0.537	ok	0.537	0.477-0.597
Vinyl Acetate	8.43	9.29	0.907	ok	0.908	0.848-0.968
m,p-Xylene	15.92	15.31	1.040	ok	1.040	0.980-1.100
o-Xylene	16.42	15.31	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.29	ok	9.28	8.95-9.61	186396	ok	171462	102877-240047
1,4-Difluorobenzene	11.09	ok	11.08	10.75-11.41	876319	ok	816046	489628-1142464
Chlorobenzene-D5	15.31	ok	15.31	14.98-15.64	806271	ok	727744	436646-1018842

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ513-IC513	Q11407.D	06/19/09 09:35	DFT	0.5	GCMSQ	TO-15	
MSQ513-IC513	Q11408.D	06/19/09 10:17	DFT	0.2	GCMSQ	TO-15	
MSQ513-IC513	Q11409.D	06/19/09 10:58	DFT	2	GCMSQ	TO-15	
MSQ513-IC513	Q11410.D	06/19/09 11:41	DFT	5	GCMSQ	TO-15	
MSQ513-ICC513	Q11411.D	06/19/09 12:23	DFT	10	GCMSQ	TO-15	
MSQ513-IC513	Q11412.D	06/19/09 13:06	DFT	20	GCMSQ	TO-15	
MSQ513-IC513	Q11415.D	06/19/09 16:15	DFT	40	GCMSQ	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone	6.23	9.29	0.671	ok	0.673	0.613-0.733
1,3-Butadiene	5.14	9.29	0.553	ok	0.554	0.494-0.614
Benzene	10.79	11.09	0.973	ok	0.973	0.913-1.033
Bromodichloromethane	11.74	11.09	1.059	ok	1.059	0.999-1.119
Bromoform	16.05	15.31	1.048	ok	1.047	0.987-1.107
Bromomethane	5.44	9.29	0.586	ok	0.587	0.527-0.647
Bromoethene	6.00	9.29	0.646	ok	0.647	0.587-0.707
Benzyl Chloride	18.45	15.31	1.205	ok	1.205	1.145-1.265
Carbon disulfide	7.53	9.29	0.811	ok	0.811	0.751-0.871
Chlorobenzene	15.36	15.31	1.003	ok	1.003	0.943-1.063
Chloroethane	5.63	9.29	0.606	ok	0.606	0.546-0.666
Chloroform	9.41	9.29	1.013	ok	1.012	0.952-1.072
Chloromethane	4.74	9.29	0.510	ok	0.510	0.450-0.570
3-Chloropropene	7.32	9.29	0.788	ok	0.789	0.729-0.849
2-Chlorotoluene	17.58	15.31	1.148	ok	1.148	1.088-1.208
Carbon tetrachloride	10.93	9.29	1.177	ok	1.177	1.117-1.237
Cyclohexane	11.06	11.09	0.997	ok	0.997	0.937-1.057
1,1-Dichloroethane	8.32	9.29	0.896	ok	0.896	0.836-0.956
1,1-Dichloroethylene	7.09	9.29	0.763	ok	0.764	0.704-0.824
1,2-Dibromoethane	14.22	15.31	0.929	ok	0.929	0.869-0.989
1,2-Dichloroethane	10.11	9.29	1.088	ok	1.088	1.028-1.148
1,2-Dichloropropane	11.56	11.09	1.042	ok	1.042	0.982-1.102
1,4-Dioxane	11.75	11.09	1.060	ok	1.061	1.001-1.121
Dichlorodifluoromethane	4.55	9.29	0.490	ok	0.490	0.430-0.550
Dibromochloromethane	13.97	15.31	0.912	ok	0.912	0.852-0.972
trans-1,2-Dichloroethylene	8.13	9.29	0.875	ok	0.876	0.816-0.936
cis-1,2-Dichloroethylene	9.12	9.29	0.982	ok	0.982	0.922-1.042
cis-1,3-Dichloropropene	12.58	11.09	1.134	ok	1.135	1.075-1.195
m-Dichlorobenzene	18.47	15.31	1.206	ok	1.206	1.146-1.266
o-Dichlorobenzene	18.92	15.31	1.236	ok	1.235	1.175-1.295
p-Dichlorobenzene	18.55	15.31	1.212	ok	1.211	1.151-1.271
trans-1,3-Dichloropropene	13.08	11.09	1.179	ok	1.179	1.119-1.239
Ethanol	5.72	9.29	0.616	ok	0.617	0.557-0.677
Ethylbenzene	15.74	15.31	1.028	ok	1.027	0.967-1.087
Ethyl Acetate	9.30	9.29	1.001	ok	1.002	0.942-1.062
4-Ethyltoluene	17.76	15.31	1.160	ok	1.159	1.099-1.219
Freon 113	7.46	9.29	0.803	ok	0.804	0.744-0.864
Freon 114	4.84	9.29	0.521	ok	0.522	0.462-0.582
Heptane	12.02	11.09	1.084	ok	1.084	1.024-1.144
Hexachlorobutadiene	21.26	15.31	1.389	ok	1.389	1.329-1.449
Hexane	9.32	9.29	1.003	ok	1.003	0.943-1.063

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
MSQ513-IC513	Q11407.D	06/19/09 09:35	DFT	0.5	GCMSQ	TO-15	
MSQ513-IC513	Q11408.D	06/19/09 10:17	DFT	0.2	GCMSQ	TO-15	
MSQ513-IC513	Q11409.D	06/19/09 10:58	DFT	2	GCMSQ	TO-15	
MSQ513-IC513	Q11410.D	06/19/09 11:41	DFT	5	GCMSQ	TO-15	
MSQ513-ICC513	Q11411.D	06/19/09 12:23	DFT	10	GCMSQ	TO-15	
MSQ513-IC513	Q11412.D	06/19/09 13:06	DFT	20	GCMSQ	TO-15	
MSQ513-IC513	Q11415.D	06/19/09 16:15	DFT	40	GCMSQ	TO-15	Reporting this level

5.7.3

5

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
2-Hexanone	13.75	15.31	0.898	ok	0.898	0.838-0.958
Isopropylbenzene	17.05	15.31	1.114	ok	1.113	1.053-1.173
Isopropyl Alcohol	6.47	9.29	0.696	ok	0.698	0.638-0.758
Methylene chloride	7.20	9.29	0.775	ok	0.775	0.715-0.835
Methyl ethyl ketone	8.68	9.29	0.934	ok	0.935	0.875-0.995
Methyl Isobutyl Ketone	12.59	11.09	1.135	ok	1.135	1.075-1.195
Methyl Tert Butyl Ether	8.35	9.29	0.899	ok	0.901	0.841-0.961
Nonane	16.61	15.31	1.085	ok	1.084	1.024-1.144
Pentane	6.80	9.29	0.732	ok	0.733	0.673-0.793
Propylene	4.47	9.29	0.481	ok	0.482	0.422-0.542
Styrene	16.31	15.31	1.065	ok	1.065	1.005-1.125
1,1,1-Trichloroethane	10.35	9.29	1.114	ok	1.115	1.055-1.175
1,1,2,2-Tetrachloroethane	16.42	15.31	1.073	ok	1.072	1.012-1.132
1,1,2-Trichloroethane	13.26	11.09	1.196	ok	1.196	1.136-1.256
1,2,4-Trichlorobenzene	20.78	15.31	1.357	ok	1.357	1.297-1.417
1,2,4-Trimethylbenzene	18.29	15.31	1.195	ok	1.194	1.134-1.254
1,3,5-Trimethylbenzene	17.84	15.31	1.165	ok	1.165	1.105-1.225
2,2,4-Trimethylpentane	11.79	11.09	1.063	ok	1.064	1.004-1.124
Tertiary Butyl Alcohol	7.09	9.29	0.763	ok	0.764	0.704-0.824
Tetrachloroethylene	14.67	15.31	0.958	ok	0.958	0.898-1.018
Tetrahydrofuran	9.77	9.29	1.052	ok	1.054	0.994-1.114
Toluene	13.54	11.09	1.221	ok	1.221	1.161-1.281
Trichloroethylene	11.78	11.09	1.062	ok	1.062	1.002-1.122
Trichlorofluoromethane	6.44	9.29	0.693	ok	0.694	0.634-0.754
Vinyl chloride	4.99	9.29	0.537	ok	0.537	0.477-0.597
Vinyl Acetate	8.44	9.29	0.909	ok	0.908	0.848-0.968
m,p-Xylene	15.93	15.31	1.040	ok	1.040	0.980-1.100
o-Xylene	16.43	15.31	1.073	ok	1.073	1.013-1.133

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	9.29	ok	9.28	8.95-9.61	201162	ok	171462	102877-240047
1,4-Difluorobenzene	11.09	ok	11.08	10.75-11.41	954271	ok	816046	489628-1142464
Chlorobenzene-D5	15.31	ok	15.31	14.98-15.64	917090	ok	727744	436646-1018842

Volatile Surrogate Recovery Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
M83561-1	Q11393.D	91.0
M83561-1	Q11385.D	97.0
M83561-2	Q11394.D	93.0
M83561-2	Q11386.D	96.0
M83561-3	Q11392.D	101.0
M83561-3	Q11387.D	96.0
M83561-4	Q11395.D	96.0
M83561-4	Q11391.D	97.0
M83561-5	Q11396.D	92.0
M83561-5	Q11389.D	105.0
M83561-6	Q11423.D	91.0
M83561-4DUP	Q11388.D	93.0
M83561-6DUP	Q11427.D	91.0
MSQ505-SCC	Q11268A.D	81.0
MSQ505-SCC	Q11274.D	88.0
MSQ507-SCC	Q11296A.D	85.0
MSQ511-SCC	Q11366.D	91.0
MSQ512-BS	Q11377A.D	97.0
MSQ512-MB	Q11378.D	75.0
MSQ513-BS	Q11417B.D	117.0
MSQ513-MB	Q11418.D	94.0
MSQ505-BS	Q11267B.D	98.0
MSQ505-MB	Q11268.D	81.0
MSQ507-BS	Q11295A.D	101.0
MSQ507-MB	Q11296.D	85.0
MSQ511-BS	Q11356B.D	103.0
MSQ511-MB	Q11357.D	87.0

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	50-129%

Initial Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ505-ICC505
Lab FileID: Q11260.D

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q060109T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 01 16:25:55 2009
Response via : Initial Calibration

Calibration Files
.2 =Q11262.D .5 =Q11261.D 2 =Q11263.D
5 =Q11264.D 10 =Q11260.D 20 =Q11265.D 40 =Q11266.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	ISTD								
2)m DICHLORODIFLUOROM	5.558	3.964	6.906	5.837	5.064	4.862	4.948	5.306	17.36
3)m PROPYLENE	0.908	0.754	1.193	1.046	0.949	0.691	0.981	0.932	18.29
4)m FREON 114	4.389	3.774	5.907	5.242	4.651	4.412	4.560	4.705	14.54
5)m CHLOROMETHANE	1.042	0.942	1.419	1.260	1.119	0.749	1.066	1.086	19.86
6)m VINYL CHLORIDE	1.182	1.077	1.604	1.399	1.296	1.162	1.220	1.277	13.86
7)m 1,3-BUTADIENE	1.167	0.965	1.473	1.389	1.274	1.171	1.167	1.229	13.61
8)m BROMOMETHANE	1.289	1.158	1.704	1.518	1.363	1.318	1.296	1.378	13.01
9)m CHLOROETHANE	0.520	0.510	0.733	0.674	0.606	0.554	0.575	0.596	13.77
10)m TRICHLOROFLUOROME	4.815	4.441	6.666	5.736	5.081	5.818	5.501	5.437	13.55
11)m ISOPROPYL ALCOHOL	2.112	2.219	2.035	2.191	2.085	2.481	2.629	2.250	9.84
12)m ACETONE	3.406	2.909	2.101	2.222	2.239	2.588	2.804	2.610	17.89
13)m PENTANE	1.298	1.303	1.750	1.538	1.418	1.546	1.514	1.481	10.66
14)m 1,1-DICHLOROETHYL	1.269	1.160	1.658	1.467	1.327	1.515	1.447	1.406	11.84
15)m CARBON DISULFIDE	4.573	4.162	5.327	4.568	4.126	4.731	4.298	4.541	9.13
16)m ETHANOL	0.410	0.346	0.358	0.390	0.385	0.424	0.415	0.390	7.55
17)m BROMOETHENE	1.127	1.124	1.608	1.482	1.355	1.518	1.328	1.363	13.80
18)m METHYLENE CHLORID	1.438	1.222	1.481	1.305	1.180	1.337	1.248	1.316	8.48
19)m 3-CHLOROPROPENE	1.622	1.348	1.963	1.962	1.822	2.084	1.961	1.823	14.03
20)m FREON 113	2.263	2.238	3.219	2.869	2.546	2.917	2.773	2.689	13.39
21)m TRANS-1,2-DICHLOR	1.146	1.184	1.593	1.436	1.355	1.556	1.412	1.383	12.33
22)m TERTIARY BUTYL AL	1.968	2.267	2.748	2.865	2.667	3.278	3.315	2.730	18.07
23)m METHYL TERTIARY B	2.164	2.318	2.984	3.320	3.395	4.070	4.545	3.257	26.57
24)m TETRAHYDROFURAN	0.640	0.710	0.920	1.000	1.043	1.283	1.412	1.001	28.00
25)m HEXANE	1.500	1.567	2.190	1.989	1.846	2.214	2.100	1.915	15.11
26)m VINYL ACETATE	1.824	2.052	2.490	3.064	3.335	3.987	4.306	3.008	31.36

----- Linear regression (equal Weighting)----- Coefficient = 0.9967
Response Ratio = -0.43057 + 4.33925 *A

27)m 1,1-DICHLOROETHAN	2.336	2.376	3.073	2.972	2.816	3.199	3.025	2.828	12.12
28)m METHYL ETHYL KETO	1.564	1.550	1.994	2.130	2.113	2.670	2.942	2.138	24.35
29)m cis-1,2-DICHLOROE	1.013	1.058	1.462	1.449	1.351	1.655	1.486	1.354	17.40
30)m ETHYL ACETATE	2.463	2.596	3.494	3.458	3.367	4.148	4.392	3.417	20.97
31)m CHLOROFORM	2.871	3.001	4.178	3.774	3.400	4.130	3.740	3.585	14.37
32)m 1,1,1-TRICHLOROET	3.110	3.254	4.401	4.170	3.795	4.634	4.228	3.942	14.68
33)m CARBON TETRACHLOR	3.639	3.518	5.118	4.540	4.045	5.036	4.496	4.342	14.60
34)m 1,2-DICHLOROETHAN	1.877	2.072	2.609	2.637	2.513	3.085	2.913	2.529	16.99
35) I 1,4-DIFLUOROBENZENE	ISTD								
36)m BENZENE	0.591	0.687	0.797	0.872	0.852	1.035	0.964	0.828	18.53
37)m CYCLOHEXANE	0.275	0.311	0.386	0.377	0.349	0.425	0.368	0.356	13.99
38)m TRICHLOROETHYLENE	0.359	0.369	0.498	0.495	0.463	0.588	0.536	0.473	17.75
39)m 1,2-DICHLOROPROPA	0.193	0.212	0.247	0.292	0.291	0.354	0.333	0.275	21.89
40)m BROMODICHLOROMETH	0.556	0.619	0.815	0.877	0.838	1.059	0.967	0.819	21.90
41)m 2,2,4-TRIMETHYLPE	0.993	1.159	1.500	1.520	1.446	1.770	1.650	1.434	18.91
42)m 1,4-DIOXANE	0.063	0.099	0.119	0.140	0.131	0.173	0.176	0.129	30.92

Initial Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ505-ICC505
Lab FileID: Q11260.D

----- Linear regression (equal Weighting)----- Coefficient = 0.9966
Response Ratio = -0.01466 + 0.17794 *A

43)m HEPTANE 0.364 0.406 0.574 0.576 0.557 0.673 0.635 0.541 21.15
44)m METHYL ISOBUTYL K 0.311 0.405 0.494 0.592 0.552 0.782 0.852 0.570 33.97
----- Quadratic regression ----- Coefficient = 0.9976
Response Ratio = -0.03344 + 0.64591 *A + 0.05445 *A^2

45)m cis-1,3-DICHLOROP 0.252 0.328 0.415 0.500 0.504 0.643 0.660 0.472 32.26
----- Quadratic regression ----- Coefficient = 0.9982
Response Ratio = -0.03106 + 0.58526 *A + 0.02139 *A^2

46)m TOLUENE 0.328 0.401 0.487 0.598 0.615 0.774 0.796 0.571 31.11
----- Quadratic regression ----- Coefficient = 0.9984
Response Ratio = -0.03772 + 0.70665 *A + 0.02548 *A^2

47)m trans-1,3-DICHLOR 0.204 0.289 0.392 0.486 0.519 0.661 0.673 0.460 38.60
----- Quadratic regression ----- Coefficient = 0.9981
Response Ratio = -0.03794 + 0.60887 *A + 0.01907 *A^2

48)m 1,1,2-TRICHLOROET 0.162 0.220 0.259 0.298 0.296 0.373 0.382 0.284 27.81

49) I CHLOROBENZENE-D5 ----------ISTD----------
50)m 2-HEXANONE 0.248 0.382 0.467 0.626 0.585 0.817 0.905 0.576 40.51
----- Quadratic regression ----- Coefficient = 0.9981
Response Ratio = -0.03623 + 0.67014 *A + 0.06182 *A^2

51)m TETRACHLOROETHYLE 0.367 0.392 0.518 0.531 0.498 0.617 0.596 0.503 18.76
52)m DIBROMOCHLOROMETH 0.518 0.619 0.777 0.892 0.859 1.086 1.088 0.834 25.94
53)m 1,2-DIBROMOETHANE 0.341 0.412 0.504 0.619 0.625 0.786 0.813 0.586 30.45
----- Quadratic regression ----- Coefficient = 0.9985
Response Ratio = -0.03607 + 0.71428 *A + 0.02773 *A^2

54)m CHLOROBENZENE 0.544 0.665 0.759 0.865 0.864 1.069 0.996 0.823 22.24
55)m ETHYLBENZENE 0.668 0.912 1.140 1.495 1.563 1.968 1.969 1.388 36.30
----- Quadratic regression ----- Coefficient = 0.9980
Response Ratio = -0.11405 + 1.85138 *A + 0.03873 *A^2

56)m m,p-XYLENE 0.224 0.320 0.407 0.529 0.556 0.710 0.704 0.493 37.67
----- Quadratic regression ----- Coefficient = 0.9976
Response Ratio = -0.08708 + 0.67047 *A + 0.00597 *A^2

57)m o-XYLENE 0.235 0.314 0.420 0.542 0.580 0.756 0.742 0.513 39.20
----- Quadratic regression ----- Coefficient = 0.9970
Response Ratio = -0.05051 + 0.71630 *A + 0.01048 *A^2

58)m STYRENE 0.222 0.320 0.494 0.718 0.793 1.024 0.969 0.649 48.06
----- Quadratic regression ----- Coefficient = 0.9964
Response Ratio = -0.08112 + 1.00869 *A + -0.00351 *A^2

59)m NONANE 0.421 0.607 0.764 0.939 0.956 1.183 1.161 0.862 32.70
----- Quadratic regression ----- Coefficient = 0.9980
Response Ratio = -0.06282 + 1.13491 *A + 0.01166 *A^2

60)m BROMOFORM 0.366 0.479 0.605 0.770 0.785 1.041 0.935 0.711 34.07
----- Quadratic regression ----- Coefficient = 0.9949
Response Ratio = -0.07720 + 1.05088 *A + -0.02265 *A^2

61)S 4-BROMOFLUOROBENZ 0.708 0.732 0.772 0.795 0.819 0.865 0.856 0.792 7.52
62)m 1,1,2,2-TETRACHLO 0.454 0.503 0.611 0.741 0.795 1.073 1.081 0.751 33.65

5.9.1 5

Initial Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ505-ICC505
Lab FileID: Q11260.D

----- Quadratic regression ----- Coefficient = 0.9969
Response Ratio = -0.06785 + 0.97764 *A + 0.03149 *A^2

63)m ISOPROPYLBENZENE 0.838 1.073 1.339 1.733 1.833 2.386 2.530 1.676 38.06
----- Quadratic regression ----- Coefficient = 0.9983
Response Ratio = -0.12857 + 2.09974 *A + 0.11807 *A^2

64)m 2-CHLOROTOLUENE 0.544 0.694 0.873 1.147 1.186 1.588 1.451 1.069 36.02
----- Quadratic regression ----- Coefficient = 0.9951
Response Ratio = -0.11987 + 1.57845 *A + -0.02186 *A^2

65)m 4-ETHYLTOLUENE 0.511 0.776 1.054 1.364 1.497 1.995 1.866 1.295 42.36
----- Quadratic regression ----- Coefficient = 0.9956
Response Ratio = -0.15591 + 1.95268 *A + -0.00887 *A^2

66)m 1,3,5-TRIMETHYLBE 0.660 0.897 1.181 1.466 1.611 2.177 2.009 1.429 39.03
----- Quadratic regression ----- Coefficient = 0.9949
Response Ratio = -0.17294 + 2.14135 *A + -0.01870 *A^2

67)m 1,2,4-TRIMETHYLBE 0.438 0.629 0.877 1.146 1.227 1.713 1.662 1.099 44.27
----- Quadratic regression ----- Coefficient = 0.9955
Response Ratio = -0.13063 + 1.60444 *A + 0.02526 *A^2

68)m m-DICHLOROBENZENE 0.287 0.452 0.568 0.731 0.792 1.108 0.976 0.702 41.18
----- Quadratic regression ----- Coefficient = 0.9927
Response Ratio = -0.09827 + 1.11929 *A + -0.02770 *A^2

69)m BENZYL CHLORIDE 0.232 0.415 0.607 0.852 0.998 1.472 1.333 0.844 54.54
----- Quadratic regression ----- Coefficient = 0.9919
Response Ratio = -0.14765 + 1.44053 *A + -0.01473 *A^2

70)m p-DICHLOROBENZENE 0.221 0.392 0.512 0.661 0.742 1.031 0.945 0.643 45.32
----- Quadratic regression ----- Coefficient = 0.9940
Response Ratio = -0.08938 + 1.01283 *A + -0.00960 *A^2

71)m o-DICHLOROBENZENE 0.300 0.411 0.497 0.640 0.693 1.016 0.927 0.641 41.07
----- Quadratic regression ----- Coefficient = 0.9925
Response Ratio = -0.08969 + 0.98548 *A + -0.00703 *A^2

72)m HEXACHLOROBUTADIE 0.281 0.359 0.315 0.394 0.441 0.585 0.686 0.437 33.84
----- Quadratic regression ----- Coefficient = 0.9990
Response Ratio = -0.02368 + 0.45343 *A + 0.06025 *A^2

73)m 1,2,4-TRICHLOROBE 0.067 0.160 0.156 0.206 0.244 0.398 0.446 0.240 56.96
----- Quadratic regression ----- Coefficient = 0.9957
Response Ratio = -0.03019 + 0.30677 *A + 0.03729 *A^2

74)m NAPHTHALENE	0.000	-1.00
75) 2-METHYLNAPHTHALE	0.000	-1.00
76) 1-METHYLNAPHTHALE	0.000	-1.00

(#) = Out of Range

Q060109T.m Wed Jun 03 09:27:48 2009 RPT1

Continuing Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ505-CC505
Lab FileID: Q11267A.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q11267a.D
Acq On : 1 Jun 2009 5:27 pm
Sample : cc505-10 (M174)
Misc : MS18221,MSQ505,,,,,1
MS Integration Params: rteint.p

Vial: 1
Operator: danat
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q060109T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 01 16:25:55 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	86	0.00	8.98- 9.58
2	m	DICHLORODIFLUOROMETHAN	5.306	5.424	-2.2	92	0.00	4.25- 4.85
3	m	PROPYLENE	0.932	1.081	-16.0	98	0.00	4.17- 4.77
4	m	FREON 114	4.705	4.950	-5.2	92	0.00	4.55- 5.15
5	m	CHLOROMETHANE	1.086	1.173	-8.0	90	0.00	4.44- 5.04
6	m	VINYL CHLORIDE	1.277	1.367	-7.0	91	0.00	4.69- 5.29
7	m	1,3-BUTADIENE	1.229	1.302	-5.9	88	0.00	4.84- 5.44
8	m	BROMOMETHANE	1.378	1.454	-5.5	92	0.01	5.15- 5.75
9	m	CHLOROETHANE	0.596	0.646	-8.4	92	0.00	5.33- 5.93
10	m	TRICHLOROFLUOROMETHANE	5.437	5.415	0.4	92	0.00	6.14- 6.74
11	m	ISOPROPYL ALCOHOL	2.250	2.200	2.2	91	0.00	6.18- 6.78
12	m	ACETONE	2.610	2.208	15.4	85	0.00	5.94- 6.54
13	m	PENTANE	1.481	1.509	-1.9	92	0.00	6.51- 7.11
14	m	1,1-DICHLOROETHYLENE	1.406	1.485	-5.6	96	0.00	6.79- 7.39
15	m	CARBON DISULFIDE	4.541	4.569	-0.6	95	0.00	7.23- 7.83
16	m	ETHANOL	0.390	0.410	-5.1	92	0.00	5.42- 6.02
17	m	BROMOETHENE	1.363	1.453	-6.6	92	0.00	5.71- 6.31
18	m	METHYLENE CHLORIDE	1.316	1.314	0.2	96	0.00	6.90- 7.50
19	m	3-CHLOROPROPENE	1.823	1.850	-1.5	88	0.00	7.02- 7.62
20	m	FREON 113	2.689	2.881	-7.1	98	0.00	7.16- 7.76
21	m	TRANS-1,2-DICHLOROETHY	1.383	1.518	-9.8	97	0.00	7.82- 8.42
22	m	TERTIARY BUTYL ALCOHOL	2.730	2.700	1.1	87	0.00	6.79- 7.39
23	m	METHYL TERTIARY BUTYL	3.257	3.699	-13.6	94	0.00	8.06- 8.66
24	m	TETRAHYDROFURAN	1.001	1.111	-11.0	92	0.00	9.47-10.07
25	m	HEXANE	1.915	2.080	-8.6	97	0.00	9.01- 9.61
			True	Calc.	% Drift			
26	m	VINYL ACETATE	10.000	9.298	7.0	93	0.00	8.13- 8.73
			AvgRF	CCRF	% Dev			
27	m	1,1-DICHLOROETHANE	2.828	2.987	-5.6	91	0.00	8.02- 8.62
28	m	METHYL ETHYL KETONE	2.138	2.235	-4.5	91	0.00	8.37- 8.97
29	m	cis-1,2-DICHLOROETHYLE	1.354	1.547	-14.3	99	0.00	8.82- 9.42
30	m	ETHYL ACETATE	3.417	3.606	-5.5	92	0.00	9.00- 9.60
31	m	CHLOROFORM	3.585	3.800	-6.0	96	0.00	9.10- 9.70
32	m	1,1,1-TRICHLOROETHANE	3.942	4.093	-3.8	93	0.00	10.05-10.65
33	m	CARBON TETRACHLORIDE	4.342	4.398	-1.3	94	0.00	10.63-11.23
34	m	1,2-DICHLOROETHANE	2.529	2.672	-5.7	92	0.00	9.80-10.40
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	91	0.00	10.78-11.38
36	m	BENZENE	0.828	0.943	-13.9	101	0.00	10.49-11.09
37	m	CYCLOHEXANE	0.356	0.372	-4.5	97	0.00	10.75-11.35

5.9.2
5

Continuing Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ505-CC505
Lab FileID: Q11267A.D

38 m	TRICHLOROETHYLENE	0.473	0.467	1.3	92	0.00	11.47-12.07
39 m	1,2-DICHLOROPROPANE	0.275	0.298	-8.4	94	0.00	11.25-11.85
40 m	BROMODICHLOROMETHANE	0.819	0.817	0.2	89	0.00	11.43-12.03
41 m	2,2,4-TRIMETHYLPENTANE	1.434	1.421	0.9	90	0.00	11.49-12.09
		True	Calc.	% Drift			
42 m	1,4-DIOXANE	10.000	8.436	15.6	94	0.00	11.41-12.08
		AvgRF	CCRF	% Dev			
43 m	HEPTANE	0.541	0.542	-0.2	89	0.00	11.72-12.32
		True	Calc.	% Drift			
44 m	METHYL ISOBUTYL KETONE	10.000	8.273	17.3	89	0.00	12.28-12.88
45 m	cis-1,3-DICHLOROPROPEN	10.000	8.854	11.5	91	0.00	12.28-12.88
46 m	TOLUENE	10.000	9.272	7.3	95	0.00	13.24-13.84
47 m	trans-1,3-DICHLOROPROP	10.000	8.834	11.7	91	0.00	12.77-13.37
		AvgRF	CCRF	% Dev			
48 m	1,1,2-TRICHLOROETHANE	0.284	0.306	-7.7	94	0.00	12.95-13.55
49 I	CHLOROBENZENE-D5	1.000	1.000	0.0	87	0.00	15.01-15.61
		True	Calc.	% Drift			
50 m	2-HEXANONE	10.000	8.838	11.6	90	0.00	13.44-14.04
		AvgRF	CCRF	% Dev			
51 m	TETRACHLOROETHYLENE	0.503	0.545	-8.3	95	0.00	14.36-14.96
52 m	DIBROMOCHLOROMETHANE	0.834	0.905	-8.5	92	0.00	13.66-14.26
		True	Calc.	% Drift			
53 m	1,2-DIBROMOETHANE	10.000	9.466	5.3	93	0.00	13.92-14.52
		AvgRF	CCRF	% Dev			
54 m	CHLOROBENZENE	0.823	0.938	-14.0	95	0.00	15.06-15.66
		True	Calc.	% Drift			
55 m	ETHYLBENZENE	10.000	9.553	4.5	94	0.00	15.43-16.03
56 m	m,p-XYLENE	20.000	18.751	6.2	93	0.00	15.62-16.22
57 m	o-XYLENE	10.000	9.069	9.3	91	0.00	16.12-16.72
58 m	STYRENE	10.000	9.330	6.7	94	0.00	16.00-16.60
59 m	NONANE	10.000	8.724	12.8	85	0.00	16.30-16.90
60 m	BROMOFORM	10.000	8.962	10.4	94	0.00	15.73-16.33
		AvgRF	CCRF	% Dev			
61 S	4-BROMOFLUOROBENZENE	0.792	0.780	1.5	83	0.00	16.62-17.22
		True	Calc.	% Drift			
62 m	1,1,2,2-TETRACHLOROETH	10.000	8.865	11.3	90	0.00	16.11-16.71
63 m	ISOPROPYLBENZENE	10.000	9.271	7.3	91	0.00	16.75-17.35
64 m	2-CHLOROTOLUENE	10.000	8.804	12.0	92	0.00	17.28-17.88
65 m	4-ETHYLTOLUENE	10.000	8.794	12.1	91	0.00	17.45-18.05
66 m	1,3,5-TRIMETHYLBENZENE	10.000	8.509	14.9	89	0.00	17.53-18.13
67 m	1,2,4-TRIMETHYLBENZENE	10.000	8.610	13.9	90	0.00	17.98-18.58
68 m	m-DICHLOROBENZENE	10.000	8.494	15.1	92	0.00	18.17-18.77
69 m	BENZYL CHLORIDE	10.000	7.880	21.2	86	0.00	18.14-18.74
70 m	p-DICHLOROBENZENE	10.000	9.149	8.5	98	0.00	18.24-18.84
71 m	o-DICHLOROBENZENE	10.000	8.952	10.5	99	0.00	18.62-19.22
72 m	HEXACHLOROBUTADIENE	10.000	8.184	18.2	77	0.00	20.96-21.56
73 m	1,2,4-TRICHLOROBENZENE	10.000	7.319	26.8	77	0.00	20.48-21.08

Continuing Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ505-CC505
Lab FileID: Q11267A.D

		AvgRF	CCRF	% Dev
74 m	NAPHTHALENE			NA
75	2-METHYLNAPHTHALENE			NA
76	1-METHYLNAPHTHALENE			NA

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q11260.D Q060109T.m Wed Jun 03 09:43:51 2009 RPT1

5.9.2

Initial Calibration Verification

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ505-ICV505
Lab FileID: Q11267.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q11267.D
Acq On : 1 Jun 2009 5:27 pm
Sample : icv505-10 (M174)
Misc : MS18221,MSQ505,,,,,1
MS Integration Params: rteint.p

Vial: 1
Operator: danat
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q060109T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 01 16:25:55 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	86	0.00	8.98- 9.58
2 m	DICHLORODIFLUOROMETHAN	5.306	5.424	-2.2	92	0.00	4.25- 4.85
3 m	PROPYLENE	0.932	1.081	-16.0	98	0.00	4.17- 4.77
4 m	FREON 114	4.705	4.950	-5.2	92	0.00	4.55- 5.15
5 m	CHLOROMETHANE	1.086	1.173	-8.0	90	0.00	4.44- 5.04
6 m	VINYL CHLORIDE	1.277	1.367	-7.0	91	0.00	4.69- 5.29
7 m	1,3-BUTADIENE	1.229	1.302	-5.9	88	0.00	4.84- 5.44
8 m	BROMOMETHANE	1.378	1.454	-5.5	92	0.01	5.15- 5.75
9 m	CHLOROETHANE	0.596	0.646	-8.4	92	0.00	5.33- 5.93
10 m	TRICHLOROFLUOROMETHANE	5.437	5.415	0.4	92	0.00	6.14- 6.74
11 m	ISOPROPYL ALCOHOL	2.250	2.200	2.2	91	0.00	6.18- 6.78
12 m	ACETONE	2.610	2.208	15.4	85	0.00	5.94- 6.54
13 m	PENTANE	1.481	1.509	-1.9	92	0.00	6.51- 7.11
14 m	1,1-DICHLOROETHYLENE	1.406	1.485	-5.6	96	0.00	6.79- 7.39
15 m	CARBON DISULFIDE	4.541	4.569	-0.6	95	0.00	7.23- 7.83
16 m	ETHANOL	0.390	0.410	-5.1	92	0.00	5.42- 6.02
17 m	BROMOETHENE	1.363	1.453	-6.6	92	0.00	5.71- 6.31
18 m	METHYLENE CHLORIDE	1.316	1.314	0.2	96	0.00	6.90- 7.50
19 m	3-CHLOROPROPENE	1.823	1.850	-1.5	88	0.00	7.02- 7.62
20 m	FREON 113	2.689	2.881	-7.1	98	0.00	7.16- 7.76
21 m	TRANS-1,2-DICHLOROETHY	1.383	1.518	-9.8	97	0.00	7.82- 8.42
22 m	TERTIARY BUTYL ALCOHOL	2.730	2.700	1.1	87	0.00	6.79- 7.39
23 m	METHYL TERTIARY BUTYL	3.257	3.699	-13.6	94	0.00	8.06- 8.66
24 m	TETRAHYDROFURAN	1.001	1.111	-11.0	92	0.00	9.47-10.07
25 m	HEXANE	1.915	2.080	-8.6	97	0.00	9.01- 9.61
		True	Calc.	% Drift			
26 m	VINYL ACETATE	10.000	9.298	7.0	93	0.00	8.13- 8.73
		AvgRF	CCRF	% Dev			
27 m	1,1-DICHLOROETHANE	2.828	2.987	-5.6	91	0.00	8.02- 8.62
28 m	METHYL ETHYL KETONE	2.138	2.235	-4.5	91	0.00	8.37- 8.97
29 m	cis-1,2-DICHLOROETHYLE	1.354	1.547	-14.3	99	0.00	8.82- 9.42
30 m	ETHYL ACETATE	3.417	3.606	-5.5	92	0.00	9.00- 9.60
31 m	CHLOROFORM	3.585	3.800	-6.0	96	0.00	9.10- 9.70
32 m	1,1,1-TRICHLOROETHANE	3.942	4.093	-3.8	93	0.00	10.05-10.65
33 m	CARBON TETRACHLORIDE	4.342	4.398	-1.3	94	0.00	10.63-11.23
34 m	1,2-DICHLOROETHANE	2.529	2.672	-5.7	92	0.00	9.80-10.40
35 I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	91	0.00	10.78-11.38
36 m	BENZENE	0.828	0.943	-13.9	101	0.00	10.49-11.09
37 m	CYCLOHEXANE	0.356	0.372	-4.5	97	0.00	10.75-11.35

Initial Calibration Verification

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ505-ICV505
Lab FileID: Q11267.D

			True	Calc.	% Drift			
38	m	TRICHLOROETHYLENE	0.473	0.467	1.3	92	0.00	11.47-12.07
39	m	1,2-DICHLOROPROPANE	0.275	0.298	-8.4	94	0.00	11.25-11.85
40	m	BROMODICHLOROMETHANE	0.819	0.817	0.2	89	0.00	11.43-12.03
41	m	2,2,4-TRIMETHYLPENTANE	1.434	1.421	0.9	90	0.00	11.49-12.09
			True	Calc.	% Drift			
42	m	1,4-DIOXANE	10.000	8.436	15.6	94	0.00	11.41-12.08
			AvgRF	CCRF	% Dev			
43	m	HEPTANE	0.541	0.542	-0.2	89	0.00	11.72-12.32
			True	Calc.	% Drift			
44	m	METHYL ISOBUTYL KETONE	10.000	8.273	17.3	89	0.00	12.28-12.88
45	m	cis-1,3-DICHLOROPROPEN	10.000	8.854	11.5	91	0.00	12.28-12.88
46	m	TOLUENE	10.000	9.272	7.3	95	0.00	13.24-13.84
47	m	trans-1,3-DICHLOROPROP	10.000	8.834	11.7	91	0.00	12.77-13.37
			AvgRF	CCRF	% Dev			
48	m	1,1,2-TRICHLOROETHANE	0.284	0.306	-7.7	94	0.00	12.95-13.55
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	87	0.00	15.01-15.61
			True	Calc.	% Drift			
50	m	2-HEXANONE	10.000	8.838	11.6	90	0.00	13.44-14.04
			AvgRF	CCRF	% Dev			
51	m	TETRACHLOROETHYLENE	0.503	0.545	-8.3	95	0.00	14.36-14.96
52	m	DIBROMOCHLOROMETHANE	0.834	0.905	-8.5	92	0.00	13.66-14.26
			True	Calc.	% Drift			
53	m	1,2-DIBROMOETHANE	10.000	9.466	5.3	93	0.00	13.92-14.52
			AvgRF	CCRF	% Dev			
54	m	CHLOROBENZENE	0.823	0.938	-14.0	95	0.00	15.06-15.66
			True	Calc.	% Drift			
55	m	ETHYLBENZENE	10.000	9.553	4.5	94	0.00	15.43-16.03
56	m	m,p-XYLENE	20.000	18.751	6.2	93	0.00	15.62-16.22
57	m	o-XYLENE	10.000	9.069	9.3	91	0.00	16.12-16.72
58	m	STYRENE	10.000	9.330	6.7	94	0.00	16.00-16.60
59	m	NONANE	10.000	8.724	12.8	85	0.00	16.30-16.90
60	m	BROMOFORM	10.000	8.962	10.4	94	0.00	15.73-16.33
			AvgRF	CCRF	% Dev			
61	S	4-BROMOFLUOROBENZENE	0.792	0.780	1.5	83	0.00	16.62-17.22
			True	Calc.	% Drift			
62	m	1,1,2,2-TETRACHLOROETH	10.000	8.865	11.3	90	0.00	16.11-16.71
63	m	ISOPROPYLBENZENE	10.000	9.271	7.3	91	0.00	16.75-17.35
64	m	2-CHLOROTOLUENE	10.000	8.804	12.0	92	0.00	17.28-17.88
65	m	4-ETHYLTOLUENE	10.000	8.794	12.1	91	0.00	17.45-18.05
66	m	1,3,5-TRIMETHYLBENZENE	10.000	8.509	14.9	89	0.00	17.53-18.13
67	m	1,2,4-TRIMETHYLBENZENE	10.000	8.610	13.9	90	0.00	17.98-18.58
68	m	m-DICHLOROBENZENE	10.000	8.494	15.1	92	0.00	18.17-18.77
69	m	BENZYL CHLORIDE	10.000	7.880	21.2	86	0.00	18.14-18.74
70	m	p-DICHLOROBENZENE	10.000	9.149	8.5	98	0.00	18.24-18.84
71	m	o-DICHLOROBENZENE	10.000	8.952	10.5	99	0.00	18.62-19.22
72	m	HEXACHLOROBUTADIENE	10.000	8.184	18.2	77	0.00	20.96-21.56
73	m	1,2,4-TRICHLOROBENZENE	10.000	7.319	26.8	77	0.00	20.48-21.08

Initial Calibration Verification

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ505-ICV505
Lab FileID: Q11267.D

		AvgRF	CCRF	% Dev
74 m	NAPHTHALENE			NA
75	2-METHYLNAPHTHALENE			NA
76	1-METHYLNAPHTHALENE			NA

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Q11260.D Q060109T.m Wed Jun 03 09:28:48 2009 RPT1

5.9.3

5

Continuing Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ507-CC505
Lab FileID: Q11295.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q11295.D
Acq On : 4 Jun 2009 9:24 am
Sample : cc505-10 (M174)
Misc : MS18221,MSQ507,,,,,1
MS Integration Params: rteint.p

Vial: 1
Operator: danat
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q060109T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 01 16:25:55 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	63	0.00	8.98- 9.58
2 m	DICHLORODIFLUOROMETHAN	5.306	5.649	-6.5	71	0.00	4.25- 4.85
3 m	PROPYLENE	0.932	1.076	-15.5	72	0.00	4.17- 4.77
4 m	FREON 114	4.705	5.111	-8.6	70	0.00	4.55- 5.15
5 m	CHLOROMETHANE	1.086	1.164	-7.2	66	0.00	4.44- 5.04
6 m	VINYL CHLORIDE	1.277	1.401	-9.7	69	0.00	4.69- 5.29
7 m	1,3-BUTADIENE	1.229	1.330	-8.2	66	0.00	4.84- 5.44
8 m	BROMOMETHANE	1.378	1.468	-6.5	68	0.00	5.14- 5.74
9 m	CHLOROETHANE	0.596	0.653	-9.6	68	0.00	5.33- 5.93
10 m	TRICHLOROFLUOROMETHANE	5.437	5.574	-2.5	70	0.00	6.14- 6.74
11 m	ISOPROPYL ALCOHOL	2.250	2.300	-2.2	70	0.00	6.17- 6.77
12 m	ACETONE	2.610	2.535	2.9	72	0.00	5.93- 6.53
13 m	PENTANE	1.481	1.561	-5.4	70	0.00	6.51- 7.11
14 m	1,1-DICHLOROETHYLENE	1.406	1.456	-3.6	70	0.00	6.79- 7.39
15 m	CARBON DISULFIDE	4.541	4.498	0.9	69	0.00	7.23- 7.83
16 m	ETHANOL	0.390	0.427	-9.5	71	0.00	5.43- 6.03
17 m	BROMOETHENE	1.363	1.521	-11.6	71	0.00	5.70- 6.30
18 m	METHYLENE CHLORIDE	1.316	1.296	1.5	70	0.00	6.90- 7.50
19 m	3-CHLOROPROPENE	1.823	2.045	-12.2	71	0.00	7.02- 7.62
20 m	FREON 113	2.689	2.879	-7.1	72	0.00	7.16- 7.76
21 m	TRANS-1,2-DICHLOROETHY	1.383	1.482	-7.2	69	0.00	7.83- 8.43
22 m	TERTIARY BUTYL ALCOHOL	2.730	2.999	-9.9	71	0.00	6.78- 7.38
23 m	METHYL TERTIARY BUTYL	3.257	3.907	-20.0	73	0.00	8.05- 8.65
24 m	TETRAHYDROFURAN	1.001	1.251	-25.0	76	0.00	9.47-10.07
25 m	HEXANE	1.915	2.165	-13.1	74	0.00	9.01- 9.61
		True	Calc.	% Drift			
26 m	VINYL ACETATE	10.000	10.076	-0.8	75	0.00	8.13- 8.73
		AvgRF	CCRF	% Dev			
27 m	1,1-DICHLOROETHANE	2.828	3.087	-9.2	70	0.00	8.03- 8.63
28 m	METHYL ETHYL KETONE	2.138	2.553	-19.4	77	0.00	8.37- 8.97
29 m	cis-1,2-DICHLOROETHYLE	1.354	1.633	-20.6	77	0.00	8.82- 9.42
30 m	ETHYL ACETATE	3.417	3.982	-16.5	75	0.00	9.00- 9.60
31 m	CHLOROFORM	3.585	4.038	-12.6	75	0.00	9.10- 9.70
32 m	1,1,1-TRICHLOROETHANE	3.942	4.511	-14.4	75	0.00	10.05-10.65
33 m	CARBON TETRACHLORIDE	4.342	4.841	-11.5	76	0.00	10.63-11.23
34 m	1,2-DICHLOROETHANE	2.529	2.981	-17.9	75	0.00	9.80-10.40
35 I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	72	0.00	10.78-11.38
36 m	BENZENE	0.828	0.926	-11.8	79	0.00	10.49-11.09
37 m	CYCLOHEXANE	0.356	0.364	-2.2	76	0.00	10.75-11.35

Continuing Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ507-CC505
Lab FileID: Q11295.D

38 m	TRICHLOROETHYLENE	0.473	0.492	-4.0	77	0.00	11.47-12.07
39 m	1,2-DICHLOROPROPANE	0.275	0.308	-12.0	77	0.00	11.25-11.85
40 m	BROMODICHLOROMETHANE	0.819	0.894	-9.2	77	0.00	11.43-12.03
41 m	2,2,4-TRIMETHYLPENTANE	1.434	1.504	-4.9	75	0.00	11.49-12.09
		True	Calc.	% Drift			
42 m	1,4-DIOXANE	10.000	8.712	12.9	77	0.00	11.41-12.09
		AvgRF	CCRF	% Dev			
43 m	HEPTANE	0.541	0.577	-6.7	75	0.00	11.71-12.31
		True	Calc.	% Drift			
44 m	METHYL ISOBUTYL KETONE	10.000	9.181	8.2	79	0.00	12.28-12.88
45 m	cis-1,3-DICHLOROPROPEN	10.000	9.328	6.7	77	0.00	12.27-12.87
46 m	TOLUENE	10.000	9.571	4.3	78	0.00	13.23-13.83
47 m	trans-1,3-DICHLOROPROP	10.000	9.581	4.2	79	0.00	12.76-13.36
		AvgRF	CCRF	% Dev			
48 m	1,1,2-TRICHLOROETHANE	0.284	0.316	-11.3	77	0.00	12.95-13.55
49 I	CHLOROBENZENE-D5	1.000	1.000	0.0	72	0.00	15.01-15.61
		True	Calc.	% Drift			
50 m	2-HEXANONE	10.000	9.564	4.4	81	0.00	13.43-14.03
		AvgRF	CCRF	% Dev			
51 m	TETRACHLOROETHYLENE	0.503	0.537	-6.8	77	0.00	14.36-14.96
52 m	DIBROMOCHLOROMETHANE	0.834	0.926	-11.0	77	0.00	13.66-14.26
		True	Calc.	% Drift			
53 m	1,2-DIBROMOETHANE	10.000	9.706	2.9	78	0.00	13.91-14.51
		AvgRF	CCRF	% Dev			
54 m	CHLOROBENZENE	0.823	0.936	-13.7	78	0.00	15.06-15.66
		True	Calc.	% Drift			
55 m	ETHYLBENZENE	10.000	9.734	2.7	79	0.00	15.43-16.03
56 m	m,p-XYLENE	20.000	18.652	6.7	76	0.00	15.62-16.22
57 m	o-XYLENE	10.000	9.106	8.9	75	0.00	16.12-16.72
58 m	STYRENE	10.000	9.496	5.0	79	0.00	16.00-16.60
59 m	NONANE	10.000	9.141	8.6	74	0.00	16.30-16.90
60 m	BROMOFORM	10.000	9.220	7.8	80	0.00	15.73-16.33
		AvgRF	CCRF	% Dev			
61 S	4-BROMOFLUOROBENZENE	0.792	0.802	-1.3	70	0.00	16.61-17.21
		True	Calc.	% Drift			
62 m	1,1,2,2-TETRACHLOROETH	10.000	8.983	10.2	75	0.00	16.11-16.71
63 m	ISOPROPYLBENZENE	10.000	9.456	5.4	77	0.00	16.75-17.35
64 m	2-CHLOROTOLUENE	10.000	9.116	8.8	79	0.00	17.28-17.88
65 m	4-ETHYLTOLUENE	10.000	9.146	8.5	78	0.00	17.45-18.05
66 m	1,3,5-TRIMETHYLBENZENE	10.000	8.745	12.6	75	0.00	17.53-18.13
67 m	1,2,4-TRIMETHYLBENZENE	10.000	9.104	9.0	79	0.00	17.98-18.58
68 m	m-DICHLOROBENZENE	10.000	8.828	11.7	79	0.00	18.17-18.77
69 m	BENZYL CHLORIDE	10.000	8.619	13.8	78	0.00	18.14-18.74
70 m	p-DICHLOROBENZENE	10.000	9.074	9.3	79	0.00	18.24-18.84
71 m	o-DICHLOROBENZENE	10.000	8.733	12.7	79	0.00	18.61-19.21
72 m	HEXACHLOROBUTADIENE	10.000	11.754	-17.5	97	0.00	20.96-21.56
73 m	1,2,4-TRICHLOROBENZENE	10.000	10.475	-4.7	98	0.00	20.48-21.08

5.9.4

5

Continuing Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ507-CC505
Lab FileID: Q11295.D

		AvgRF	CCRF	% Dev
74 m	NAPHTHALENE		----------NA----------	
75	2-METHYLNAPHTHALENE		----------NA----------	
76	1-METHYLNAPHTHALENE		----------NA----------	

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q11260.D Q060109T.m Fri Jun 05 10:42:44 2009 RPT1

5.9.4

5

Initial Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ511-ICC511
Lab FileID: Q11352.D

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q061509T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 15 15:28:48 2009
Response via : Initial Calibration

Calibration Files
.2 =Q11349.D .5 =Q11348.D 2 =Q11350.D
5 =Q11351.D 10 =Q11352.D 20 =Q11353.D 40 =Q11354.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM	7.704	6.832	8.151	6.575	6.975	6.932	5.129	6.900	13.83
3)m PROPYLENE	1.113	1.082	1.271	1.023	1.129	1.133	0.930	1.097	9.60
4)m FREON 114	5.151	5.223	6.230	5.438	5.921	5.840	4.485	5.470	10.69
5)m CHLOROMETHANE	1.169	1.132	1.370	1.137	1.300	1.276	0.974	1.194	11.08
6)m VINYL CHLORIDE	1.272	1.405	1.586	1.399	1.516	1.473	1.127	1.397	11.08
7)m 1,3-BUTADIENE	1.363	1.416	1.578	1.363	1.536	1.531	1.084	1.410	11.92
8)m BROMOMETHANE	1.335	1.413	1.715	1.463	1.581	1.542	1.122	1.453	13.13
9)m CHLOROETHANE	0.470	0.542	0.727	0.591	0.642	0.667	0.492	0.590	15.99
10)m TRICHLOROFLUOROME	6.436	6.430	7.763	6.425	6.871	6.670	4.758	6.479	13.82
11)m ISOPROPYL ALCOHOL	2.568	2.461	2.322	2.227	2.322	2.528	1.874	2.329	10.10
12)m ACETONE	4.337	3.494	2.232	2.229	2.285	2.529	2.024	2.733	31.35
----- Quadratic regression ----- Coefficient = 0.9965									
Response Ratio = -0.08475 + 2.82232 *A + -0.19145 *A^2									
13)m PENTANE	1.373	1.479	1.693	1.374	1.541	1.551	1.152	1.452	11.90
14)m 1,1-DICHLOROETHYL	1.477	1.334	1.584	1.368	1.503	1.538	1.182	1.427	9.80
15)m CARBON DISULFIDE	6.384	6.243	5.560	4.598	4.943	4.779	4.588	5.299	14.48
16)m ETHANOL	0.373	0.376	0.447	0.378	0.415	0.440	0.345	0.396	9.63
17)m BROMOETHENE	1.351	1.359	1.669	1.456	1.592	1.513	1.181	1.446	11.39
18)m METHYLENE CHLORID	1.553	1.389	1.470	1.168	1.277	1.310	0.995	1.309	14.33
19)m 3-CHLOROPROPENE	2.018	2.156	2.260	1.940	2.273	2.371	2.256	2.182	7.04
20)m FREON 113	2.960	2.865	3.463	2.750	2.981	3.054	2.938	3.001	7.50
21)m TRANS-1,2-DICHLOR	1.285	1.424	1.579	1.332	1.445	1.515	1.439	1.431	7.01
22)m TERTIARY BUTYL AL	2.953	2.993	3.268	3.077	3.115	3.406	2.404	3.031	10.49
23)m METHYL TERTIARY B	3.619	3.097	3.382	3.430	3.392	3.883	4.090	3.556	9.47
24)m TETRAHYDROFURAN	1.021	0.928	0.935	0.994	1.002	1.132	1.183	1.028	9.35
25)m HEXANE	1.811	1.794	2.191	1.740	1.957	2.082	1.984	1.937	8.50
26)m VINYL ACETATE	2.599	2.703	2.580	2.828	3.056	3.626	3.773	3.024	16.23
27)m 1,1-DICHLOROETHAN	2.827	2.757	3.067	2.561	3.094	3.215	3.113	2.948	8.01
28)m METHYL ETHYL KETO	2.122	2.118	2.166	2.197	2.193	2.437	2.447	2.240	6.31
29)m cis-1,2-DICHLOROE	1.270	1.246	1.520	1.323	1.502	1.578	1.452	1.413	9.35
30)m ETHYL ACETATE	3.086	3.204	3.646	3.387	3.521	3.874	3.986	3.529	9.42
31)m CHLOROFORM	4.044	3.899	4.605	3.775	4.084	4.230	3.874	4.073	6.85
32)m 1,1,1-TRICHLOROET	4.301	4.533	5.066	4.202	4.828	5.020	4.597	4.650	7.24
33)m CARBON TETRACHLOR	5.003	5.016	6.336	5.003	5.378	5.512	5.001	5.321	9.30
34)m 1,2-DICHLOROETHAN	2.600	2.739	2.909	2.634	3.107	3.296	3.144	2.919	9.32
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------								
36)m BENZENE	0.630	0.675	0.725	0.645	0.755	0.894	0.855	0.740	13.83
37)m CYCLOHEXANE	0.443	0.371	0.392	0.304	0.325	0.364	0.329	0.361	13.07
38)m TRICHLOROETHYLENE	0.427	0.447	0.517	0.428	0.466	0.547	0.541	0.482	10.77
39)m 1,2-DICHLOROPROPA	0.217	0.227	0.222	0.213	0.252	0.303	0.299	0.248	15.59
40)m BROMODICHLOROMETH	0.708	0.749	0.869	0.761	0.888	1.026	0.990	0.856	14.35
41)m 2,2,4-TRIMETHYLPE	1.092	1.239	1.461	1.200	1.344	1.605	1.584	1.361	14.47
42)m 1,4-DIOXANE	0.061	0.110	0.119	0.113	0.116	0.145	0.142	0.115	24.03

Initial Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ511-ICC511
Lab FileID: Q11352.D

43)m HEPTANE	0.449	0.464	0.577	0.446	0.505	0.581	0.554	0.511	11.69
44)m METHYL ISOBUTYL K	0.421	0.467	0.496	0.513	0.526	0.653	0.656	0.533	16.83
45)m cis-1,3-DICHLOROP	0.318	0.382	0.403	0.388	0.461	0.575	0.574	0.443	22.35
46)m TOLUENE	0.374	0.427	0.437	0.443	0.512	0.646	0.639	0.497	21.56
47)m trans-1,3-DICHLOR	0.297	0.408	0.394	0.410	0.478	0.606	0.602	0.456	24.97
48)m 1,1,2-TRICHLOROET	0.237	0.254	0.244	0.227	0.261	0.327	0.325	0.268	15.41
49) I CHLOROBENZENE-D5	ISTD								
50)m 2-HEXANONE	0.365	0.439	0.479	0.544	0.566	0.684	0.620	0.528	20.65
51)m TETRACHLOROETHYLE	0.513	0.544	0.570	0.482	0.527	0.625	0.566	0.547	8.42
52)m DIBROMOCHLOROMETH	0.703	0.763	0.862	0.782	0.904	1.107	1.003	0.875	16.29
53)m 1,2-DIBROMOETHANE	0.472	0.506	0.520	0.520	0.600	0.753	0.700	0.582	18.44
54)m CHLOROBENZENE	0.704	0.769	0.762	0.712	0.801	0.990	0.922	0.809	13.35
55)m ETHYLBENZENE	1.017	1.103	1.147	1.152	1.270	1.635	1.639	1.280	19.91
56)m m,p-XYLENE	0.373	0.405	0.420	0.433	0.464	0.601	0.607	0.472	20.00
57)m o-XYLENE	0.362	0.387	0.416	0.427	0.464	0.608	0.612	0.468	21.86
58)m STYRENE	0.426	0.526	0.539	0.619	0.688	0.909	0.882	0.656	27.95
59)m NONANE	0.500	0.623	0.662	0.669	0.787	0.990	0.954	0.741	24.19
60)m BROMOFORM	0.537	0.618	0.669	0.673	0.795	0.995	0.935	0.746	22.67
61)S 4-BROMOFLUOROBENZ	0.699	0.708	0.758	0.811	0.827	0.821	0.929	0.793	10.05
62)m 1,1,2,2-TETRACHLO	0.547	0.656	0.596	0.627	0.676	0.897	0.951	0.707	21.88
63)m ISOPROPYLBENZENE	1.104	1.218	1.308	1.390	1.465	1.878	2.162	1.504	25.28
64)m 2-CHLOROTOLUENE	0.803	0.915	0.938	0.986	1.116	1.415	1.448	1.089	23.15
65)m 4-ETHYLTOLUENE	0.944	1.070	1.112	1.246	1.302	1.667	1.915	1.322	26.33
66)m 1,3,5-TRIMETHYLBE	0.896	0.961	1.024	1.115	1.157	1.469	1.485	1.158	20.29
67)m 1,2,4-TRIMETHYLBE	0.813	0.887	0.890	1.036	1.063	1.382	1.539	1.087	25.13
68)m m-DICHLOROBENZENE	0.558	0.674	0.582	0.641	0.698	0.927	0.987	0.724	23.13
69)m BENZYL CHLORIDE	0.526	0.692	0.648	0.816	0.874	1.172	1.266	0.857	31.94
----- Quadratic regression ----- Coefficient = 0.9981									
Response Ratio = -0.06018 + 0.99681 *A + 0.07246 *A^2									
70)m p-DICHLOROBENZENE	0.558	0.644	0.553	0.597	0.659	0.872	0.924	0.687	21.92
71)m o-DICHLOROBENZENE	0.521	0.554	0.479	0.553	0.598	0.805	0.853	0.623	23.39
72)m HEXACHLOROBUTADIE	0.478	0.671	0.294	0.300	0.349	0.469	0.466	0.433	30.62
----- Quadratic regression ----- Coefficient = 0.9959									
Response Ratio = -0.02147 + 0.42037 *A + 0.01355 *A^2									
73)m 1,2,4-TRICHLOROBE	0.178	0.233	0.126	0.147	0.168	0.229	0.257	0.191	25.77
74)m NAPHTHALENE								0.000	-1.00
75) 2-METHYLNAPHTHALE								0.000	-1.00
76) 1-METHYLNAPHTHALE								0.000	-1.00

(#) = Out of Range

Q061509T.m Tue Jun 16 11:30:48 2009 RPT1

5.9.5

Continuing Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ511-CC511
Lab FileID: Q11356A.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q11356a.D
Acq On : 15 Jun 2009 4:07 pm
Sample : cc511-10 (M001)
Misc : MS18221,MSQ511,,,,,1
MS Integration Params: rteint.p

Vial: 1
Operator: danat
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q061509T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 15 15:28:48 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	108	0.00	8.99- 9.59
2	m	DICHLORODIFLUOROMETHAN	6.900	6.254	9.4	97	0.00	4.25- 4.85
3	m	PROPYLENE	1.097	0.973	11.3	93	0.00	4.17- 4.77
4	m	FREON 114	5.470	5.300	3.1	97	0.00	4.55- 5.15
5	m	CHLOROMETHANE	1.194	1.229	-2.9	102	0.00	4.43- 5.03
6	m	VINYL CHLORIDE	1.397	1.454	-4.1	104	0.00	4.69- 5.29
7	m	1,3-BUTADIENE	1.410	1.325	6.0	93	0.00	4.84- 5.44
8	m	BROMOMETHANE	1.453	1.512	-4.1	103	0.00	5.14- 5.74
9	m	CHLOROETHANE	0.590	0.662	-12.2	111	0.00	5.33- 5.93
10	m	TRICHLOROFLUOROMETHANE	6.479	6.448	0.5	101	0.00	6.14- 6.74
11	m	ISOPROPYL ALCOHOL	2.329	2.764	-18.7	128	0.00	6.17- 6.77
			True	Calc.	% Drift			
12	m	ACETONE	10.000	10.905	-9.0	131	0.00	5.93- 6.53
			AvgRF	CCRF	% Dev			
13	m	PENTANE	1.452	1.592	-9.6	112	0.00	6.50- 7.10
14	m	1,1-DICHLOROETHYLENE	1.427	1.547	-8.4	111	0.00	6.79- 7.39
15	m	CARBON DISULFIDE	5.299	4.696	11.4	103	0.00	7.23- 7.83
16	m	ETHANOL	0.396	0.503	-27.0	131	0.00	5.42- 6.02
17	m	BROMOETHENE	1.446	1.488	-2.9	101	0.00	5.71- 6.31
18	m	METHYLENE CHLORIDE	1.309	1.351	-3.2	114	0.00	6.89- 7.49
19	m	3-CHLOROPROPENE	2.182	2.313	-6.0	110	0.00	7.02- 7.62
20	m	FREON 113	3.001	3.043	-1.4	110	0.00	7.16- 7.76
21	m	TRANS-1,2-DICHLOROETHY	1.431	1.503	-5.0	112	0.00	7.82- 8.42
22	m	TERTIARY BUTYL ALCOHOL	3.031	3.480	-14.8	121	0.00	6.78- 7.38
23	m	METHYL TERTIARY BUTYL	3.556	3.833	-7.8	122	0.00	8.05- 8.65
24	m	TETRAHYDROFURAN	1.028	1.131	-10.0	122	0.00	9.47-10.07
25	m	HEXANE	1.937	1.892	2.3	104	0.00	9.01- 9.61
26	m	VINYL ACETATE	3.024	3.892	-28.7	137	0.00	8.13- 8.73
27	m	1,1-DICHLOROETHANE	2.948	3.062	-3.9	107	0.00	8.02- 8.62
28	m	METHYL ETHYL KETONE	2.240	2.309	-3.1	114	0.00	8.37- 8.97
29	m	cis-1,2-DICHLOROETHYLE	1.413	1.475	-4.4	106	0.00	8.82- 9.42
30	m	ETHYL ACETATE	3.529	3.645	-3.3	112	0.00	8.99- 9.59
31	m	CHLOROFORM	4.073	3.961	2.7	105	0.00	9.10- 9.70
32	m	1,1,1-TRICHLOROETHANE	4.650	4.592	1.2	103	0.00	10.05-10.65
33	m	CARBON TETRACHLORIDE	5.321	5.054	5.0	101	0.00	10.63-11.23
34	m	1,2-DICHLOROETHANE	2.919	3.089	-5.8	107	0.00	9.80-10.40
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	102	0.00	10.78-11.38
36	m	BENZENE	0.740	0.831	-12.3	113	0.00	10.49-11.09
37	m	CYCLOHEXANE	0.361	0.331	8.3	104	0.00	10.75-11.35

5.9.6 5

Continuing Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ511-CC511
Lab FileID: Q11356A.D

38	m	TRICHLOROETHYLENE	0.482	0.483	-0.2	106	0.00	11.47-12.07
39	m	1,2-DICHLOROPROPANE	0.248	0.287	-15.7	117	0.00	11.25-11.85
40	m	BROMODICHLOROMETHANE	0.856	0.895	-4.6	103	0.00	11.43-12.03
41	m	2,2,4-TRIMETHYLPENTANE	1.361	1.417	-4.1	108	0.00	11.49-12.09
42	m	1,4-DIOXANE	0.115	0.132	-14.8	117	0.00	11.41-12.08
43	m	HEPTANE	0.511	0.511	0.0	103	0.00	11.71-12.31
44	m	METHYL ISOBUTYL KETONE	0.533	0.574	-7.7	112	0.00	12.28-12.88
45	m	cis-1,3-DICHLOROPROPEN	0.443	0.504	-13.8	112	0.00	12.27-12.87
46	m	TOLUENE	0.497	0.590	-18.7	118	0.00	13.23-13.83
47	m	trans-1,3-DICHLOROPROP	0.456	0.514	-12.7	110	0.00	12.76-13.36
48	m	1,1,2-TRICHLOROETHANE	0.268	0.305	-13.8	119	0.00	12.95-13.55
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	104	0.00	15.01-15.61
50	m	2-HEXANONE	0.528	0.598	-13.3	109	0.00	13.44-14.04
51	m	TETRACHLOROETHYLENE	0.547	0.537	1.8	106	0.00	14.36-14.96
52	m	DIBROMOCHLOROMETHANE	0.875	0.946	-8.1	108	0.00	13.66-14.26
53	m	1,2-DIBROMOETHANE	0.582	0.638	-9.6	110	0.00	13.91-14.51
54	m	CHLOROBENZENE	0.809	0.877	-8.4	113	0.00	15.06-15.66
55	m	ETHYLBENZENE	1.280	1.553	-21.3	127	0.00	15.43-16.03
56	m	m,p-XYLENE	0.472	0.565	-19.7	126	0.00	15.62-16.22
57	m	o-XYLENE	0.468	0.565	-20.7	126	0.00	16.12-16.72
58	m	STYRENE	0.656	0.772	-17.7	116	0.00	16.00-16.60
59	m	NONANE	0.741	0.931	-25.6	123	0.00	16.30-16.90
60	m	BROMOFORM	0.746	0.859	-15.1	112	0.00	15.73-16.33
61	S	4-BROMOFLUOROBENZENE	0.793	0.815	-2.8	102	0.00	16.61-17.21
62	m	1,1,2,2-TETRACHLOROETH	0.707	0.862	-21.9	132	0.00	16.11-16.71
63	m	ISOPROPYLBENZENE	1.504	1.852	-23.1	131	0.00	16.75-17.35
64	m	2-CHLOROTOLUENE	1.089	1.330	-22.1	123	0.00	17.28-17.88
65	m	4-ETHYLTOLUENE	1.322	1.589	-20.2	126	0.00	17.45-18.05
66	m	1,3,5-TRIMETHYLBENZENE	1.158	1.485	-28.2	133	0.00	17.53-18.13
67	m	1,2,4-TRIMETHYLBENZENE	1.087	1.391	-28.0	136	0.00	17.98-18.58
68	m	m-DICHLOROBENZENE	0.724	0.758	-4.7	113	0.00	18.17-18.77
			True	Calc.	% Drift			
69	m	BENZYL CHLORIDE	10.000	8.560	14.4	100	0.00	18.14-18.74
			AvgRF	CCRF	% Dev			
70	m	p-DICHLOROBENZENE	0.687	0.667	2.9	105	0.00	18.23-18.83
71	m	o-DICHLOROBENZENE	0.623	0.739	-18.6	128	0.00	18.61-19.21
			True	Calc.	% Drift			
72	m	HEXACHLOROBUTADIENE	10.000	13.975	-39.8#	176	0.00	20.96-21.56
			AvgRF	CCRF	% Dev			
73	m	1,2,4-TRICHLOROBENZENE	0.191	0.176	7.9	109	0.00	20.48-21.08
74	m	NAPHTHALENE			----------NA----------			
75		2-METHYLNAPHTHALENE			----------NA----------			
76		1-METHYLNAPHTHALENE			----------NA----------			

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q11352.D Q061509T.m Wed Jun 17 09:14:44 2009 RPT1

5.9.6

Initial Calibration Verification

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ511-ICV511
Lab FileID: Q11356.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q11356.D
Acq On : 15 Jun 2009 4:07 pm
Sample : icv511-10 (M001)
Misc : MS18221,MSQ511,,,,,1
MS Integration Params: rteint.p

Vial: 1
Operator: danat
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q061509T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 15 15:28:48 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	108	0.00	8.99- 9.59
2 m	DICHLORODIFLUOROMETHAN	6.900	6.254	9.4	97	0.00	4.25- 4.85
3 m	PROPYLENE	1.097	0.973	11.3	93	0.00	4.17- 4.77
4 m	FREON 114	5.470	5.300	3.1	97	0.00	4.55- 5.15
5 m	CHLOROMETHANE	1.194	1.229	-2.9	102	0.00	4.43- 5.03
6 m	VINYL CHLORIDE	1.397	1.454	-4.1	104	0.00	4.69- 5.29
7 m	1,3-BUTADIENE	1.410	1.325	6.0	93	0.00	4.84- 5.44
8 m	BROMOMETHANE	1.453	1.512	-4.1	103	0.00	5.14- 5.74
9 m	CHLOROETHANE	0.590	0.662	-12.2	111	0.00	5.33- 5.93
10 m	TRICHLOROFLUOROMETHANE	6.479	6.448	0.5	101	0.00	6.14- 6.74
11 m	ISOPROPYL ALCOHOL	2.329	2.764	-18.7	128	0.00	6.17- 6.77
		True	Calc.	% Drift			
12 m	ACETONE	10.000	10.905	-9.0	131	0.00	5.93- 6.53
		AvgRF	CCRF	% Dev			
13 m	PENTANE	1.452	1.592	-9.6	112	0.00	6.50- 7.10
14 m	1,1-DICHLOROETHYLENE	1.427	1.547	-8.4	111	0.00	6.79- 7.39
15 m	CARBON DISULFIDE	5.299	4.696	11.4	103	0.00	7.23- 7.83
16 m	ETHANOL	0.396	0.503	-27.0	131	0.00	5.42- 6.02
17 m	BROMOETHENE	1.446	1.488	-2.9	101	0.00	5.71- 6.31
18 m	METHYLENE CHLORIDE	1.309	1.351	-3.2	114	0.00	6.89- 7.49
19 m	3-CHLOROPROPENE	2.182	2.313	-6.0	110	0.00	7.02- 7.62
20 m	FREON 113	3.001	3.043	-1.4	110	0.00	7.16- 7.76
21 m	TRANS-1,2-DICHLOROETHY	1.431	1.503	-5.0	112	0.00	7.82- 8.42
22 m	TERTIARY BUTYL ALCOHOL	3.031	3.480	-14.8	121	0.00	6.78- 7.38
23 m	METHYL TERTIARY BUTYL	3.556	3.833	-7.8	122	0.00	8.05- 8.65
24 m	TETRAHYDROFURAN	1.028	1.131	-10.0	122	0.00	9.47-10.07
25 m	HEXANE	1.937	1.892	2.3	104	0.00	9.01- 9.61
26 m	VINYL ACETATE	3.024	3.892	-28.7	137	0.00	8.13- 8.73
27 m	1,1-DICHLOROETHANE	2.948	3.062	-3.9	107	0.00	8.02- 8.62
28 m	METHYL ETHYL KETONE	2.240	2.309	-3.1	114	0.00	8.37- 8.97
29 m	cis-1,2-DICHLOROETHYLE	1.413	1.475	-4.4	106	0.00	8.82- 9.42
30 m	ETHYL ACETATE	3.529	3.645	-3.3	112	0.00	8.99- 9.59
31 m	CHLOROFORM	4.073	3.961	2.7	105	0.00	9.10- 9.70
32 m	1,1,1-TRICHLOROETHANE	4.650	4.592	1.2	103	0.00	10.05-10.65
33 m	CARBON TETRACHLORIDE	5.321	5.054	5.0	101	0.00	10.63-11.23
34 m	1,2-DICHLOROETHANE	2.919	3.089	-5.8	107	0.00	9.80-10.40
35 I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	102	0.00	10.78-11.38
36 m	BENZENE	0.740	0.831	-12.3	113	0.00	10.49-11.09
37 m	CYCLOHEXANE	0.361	0.331	8.3	104	0.00	10.75-11.35

5.9.7 5

Initial Calibration Verification

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ511-ICV511
Lab FileID: Q11356.D

38 m	TRICHLOROETHYLENE	0.482	0.483	-0.2	106	0.00	11.47-12.07
39 m	1,2-DICHLOROPROPANE	0.248	0.287	-15.7	117	0.00	11.25-11.85
40 m	BROMODICHLOROMETHANE	0.856	0.895	-4.6	103	0.00	11.43-12.03
41 m	2,2,4-TRIMETHYLPENTANE	1.361	1.417	-4.1	108	0.00	11.49-12.09
42 m	1,4-DIOXANE	0.115	0.132	-14.8	117	0.00	11.41-12.08
43 m	HEPTANE	0.511	0.511	0.0	103	0.00	11.71-12.31
44 m	METHYL ISOBUTYL KETONE	0.533	0.574	-7.7	112	0.00	12.28-12.88
45 m	cis-1,3-DICHLOROPROPEN	0.443	0.504	-13.8	112	0.00	12.27-12.87
46 m	TOLUENE	0.497	0.590	-18.7	118	0.00	13.23-13.83
47 m	trans-1,3-DICHLOROPROP	0.456	0.514	-12.7	110	0.00	12.76-13.36
48 m	1,1,2-TRICHLOROETHANE	0.268	0.305	-13.8	119	0.00	12.95-13.55
49 I	CHLOROBENZENE-D5	1.000	1.000	0.0	104	0.00	15.01-15.61
50 m	2-HEXANONE	0.528	0.598	-13.3	109	0.00	13.44-14.04
51 m	TETRACHLOROETHYLENE	0.547	0.537	1.8	106	0.00	14.36-14.96
52 m	DIBROMOCHLOROMETHANE	0.875	0.946	-8.1	108	0.00	13.66-14.26
53 m	1,2-DIBROMOETHANE	0.582	0.638	-9.6	110	0.00	13.91-14.51
54 m	CHLOROBENZENE	0.809	0.877	-8.4	113	0.00	15.06-15.66
55 m	ETHYLBENZENE	1.280	1.553	-21.3	127	0.00	15.43-16.03
56 m	m,p-XYLENE	0.472	0.565	-19.7	126	0.00	15.62-16.22
57 m	o-XYLENE	0.468	0.565	-20.7	126	0.00	16.12-16.72
58 m	STYRENE	0.656	0.772	-17.7	116	0.00	16.00-16.60
59 m	NONANE	0.741	0.931	-25.6	123	0.00	16.30-16.90
60 m	BROMOFORM	0.746	0.859	-15.1	112	0.00	15.73-16.33
61 S	4-BROMOFLUOROBENZENE	0.793	0.815	-2.8	102	0.00	16.61-17.21
62 m	1,1,2,2-TETRACHLOROETH	0.707	0.862	-21.9	132	0.00	16.11-16.71
63 m	ISOPROPYLBENZENE	1.504	1.852	-23.1	131	0.00	16.75-17.35
64 m	2-CHLOROTOLUENE	1.089	1.330	-22.1	123	0.00	17.28-17.88
65 m	4-ETHYLTOLUENE	1.322	1.589	-20.2	126	0.00	17.45-18.05
66 m	1,3,5-TRIMETHYLBENZENE	1.158	1.485	-28.2	133	0.00	17.53-18.13
67 m	1,2,4-TRIMETHYLBENZENE	1.087	1.391	-28.0	136	0.00	17.98-18.58
68 m	m-DICHLOROBENZENE	0.724	0.758	-4.7	113	0.00	18.17-18.77
		True	Calc.	% Drift			
69 m	BENZYL CHLORIDE	10.000	8.560	14.4	100	0.00	18.14-18.74
		AvgRF	CCRF	% Dev			
70 m	p-DICHLOROBENZENE	0.687	0.667	2.9	105	0.00	18.23-18.83
71 m	o-DICHLOROBENZENE	0.623	0.739	-18.6	128	0.00	18.61-19.21
		True	Calc.	% Drift			
72 m	HEXACHLOROBUTADIENE	10.000	13.975	-39.8#	176	0.00	20.96-21.56
		AvgRF	CCRF	% Dev			
73 m	1,2,4-TRICHLOROBENZENE	0.191	0.176	7.9	109	0.00	20.48-21.08
74 m	NAPHTHALENE		----------NA----------				
75	2-METHYLNAPHTHALENE		----------NA----------				
76	1-METHYLNAPHTHALENE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Q11352.D Q061509T.m Tue Jun 16 11:29:55 2009 RPT1

Continuing Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ512-CC511
Lab FileID: Q11377.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q11377.D
Acq On : 17 Jun 2009 9:00 am
Sample : cc511-10 (M001)
Misc : MS18221,MSQ512,,,,,1
MS Integration Params: rteint.p

Vial: 1
Operator: danat
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q061509T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 15 15:28:48 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	112	0.00	8.98- 9.58
2 m	DICHLORODIFLUOROMETHAN	6.900	5.318	22.9	86	0.00	4.26- 4.86
3 m	PROPYLENE	1.097	0.873	20.4	87	0.00	4.17- 4.77
4 m	FREON 114	5.470	4.741	13.3	90	0.00	4.55- 5.15
5 m	CHLOROMETHANE	1.194	1.078	9.7	93	0.00	4.44- 5.04
6 m	VINYL CHLORIDE	1.397	1.267	9.3	94	0.00	4.69- 5.29
7 m	1,3-BUTADIENE	1.410	1.136	19.4	83	0.00	4.84- 5.44
8 m	BROMOMETHANE	1.453	1.313	9.6	93	0.00	5.15- 5.75
9 m	CHLOROETHANE	0.590	0.574	2.7	100	0.00	5.33- 5.93
10 m	TRICHLOROFLUOROMETHANE	6.479	5.112	21.1	83	0.00	6.14- 6.74
11 m	ISOPROPYL ALCOHOL	2.329	2.075	10.9	100	0.00	6.17- 6.77
		True	Calc.	% Drift			
12 m	ACETONE	10.000	8.153	18.5	103	0.00	5.94- 6.54
		AvgRF	CCRF	% Dev			
13 m	PENTANE	1.452	1.283	11.6	93	0.00	6.51- 7.11
14 m	1,1-DICHLOROETHYLENE	1.427	1.248	12.5	93	0.00	6.79- 7.39
15 m	CARBON DISULFIDE	5.299	3.829	27.7	87	0.00	7.23- 7.83
16 m	ETHANOL	0.396	0.413	-4.3	112	0.00	5.42- 6.02
17 m	BROMOETHENE	1.446	1.269	12.2	89	0.00	5.71- 6.31
18 m	METHYLENE CHLORIDE	1.309	1.093	16.5	96	0.00	6.90- 7.50
19 m	3-CHLOROPROPENE	2.182	1.732	20.6	85	0.00	7.02- 7.62
20 m	FREON 113	3.001	2.505	16.5	94	0.00	7.16- 7.76
21 m	TRANS-1,2-DICHLOROETHY	1.431	1.213	15.2	94	0.00	7.82- 8.42
22 m	TERTIARY BUTYL ALCOHOL	3.031	2.552	15.8	92	0.00	6.78- 7.38
23 m	METHYL TERTIARY BUTYL	3.556	3.180	10.6	105	0.00	8.05- 8.65
24 m	TETRAHYDROFURAN	1.028	0.943	8.3	106	0.00	9.47-10.07
25 m	HEXANE	1.937	1.654	14.6	95	0.00	9.01- 9.61
26 m	VINYL ACETATE	3.024	3.304	-9.3	121	0.00	8.13- 8.73
27 m	1,1-DICHLOROETHANE	2.948	2.584	12.3	94	0.00	8.02- 8.62
28 m	METHYL ETHYL KETONE	2.240	1.910	14.7	98	0.00	8.37- 8.97
29 m	cis-1,2-DICHLOROETHYLE	1.413	1.307	7.5	98	0.00	8.82- 9.42
30 m	ETHYL ACETATE	3.529	3.072	12.9	98	0.00	8.99- 9.59
31 m	CHLOROFORM	4.073	3.396	16.6	93	0.00	9.09- 9.69
32 m	1,1,1-TRICHLOROETHANE	4.650	3.888	16.4	90	0.00	10.05-10.65
33 m	CARBON TETRACHLORIDE	5.321	4.215	20.8	88	0.00	10.63-11.23
34 m	1,2-DICHLOROETHANE	2.919	2.476	15.2	89	0.00	9.80-10.40
35 I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	96	0.00	10.78-11.38
36 m	BENZENE	0.740	0.832	-12.4	106	0.00	10.48-11.08
37 m	CYCLOHEXANE	0.361	0.320	11.4	94	0.00	10.75-11.35

5.9.8

Continuing Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ512-CC511
Lab FileID: Q11377.D

38	m	TRICHLOROETHYLENE	0.482	0.456	5.4	94	0.00	11.47-12.07
39	m	1,2-DICHLOROPROPANE	0.248	0.283	-14.1	108	0.00	11.25-11.85
40	m	BROMODICHLOROMETHANE	0.856	0.840	1.9	91	0.00	11.43-12.03
41	m	2,2,4-TRIMETHYLPENTANE	1.361	1.358	0.2	97	0.00	11.48-12.08
42	m	1,4-DIOXANE	0.115	0.126	-9.6	104	0.00	11.41-12.08
43	m	HEPTANE	0.511	0.489	4.3	93	0.00	11.71-12.31
44	m	METHYL ISOBUTYL KETONE	0.533	0.522	2.1	95	0.00	12.27-12.87
45	m	cis-1,3-DICHLOROPROPEN	0.443	0.480	-8.4	100	0.00	12.27-12.87
46	m	TOLUENE	0.497	0.582	-17.1	109	0.00	13.23-13.83
47	m	trans-1,3-DICHLOROPROP	0.456	0.472	-3.5	95	0.00	12.76-13.36
48	m	1,1,2-TRICHLOROETHANE	0.268	0.294	-9.7	108	0.00	12.95-13.55
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	96	0.00	15.01-15.61
50	m	2-HEXANONE	0.528	0.544	-3.0	93	0.00	13.44-14.04
51	m	TETRACHLOROETHYLENE	0.547	0.517	5.5	95	0.00	14.36-14.96
52	m	DIBROMOCHLOROMETHANE	0.875	0.866	1.0	92	0.00	13.66-14.26
53	m	1,2-DIBROMOETHANE	0.582	0.600	-3.1	97	0.00	13.91-14.51
54	m	CHLOROBENZENE	0.809	0.854	-5.6	103	0.00	15.05-15.65
55	m	ETHYLBENZENE	1.280	1.507	-17.7	114	0.00	15.42-16.02
56	m	m,p-XYLENE	0.472	0.535	-13.3	111	0.00	15.61-16.21
57	m	o-XYLENE	0.468	0.531	-13.5	110	0.00	16.12-16.72
58	m	STYRENE	0.656	0.723	-10.2	101	0.00	16.00-16.60
59	m	NONANE	0.741	0.840	-13.4	103	0.00	16.30-16.90
60	m	BROMOFORM	0.746	0.794	-6.4	96	0.00	15.73-16.33
61	S	4-BROMOFLUOROBENZENE	0.793	0.769	3.0	90	0.00	16.61-17.21
62	m	1,1,2,2-TETRACHLOROETH	0.707	0.800	-13.2	114	0.00	16.11-16.71
63	m	ISOPROPYLBENZENE	1.504	1.725	-14.7	114	0.00	16.74-17.34
64	m	2-CHLOROTOLUENE	1.089	1.238	-13.7	107	0.00	17.27-17.87
65	m	4-ETHYLTOLUENE	1.322	1.444	-9.2	107	0.00	17.45-18.05
66	m	1,3,5-TRIMETHYLBENZENE	1.158	1.367	-18.0	114	0.00	17.52-18.12
67	m	1,2,4-TRIMETHYLBENZENE	1.087	1.251	-15.1	114	0.00	17.98-18.58
68	m	m-DICHLOROBENZENE	0.724	0.658	9.1	91	0.00	18.16-18.76
			True	Calc.	% Drift			
69	m	BENZYL CHLORIDE	10.000	7.439	25.6	80	0.00	18.14-18.74
			AvgRF	CCRF	% Dev			
70	m	p-DICHLOROBENZENE	0.687	0.562	18.2	82	0.00	18.23-18.83
71	m	o-DICHLOROBENZENE	0.623	0.754	-21.0	122	0.00	18.61-19.21
			True	Calc.	% Drift			
72	m	HEXACHLOROBUTADIENE	10.000	11.729	-17.3	135	0.00	20.96-21.56
			AvgRF	CCRF	% Dev			
73	m	1,2,4-TRICHLOROBENZENE	0.191	0.153	19.9	88	0.00	20.48-21.08
74	m	NAPHTHALENE		----------NA----------				
75		2-METHYLNAPHTHALENE		----------NA----------				
76		1-METHYLNAPHTHALENE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q11352.D Q061509T.m Thu Jun 18 09:25:16 2009 RPT1

5.9.8 5

Initial Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ513-ICC513
Lab FileID: Q11411.D

Response Factor Report MAMSQ

Method : C:\msdchem\1\METHODS\Q061909T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 22 09:18:14 2009
Response via : Initial Calibration

Calibration Files
.2 =Q11408.D .5 =Q11407.D 2 =Q11409.D
5 =Q11410.D 10 =Q11411.D 20 =Q11412.D 40 =Q11415.D

Compound	.2	.5	2	5	10	20	40	Avg	%RSD
1) I BROMOCHLOROMETHANE	----------ISTD----------								
2)m DICHLORODIFLUOROM	7.656	6.434	9.614	8.325	6.956	6.773	5.786	7.364	17.48
3)m PROPYLENE	1.017	1.008	1.383	1.197	1.005	1.060	0.879	1.079	15.16
4)m FREON 114	5.585	4.919	7.610	6.337	5.638	5.830	5.194	5.873	15.14
5)m CHLOROMETHANE	1.255	1.175	1.667	1.396	1.223	1.254	1.047	1.288	15.29
6)m VINYL CHLORIDE	1.508	1.306	1.936	1.655	1.458	1.513	1.256	1.519	14.97
7)m 1,3-BUTADIENE	1.471	1.214	1.906	1.551	1.404	1.370	1.180	1.442	16.87
8)m BROMOMETHANE	1.639	1.338	2.121	1.677	1.515	1.589	1.392	1.610	15.98
9)m CHLOROETHANE	0.459	0.584	0.946	0.723	0.653	0.697	0.600	0.666	22.69
10)m TRICHLOROFLUOROME	6.843	5.867	9.877	7.629	6.679	6.717	6.309	7.132	18.57
11)m ISOPROPYL ALCOHOL	2.447	2.142	3.369	2.396	2.164	2.400	2.256	2.453	17.17
12)m ACETONE	3.498	3.046	3.202	2.381	2.234	2.660	2.527	2.793	16.66
13)m PENTANE	1.561	1.308	2.015	1.535	1.383	1.382	1.277	1.495	16.94
14)m 1,1-DICHLOROETHYL	1.388	1.310	2.069	1.575	1.430	1.477	1.425	1.525	16.61
15)m CARBON DISULFIDE	4.406	4.358	5.980	4.643	4.174	4.440	4.317	4.617	13.38
16)m ETHANOL	0.330	0.413	0.568	0.421	0.371	0.434	0.393	0.418	17.81
17)m BROMOETHENE	1.502	1.427	2.059	1.634	1.526	1.578	1.412	1.591	13.87
18)m METHYLENE CHLORID	1.771	1.326	1.849	1.415	1.256	1.315	1.243	1.454	17.26
19)m 3-CHLOROPROPENE	2.078	1.685	2.653	2.349	2.118	2.081	1.945	2.130	14.32
20)m FREON 113	2.797	2.580	4.014	3.107	2.802	2.991	3.043	3.048	15.16
21)m TRANS-1,2-DICHLOR	1.502	1.326	2.041	1.573	1.396	1.479	1.485	1.543	15.12
22)m TERTIARY BUTYL AL	3.104	2.780	4.841	3.541	3.078	3.316	2.209	3.267	24.92
23)m METHYL TERTIARY B	3.274	2.942	4.917	3.668	3.491	4.198	4.391	3.840	18.00
24)m TETRAHYDROFURAN	0.842	0.781	1.386	0.992	0.943	1.161	1.145	1.036	20.24
25)m HEXANE	1.838	1.691	2.772	2.121	1.891	1.977	1.872	2.023	17.56
26)m VINYL ACETATE	2.001	2.389	3.538	2.923	3.176	3.770	3.659	3.065	21.86
27)m 1,1-DICHLOROETHAN	2.995	2.862	4.087	3.418	3.107	3.195	3.117	3.255	12.45
28)m METHYL ETHYL KETO	2.116	1.919	3.070	2.242	2.047	2.445	2.412	2.321	16.41
29)m cis-1,2-DICHLOROE	1.290	1.416	1.881	1.585	1.426	1.518	1.408	1.504	12.66
30)m ETHYL ACETATE	3.292	2.891	4.687	3.568	3.263	3.727	3.639	3.581	15.75
31)m CHLOROFORM	3.900	3.622	5.817	4.568	4.052	4.174	3.919	4.293	17.05
32)m 1,1,1-TRICHLOROET	4.246	4.095	6.474	5.327	4.792	4.914	4.690	4.934	16.10
33)m CARBON TETRACHLOR	4.425	4.023	7.273	5.607	5.019	5.208	5.152	5.244	19.80
34)m 1,2-DICHLOROETHAN	2.682	2.735	4.003	3.428	3.174	3.287	3.120	3.204	13.94
35) I 1,4-DIFLUOROBENZENE	----------ISTD----------								
36)m BENZENE	0.718	0.690	0.942	0.837	0.792	0.880	0.843	0.815	10.88
37)m CYCLOHEXANE	0.402	0.316	0.503	0.378	0.337	0.360	0.342	0.377	16.54
38)m TRICHLOROETHYLENE	0.479	0.424	0.647	0.537	0.482	0.539	0.561	0.524	13.68
39)m 1,2-DICHLOROPROPA	0.251	0.239	0.321	0.276	0.267	0.305	0.294	0.279	10.55
40)m BROMODICHLOROMETH	0.707	0.667	1.127	0.970	0.916	1.012	0.993	0.913	18.33
41)m 2,2,4-TRIMETHYLPE	1.399	1.227	1.879	1.520	1.385	1.506	1.481	1.485	13.48
42)m 1,4-DIOXANE	0.104	0.097	0.181	0.134	0.116	0.144	0.153	0.133	22.26
43)m HEPTANE	0.452	0.436	0.734	0.566	0.512	0.551	0.520	0.539	18.25
44)m METHYL ISOBUTYL K	0.456	0.442	0.772	0.599	0.524	0.618	0.627	0.577	19.81
45)m cis-1,3-DICHLOROP	0.356	0.385	0.547	0.508	0.500	0.581	0.598	0.497	18.79

Initial Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ513-ICC513
Lab FileID: Q11411.D

46)m TOLUENE	0.431	0.447	0.602	0.532	0.550	0.668	0.687	0.559	17.85
47)m trans-1,3-DICHLOR	0.348	0.382	0.566	0.529	0.527	0.642	0.644	0.520	22.36
48)m 1,1,2-TRICHLOROET	0.227	0.237	0.313	0.277	0.284	0.336	0.342	0.288	15.76
49) I CHLOROBENZENE-D5	----------ISTD----------								
50)m 2-HEXANONE	0.413	0.461	0.761	0.635	0.580	0.654	0.636	0.592	20.16
51)m TETRACHLOROETHYLE	0.489	0.454	0.652	0.542	0.505	0.583	0.610	0.548	12.92
52)m DIBROMOCHLOROMETH	0.543	0.566	0.934	0.903	0.895	1.019	1.024	0.841	24.05
53)m 1,2-DIBROMOETHANE	0.478	0.491	0.668	0.612	0.624	0.738	0.741	0.622	17.09
54)m CHLOROBENZENE	0.725	0.717	0.962	0.836	0.830	0.958	0.959	0.855	12.64
55)m ETHYLBENZENE	1.026	1.050	1.580	1.344	1.435	1.724	1.720	1.411	20.57
56)m m,p-XYLENE	0.360	0.373	0.570	0.479	0.518	0.638	0.660	0.514	23.13
57)m o-XYLENE	0.331	0.359	0.570	0.489	0.535	0.656	0.698	0.520	26.71
58)m STYRENE	0.474	0.516	0.826	0.732	0.802	0.987	0.974	0.759	26.64
59)m NONANE	0.565	0.637	0.948	0.883	0.884	0.954	0.891	0.823	18.95
60)m BROMOFORM	0.341	0.422	0.731	0.741	0.796	0.975	1.035	0.720	35.99
----- Quadratic regression ----- Coefficient = 0.9990									
Response Ratio = -0.03934 + 0.86941 *A + 0.04459 *A^2									
61)S 4-BROMOFLUOROBENZ	0.750	0.768	0.863	0.903	0.935	0.906	0.911	0.862	8.56
62)m 1,1,2,2-TETRACHLO	0.493	0.538	0.852	0.727	0.765	0.975	1.031	0.768	26.54
63)m ISOPROPYLBENZENE	1.125	1.129	1.901	1.601	1.717	2.093	2.105	1.667	24.71
----- Quadratic regression ----- Coefficient = 0.9983									
Response Ratio = -0.07560 + 1.94695 *A + 0.04634 *A^2									
64)m 2-CHLOROTOLUENE	0.852	0.923	1.429	1.273	1.337	1.569	1.548	1.276	22.42
65)m 4-ETHYLTOLUENE	0.941	0.975	1.678	1.461	1.547	1.973	2.015	1.513	28.46
----- Quadratic regression ----- Coefficient = 0.9979									
Response Ratio = -0.08031 + 1.78602 *A + 0.06446 *A^2									
66)m 1,3,5-TRIMETHYLBE	0.799	0.877	1.575	1.326	1.382	1.752	1.795	1.358	29.12
----- Quadratic regression ----- Coefficient = 0.9981									
Response Ratio = -0.06365 + 1.58274 *A + 0.05884 *A^2									
67)m 1,2,4-TRIMETHYLBE	0.791	0.849	1.453	1.278	1.315	1.668	1.735	1.298	28.32
----- Quadratic regression ----- Coefficient = 0.9983									
Response Ratio = -0.05774 + 1.48628 *A + 0.06739 *A^2									
68)m m-DICHLOROBENZENE	0.488	0.562	0.917	0.808	0.874	1.072	1.131	0.836	28.79
69)m BENZYL CHLORIDE	0.402	0.504	1.055	0.976	1.043	1.377	1.468	0.975	41.14
----- Quadratic regression ----- Coefficient = 0.9981									
Response Ratio = -0.06220 + 1.18814 *A + 0.07542 *A^2									
70)m p-DICHLOROBENZENE	0.505	0.545	0.862	0.761	0.814	1.021	1.074	0.797	27.16
71)m o-DICHLOROBENZENE	0.439	0.517	0.795	0.694	0.797	0.941	0.993	0.739	27.79
72)m HEXACHLOROBUTADIE	0.290	0.329	0.503	0.397	0.472	0.644	0.625	0.466	29.46
73)m 1,2,4-TRICHLOROBE	0.153	0.210	0.269	0.213	0.227	0.323	0.367	0.252	29.14
74)m NAPHTHALENE								0.000	-1.00
75) 2-METHYLNAPHTHALE								0.000	-1.00
76) 1-METHYLNAPHTHALE								0.000	-1.00

(#) = Out of Range

Q061909T.m Mon Jun 22 13:58:05 2009 RPT1

5.9.9

Raw Data: Q11417.D

Continuing Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ513-CC513
Lab FileID: Q11417.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q11417.D
Acq On : 22 Jun 2009 8:53 am
Sample : cc513-10 (M001)
Misc : MS18221,MSQ513,,,,,1
MS Integration Params: rteint.p

Vial: 1
Operator: danat
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q061909T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 22 09:18:14 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1 I	BROMOCHLOROMETHANE	1.000	1.000	0.0	95	0.00	8.98- 9.58
2 m	DICHLORODIFLUOROMETHAN	7.364	6.752	8.3	93	0.00	4.25- 4.85
3 m	PROPYLENE	1.079	0.775	28.2	74	0.00	4.18- 4.78
4 m	FREON 114	5.873	5.337	9.1	90	0.00	4.55- 5.15
5 m	CHLOROMETHANE	1.288	1.025	20.4	80	0.00	4.44- 5.04
6 m	VINYL CHLORIDE	1.519	1.255	17.4	82	0.00	4.69- 5.29
7 m	1,3-BUTADIENE	1.442	1.126	21.9	77	0.00	4.84- 5.44
8 m	BROMOMETHANE	1.610	1.400	13.0	88	0.00	5.15- 5.75
9 m	CHLOROETHANE	0.666	0.589	11.6	86	0.00	5.33- 5.93
10 m	TRICHLOROFLUOROMETHANE	7.132	6.954	2.5	99	0.00	6.14- 6.74
11 m	ISOPROPYL ALCOHOL	2.453	2.332	4.9	103	0.00	6.17- 6.77
12 m	ACETONE	2.793	2.658	4.8	114	0.00	5.93- 6.53
13 m	PENTANE	1.495	1.252	16.3	86	0.00	6.50- 7.10
14 m	1,1-DICHLOROETHYLENE	1.525	1.458	4.4	97	0.00	6.79- 7.39
15 m	CARBON DISULFIDE	4.617	4.274	7.4	98	0.00	7.23- 7.83
16 m	ETHANOL	0.418	0.398	4.8	102	0.00	5.42- 6.02
17 m	BROMOETHENE	1.591	1.384	13.0	87	0.00	5.71- 6.31
18 m	METHYLENE CHLORIDE	1.454	1.258	13.5	96	0.00	6.90- 7.50
19 m	3-CHLOROPROPENE	2.130	2.148	-0.8	97	0.00	7.02- 7.62
20 m	FREON 113	3.048	3.048	0.0	104	0.00	7.16- 7.76
21 m	TRANS-1,2-DICHLOROETHY	1.543	1.441	6.6	98	0.00	7.83- 8.43
22 m	TERTIARY BUTYL ALCOHOL	3.267	3.230	1.1	100	0.00	6.78- 7.38
23 m	METHYL TERTIARY BUTYL	3.840	4.190	-9.1	115	0.00	8.05- 8.65
24 m	TETRAHYDROFURAN	1.036	1.015	2.0	103	0.00	9.47-10.07
25 m	HEXANE	2.023	1.706	15.7	86	0.00	9.01- 9.61
26 m	VINYL ACETATE	3.065	3.583	-16.9	108	0.00	8.13- 8.73
27 m	1,1-DICHLOROETHANE	3.255	3.227	0.9	99	0.00	8.02- 8.62
28 m	METHYL ETHYL KETONE	2.321	2.126	8.4	99	0.00	8.37- 8.97
29 m	cis-1,2-DICHLOROETHYLE	1.504	1.404	6.6	94	0.00	8.82- 9.42
30 m	ETHYL ACETATE	3.581	3.285	8.3	96	0.00	8.99- 9.59
31 m	CHLOROFORM	4.293	4.126	3.9	97	0.00	9.10- 9.70
32 m	1,1,1-TRICHLOROETHANE	4.934	5.079	-2.9	101	0.00	10.05-10.65
33 m	CARBON TETRACHLORIDE	5.244	5.525	-5.4	105	0.00	10.63-11.23
34 m	1,2-DICHLOROETHANE	3.204	3.410	-6.4	103	0.00	9.80-10.40
35 I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	88	0.00	10.78-11.38
36 m	BENZENE	0.815	0.874	-7.2	97	0.00	10.49-11.09
37 m	CYCLOHEXANE	0.377	0.334	11.4	87	0.00	10.75-11.35
38 m	TRICHLOROETHYLENE	0.524	0.504	3.8	92	0.00	11.47-12.07
39 m	1,2-DICHLOROPROPANE	0.279	0.305	-9.3	100	0.00	11.25-11.85
40 m	BROMODICHLOROMETHANE	0.913	1.040	-13.9	99	0.00	11.43-12.03
41 m	2,2,4-TRIMETHYLPENTANE	1.485	1.376	7.3	87	0.00	11.49-12.09

5.9.10 5

Continuing Calibration Summary

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ513-CC513
Lab FileID: Q11417.D

42	m	1,4-DIOXANE	0.133	0.123	7.5	93	0.00	11.41-12.08
43	m	HEPTANE	0.539	0.482	10.6	82	0.00	11.71-12.31
44	m	METHYL ISOBUTYL KETONE	0.577	0.546	5.4	91	0.00	12.28-12.88
45	m	cis-1,3-DICHLOROPROPEN	0.497	0.523	-5.2	92	0.00	12.27-12.87
46	m	TOLUENE	0.559	0.590	-5.5	94	0.00	13.23-13.83
47	m	trans-1,3-DICHLOROPROP	0.520	0.554	-6.5	92	0.00	12.76-13.36
48	m	1,1,2-TRICHLOROETHANE	0.288	0.311	-8.0	96	0.00	12.95-13.55
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	88	0.00	15.01-15.61
50	m	2-HEXANONE	0.592	0.571	3.5	87	0.00	13.44-14.04
51	m	TETRACHLOROETHYLENE	0.548	0.551	-0.5	96	0.00	14.36-14.96
52	m	DIBROMOCHLOROMETHANE	0.841	1.030	-22.5	101	0.00	13.66-14.26
53	m	1,2-DIBROMOETHANE	0.622	0.654	-5.1	93	0.00	13.91-14.51
54	m	CHLOROBENZENE	0.855	0.851	0.5	90	0.00	15.06-15.66
55	m	ETHYLBENZENE	1.411	1.607	-13.9	99	0.00	15.42-16.02
56	m	m,p-XYLENE	0.514	0.568	-10.5	97	0.00	15.62-16.22
57	m	o-XYLENE	0.520	0.618	-18.8	102	0.00	16.12-16.72
58	m	STYRENE	0.759	0.782	-3.0	86	0.00	16.00-16.60
59	m	NONANE	0.823	0.963	-17.0	96	0.00	16.30-16.90
			True	Calc.	% Drift			
60	m	BROMOFORM	10.000	10.697	-7.0	104	0.00	15.73-16.33
			AvgRF	CCRF	% Dev			
61	S	4-BROMOFLUOROBENZENE	0.862	1.006	-16.7	95	0.00	16.61-17.21
62	m	1,1,2,2-TETRACHLOROETH	0.768	0.933	-21.5	108	0.00	16.10-16.70
			True	Calc.	% Drift			
63	m	ISOPROPYLBENZENE	10.000	11.332	-13.3	113	0.00	16.74-17.34
			AvgRF	CCRF	% Dev			
64	m	2-CHLOROTOLUENE	1.276	1.596	-25.1	105	0.00	17.27-17.87
			True	Calc.	% Drift			
65	m	4-ETHYLTOLUENE	10.000	10.486	-4.9	106	0.00	17.45-18.05
66	m	1,3,5-TRIMETHYLBENZENE	10.000	11.198	-12.0	114	0.00	17.53-18.13
67	m	1,2,4-TRIMETHYLBENZENE	10.000	11.550	-15.5	117	0.00	17.98-18.58
			AvgRF	CCRF	% Dev			
68	m	m-DICHLOROBENZENE	0.836	0.886	-6.0	89	0.00	18.16-18.76
			True	Calc.	% Drift			
69	m	BENZYL CHLORIDE	10.000	8.143	18.6	81	0.00	18.14-18.74
			AvgRF	CCRF	% Dev			
70	m	p-DICHLOROBENZENE	0.797	0.750	5.9	81	0.00	18.23-18.83
71	m	o-DICHLOROBENZENE	0.739	0.864	-16.9	96	0.00	18.61-19.21
72	m	HEXACHLOROBUTADIENE	0.466	0.703	-50.9#	131	0.00	20.96-21.56
73	m	1,2,4-TRICHLOROBENZENE	0.252	0.187	25.8	73	0.00	20.47-21.07
74	m	NAPHTHALENE		----------NA----------				
75		2-METHYLNAPHTHALENE		----------NA----------				
76		1-METHYLNAPHTHALENE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q11411.D Q061909T.m Tue Jun 23 09:22:50 2009 RPT1

5.9.10 5

Raw Data: Q11417A.D

Initial Calibration Verification

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ513-ICV513
Lab FileID: Q11417A.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\DATA\Q11417a.D
Acq On : 22 Jun 2009 8:53 am
Sample : icv513-10 (M001)
Misc : MS18221,MSQ513,,,,,1
MS Integration Params: rteint.p

Vial: 1
Operator: danat
Inst : MAMSQ
Multiplr: 1.00

Method : C:\msdchem\1\METHODS\Q061909T.m (RTE Integrator)
Title : TO15 by GCMS w/DB-1 60 m X .25 mm ID 1.0 um
Last Update : Mon Jun 22 09:18:14 2009
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	RT Window
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	95	0.00	8.98- 9.58
2	m	DICHLORODIFLUOROMETHAN	7.364	6.752	8.3	93	0.00	4.25- 4.85
3	m	PROPYLENE	1.079	0.775	28.2	74	0.00	4.18- 4.78
4	m	FREON 114	5.873	5.337	9.1	90	0.00	4.55- 5.15
5	m	CHLOROMETHANE	1.288	1.025	20.4	80	0.00	4.44- 5.04
6	m	VINYL CHLORIDE	1.519	1.255	17.4	82	0.00	4.69- 5.29
7	m	1,3-BUTADIENE	1.442	1.126	21.9	77	0.00	4.84- 5.44
8	m	BROMOMETHANE	1.610	1.400	13.0	88	0.00	5.15- 5.75
9	m	CHLOROETHANE	0.666	0.589	11.6	86	0.00	5.33- 5.93
10	m	TRICHLOROFLUOROMETHANE	7.132	6.954	2.5	99	0.00	6.14- 6.74
11	m	ISOPROPYL ALCOHOL	2.453	2.332	4.9	103	0.00	6.17- 6.77
12	m	ACETONE	2.793	2.658	4.8	114	0.00	5.93- 6.53
13	m	PENTANE	1.495	1.252	16.3	86	0.00	6.50- 7.10
14	m	1,1-DICHLOROETHYLENE	1.525	1.458	4.4	97	0.00	6.79- 7.39
15	m	CARBON DISULFIDE	4.617	4.274	7.4	98	0.00	7.23- 7.83
16	m	ETHANOL	0.418	0.398	4.8	102	0.00	5.42- 6.02
17	m	BROMOETHENE	1.591	1.384	13.0	87	0.00	5.71- 6.31
18	m	METHYLENE CHLORIDE	1.454	1.258	13.5	96	0.00	6.90- 7.50
19	m	3-CHLOROPROPENE	2.130	2.148	-0.8	97	0.00	7.02- 7.62
20	m	FREON 113	3.048	3.048	0.0	104	0.00	7.16- 7.76
21	m	TRANS-1,2-DICHLOROETHY	1.543	1.441	6.6	98	0.00	7.83- 8.43
22	m	TERTIARY BUTYL ALCOHOL	3.267	3.230	1.1	100	0.00	6.78- 7.38
23	m	METHYL TERTIARY BUTYL	3.840	4.190	-9.1	115	0.00	8.05- 8.65
24	m	TETRAHYDROFURAN	1.036	1.015	2.0	103	0.00	9.47-10.07
25	m	HEXANE	2.023	1.706	15.7	86	0.00	9.01- 9.61
26	m	VINYL ACETATE	3.065	3.583	-16.9	108	0.00	8.13- 8.73
27	m	1,1-DICHLOROETHANE	3.255	3.227	0.9	99	0.00	8.02- 8.62
28	m	METHYL ETHYL KETONE	2.321	2.126	8.4	99	0.00	8.37- 8.97
29	m	cis-1,2-DICHLOROETHYLE	1.504	1.404	6.6	94	0.00	8.82- 9.42
30	m	ETHYL ACETATE	3.581	3.285	8.3	96	0.00	8.99- 9.59
31	m	CHLOROFORM	4.293	4.126	3.9	97	0.00	9.10- 9.70
32	m	1,1,1-TRICHLOROETHANE	4.934	5.079	-2.9	101	0.00	10.05-10.65
33	m	CARBON TETRACHLORIDE	5.244	5.525	-5.4	105	0.00	10.63-11.23
34	m	1,2-DICHLOROETHANE	3.204	3.410	-6.4	103	0.00	9.80-10.40
35	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	88	0.00	10.78-11.38
36	m	BENZENE	0.815	0.874	-7.2	97	0.00	10.49-11.09
37	m	CYCLOHEXANE	0.377	0.334	11.4	87	0.00	10.75-11.35
38	m	TRICHLOROETHYLENE	0.524	0.504	3.8	92	0.00	11.47-12.07
39	m	1,2-DICHLOROPROPANE	0.279	0.305	-9.3	100	0.00	11.25-11.85
40	m	BROMODICHLOROMETHANE	0.913	1.040	-13.9	99	0.00	11.43-12.03
41	m	2,2,4-TRIMETHYLPENTANE	1.485	1.376	7.3	87	0.00	11.49-12.09

5.9.11
5

Initial Calibration Verification

Job Number: M83561
Account: TEMAS Triumvirate Environmental
Project: 42-14 19th Avenue, Astoria NY

Sample: MSQ513-ICV513
Lab FileID: Q11417A.D

42	m	1,4-DIOXANE	0.133	0.123	7.5	93	0.00	11.41-12.08
43	m	HEPTANE	0.539	0.482	10.6	82	0.00	11.71-12.31
44	m	METHYL ISOBUTYL KETONE	0.577	0.546	5.4	91	0.00	12.28-12.88
45	m	cis-1,3-DICHLOROPROPEN	0.497	0.523	-5.2	92	0.00	12.27-12.87
46	m	TOLUENE	0.559	0.590	-5.5	94	0.00	13.23-13.83
47	m	trans-1,3-DICHLOROPROP	0.520	0.554	-6.5	92	0.00	12.76-13.36
48	m	1,1,2-TRICHLOROETHANE	0.288	0.311	-8.0	96	0.00	12.95-13.55
49	I	CHLOROBENZENE-D5	1.000	1.000	0.0	88	0.00	15.01-15.61
50	m	2-HEXANONE	0.592	0.571	3.5	87	0.00	13.44-14.04
51	m	TETRACHLOROETHYLENE	0.548	0.551	-0.5	96	0.00	14.36-14.96
52	m	DIBROMOCHLOROMETHANE	0.841	1.030	-22.5	101	0.00	13.66-14.26
53	m	1,2-DIBROMOETHANE	0.622	0.654	-5.1	93	0.00	13.91-14.51
54	m	CHLOROBENZENE	0.855	0.851	0.5	90	0.00	15.06-15.66
55	m	ETHYLBENZENE	1.411	1.607	-13.9	99	0.00	15.42-16.02
56	m	m,p-XYLENE	0.514	0.568	-10.5	97	0.00	15.62-16.22
57	m	o-XYLENE	0.520	0.618	-18.8	102	0.00	16.12-16.72
58	m	STYRENE	0.759	0.782	-3.0	86	0.00	16.00-16.60
59	m	NONANE	0.823	0.963	-17.0	96	0.00	16.30-16.90
			True	Calc.	% Drift			
60	m	BROMOFORM	10.000	10.697	-7.0	104	0.00	15.73-16.33
			AvgRF	CCRF	% Dev			
61	S	4-BROMOFLUOROBENZENE	0.862	1.006	-16.7	95	0.00	16.61-17.21
62	m	1,1,2,2-TETRACHLOROETH	0.768	0.933	-21.5	108	0.00	16.10-16.70
			True	Calc.	% Drift			
63	m	ISOPROPYLBENZENE	10.000	11.332	-13.3	113	0.00	16.74-17.34
			AvgRF	CCRF	% Dev			
64	m	2-CHLOROTOLUENE	1.276	1.596	-25.1	105	0.00	17.27-17.87
			True	Calc.	% Drift			
65	m	4-ETHYLTOLUENE	10.000	10.486	-4.9	106	0.00	17.45-18.05
66	m	1,3,5-TRIMETHYLBENZENE	10.000	11.198	-12.0	114	0.00	17.53-18.13
67	m	1,2,4-TRIMETHYLBENZENE	10.000	11.550	-15.5	117	0.00	17.98-18.58
			AvgRF	CCRF	% Dev			
68	m	m-DICHLOROBENZENE	0.836	0.886	-6.0	89	0.00	18.16-18.76
			True	Calc.	% Drift			
69	m	BENZYL CHLORIDE	10.000	8.143	18.6	81	0.00	18.14-18.74
			AvgRF	CCRF	% Dev			
70	m	p-DICHLOROBENZENE	0.797	0.750	5.9	81	0.00	18.23-18.83
71	m	o-DICHLOROBENZENE	0.739	0.864	-16.9	96	0.00	18.61-19.21
72	m	HEXACHLOROBUTADIENE	0.466	0.703	-50.9#	131	0.00	20.96-21.56
73	m	1,2,4-TRICHLOROBENZENE	0.252	0.187	25.8	73	0.00	20.47-21.07
74	m	NAPHTHALENE		----------NA----------				
75		2-METHYLNAPHTHALENE		----------NA----------				
76		1-METHYLNAPHTHALENE		----------NA----------				

(#) = Out of Range SPCC's out = 0 CCC's out = 0
Q11411.D Q061909T.m Tue Jun 23 09:24:37 2009 RPT1

5.9.11

5

APPENDIX C

Operation and Maintenance Log Sheet

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

Date: 3/26/09 Name of Inspector: Kate Kelly

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

- [x] Knock Out Alarm On Outer Warehouse Yes ☐ No ☐
- [x] Knock Out Alarm On 19th Avenue Yes ☐ No ☐

Knockout Volume (gallons): No. 1___ No. 2___ No.3___ No. 4___

- [x] Blower Overheat (Motor Thermal Prot.) - Outer Warehouse ☐ 19th Avenue Expansion ☐
- [x] Blower Vacuum Loss (Sensors to Control Panel) - Outer Warehouse ☐ 19th Avenue Expansion ☐
- [x] Air Compressor Alarm On

Corrective Actions/Notes:

Inner warehouse blower making grinding noise - internal "brush" problem to be fixed on 3/31 by Craig. Outer warehouse blower not pressurizing - outlet not working.

Outer Warehouse System	Reading	VOCs
Manifold Vacuum:		
Press. at Blower:		
Press. at Between Carbon Vessels:		
Discharge:		
Notes:		

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

Operation and Maintenance Log Sheet

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

Date: 4/9/09 Name of Inspector: Dan Ambrizo

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 No

- Outer Warehouse: No. 1 ☐ No. 2 ☐ OK
- 19th Avenue Expansion: No. 1 ☐ No. 2 ☐ OK

Blower Operational - Outer Warehouse (Yes) No 19th Avenue Expansion (Yes) No

If off, reason- Vacuum Loss Blower Overheat (Motor Thermal Prot.)

Yes (No) **Air Compressor Alarm On**, if off note reason below and corrective measures, if any.

Corrective Actions/Notes: Blower for Outer Warehouse replaced with new unit. Operating normally.

Outer Warehouse System	Reading	VOCs
Manifold Vacuum:		
Press. at Blower:		
Press. at Between Carbon Vessels:		
Discharge:		

Notes:

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

Notes:

MANIFOLD STATUS-Outer Warehouse SVE System

	PPM	% Open		PPM	% Open
SVE-1			HSVE-1		
SVE-2			HSVE-2		
SVE-3			HSVE-3		
SVE-4			HSVE-4		
SVE-5			HSVE-5		
SVE-6			HSVE-6		
SVE-7			HSVE-7		
SVE-8					

Notes:

Operation and Maintenance Log Sheet

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

Date: 4/17/09 Name of Inspector: William Montes

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

- [OK] Knock Out Alarm On Outer Warehouse Yes ☐ No ☐
- [OK] Knock Out Alarm On 19th Avenue Yes ☐ No ☐

Knockout Volume (gallons): No. 1 12 No. 2 6 No. 3 10 No. 4 5

- [OK] Blower Overheat (Motor Thermal Prot.) - Outer Warehouse ☐ 19th Avenue Expansion ☐
- [OK] Blower Vacuum Loss (Sensors to Control Panel) - Outer Warehouse ☐ 19th Avenue Expansion ☐
- [OK] Air Compressor Alarm On

Corrective Actions/Notes:

System O.K

Outer Warehouse System	Reading	VOCs
Manifold Vacuum:	8.6	3.0
Press. at Blower:	5.0	7.4
Press. at Between Carbon Vessels:	—	0.2
Discharge:	—	4.0

Notes:

19th Ave. Expansion System	Reading	VOCs
Manifold Vacuum:	9.0	6.0
Press. at Blower:	8.2	6.0
Press. at Between Carbon Vessels:	—	1.0
Discharge:	—	0.4

Notes:

MANIFOLD -19th Avenue Expansion

	PPM	% Open		PPM	% Open
SVE-1	0.0	90	HSVE-1	5.0	90
SVE-2	0.0	100	HSVE-2	2.5	90
SVE-3	0.0	40	HSVE-3	3.0	40
SVE-4	0.0	50	HSVE-4	1.5	20
SVE-5	0.0	50	HSVE-5	9.2	20
SVE-6	0.0	60	HSVE-6	0	20
SVE-7	0.0	60	HSVE-7	0	60
SVE-8	0.0	50			

Notes:

MANIFOLD STATUS-Outer Warehouse SVE System

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

Notes:

Vacuum-Outer Warehouse

	In. Water
SGP-8	0.04
SGP-9	0.02
SGP-10	0.01
SGP-11	0.01
SGP-12	0.00
SGP-13	0.00
MW-29	
MW-33	
MW-34	
MW-35	
MW-36	
MW-32	

Vacuum - 19th Avenue Expansion

	In. Water
SGP-2	0.02
SGP-3	0.00
SGP-4	0.00
SGP-5	0.01
SGP-6	0.02
SGP-7	0.00
SGP-14	0.02
SGP-15	0.00
SGP-16	0.00
SGP-17	0.01
SGP-18	0.00
SGP-19	0.00

Notes: Ports in driveway vacuumed (2 gallons added to knockout drum #1)

AIR SPARGE MANIFOLD STATUS-Outer Warehouse SVE System

	Press.	Flow	%Open
AS-1	4.0		
AS-2	0.0		
AS-3	0.2		
AS-4	7.0		
AS-5	8.0		
AS-6	8.0		

SYSTEM CLEAN AND SECURE:

Notes:

Operation and Maintenance Log Sheet

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

Date: 5/6/09 Name of Inspector:

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

- [x] Knock Out Alarm On Outer Warehouse Yes ☐ No ☐
- [x] Knock Out Alarm On 19th Avenue Yes ☐ No ☐

Knockout Volume (gallons): No. 1 20 No. 2 10 No. 3 15 No. 4 5

- [x] Blower Overheat (Motor Thermal Prot.) - Outer Warehouse ☐ 19th Avenue Expansion ☐
- [x] Blower Vacuum Loss (Sensors to Control Panel) - Outer Warehouse ☐ 19th Avenue Expansion ☐
- [x] Air Compressor Alarm On

Corrective Actions/Notes:

panel ok.

Outer Warehouse System	Reading	VOCs
Manifold Vacuum:	9.2	3.6
Press. at Blower:	8.4	7.6
Press. at Between Carbon Vessels:	—	0.5
Discharge:	—	0.1

Notes:

19th Ave. Expansion System	Reading	VOCs
Manifold Vacuum:	8.1	7.1
Press. at Blower:	8.4	5.8
Press. at Between Carbon Vessels:	—	1.0
Discharge:	—	0.3

Notes:

MANIFOLD -19th Avenue Expansion

	PPM	% Open		PPM	% Open
SVE-1	0	90	HSVE-1	0	90
SVE-2	0	100	HSVE-2	0	90
SVE-3	0	90	HSVE-3	0	80
SVE-4	0	50	HSVE-4	0	20
SVE-5	0	50	HSVE-5	0	20
SVE-6	0	100	HSVE-6	0	20
SVE-7	0	60	HSVE-7	0	60
SVE-8	0	50			

Notes:

MANIFOLD STATUS-Outer Warehouse SVE System

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

Notes:

Vacuum-Outer Warehouse

	In. Water
SGP-8	0.01
SGP-9	0.00
SGP-10	0.00
SGP-11	0.02
SGP-12	0.01
SGP-13	0.00
MW-29	—
MW-33	—
MW-34	—
MW-35	—
MW-36	—
MW-32	—

Vacuum - 19th Avenue Expansion

	In. Water
SGP-2	0.02
SGP-3	0.00
SGP-4	0.00
SGP-5	0.01
SGP-6	0.00
SGP-7	0.01
SGP-14	0.01
SGP-15	0.00
SGP-16	0.02
SGP-17	0.00
SGP-18	0.01
SGP-19	0.00

Notes:

AIR SPARGE MANIFOLD STATUS-Outer Warehouse SVE System

	Press.	Flow	%Open
AS-1	4	<2	50
AS-2	0	<2	30
AS-3	0.5	<2	100
AS-4	7	7	70
AS-5	7	7	50
AS-6	7	<2	100

SYSTEM CLEAN AND SECURE:

Notes: AS 5 flow very pumpy

Operation and Maintenance Log Sheet

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

Date: 5/20/09 Name of Inspector: Kate Hall

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

OK Knock Out Alarm On Outer Warehouse Yes ☐ No ☐

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

Knockout Volume (gallons): No. 1 25 No. 2 5 No. 3 10 No. 4 5

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

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

OK Air Compressor Alarm On

Corrective Actions/Notes:

Parts D Street vacuumed out & added to KO #1
AS filter cleaned out but motor not functioning, AS manually kept off.

Outer Warehouse System	Reading	VOCs
Manifold Vacuum:	8.7	3.0
Press. at Blower:	8.0	8.1
Press. at Between Carbon Vessels:	—	0.5
Discharge:	—	0.2

Notes:

19th Ave. Expansion System	Reading	VOCs
Manifold Vacuum:	9.1	6.7
Press. at Blower:	8.0	6.1
Press. at Between Carbon Vessels:	=	0.6
Discharge:		0.3

Notes:

MANIFOLD -19th Avenue Expansion

	PPM	% Open		PPM	% Open
SVE-1	0.0	90	HSVE-1	0.0	90
SVE-2	0.0	100	HSVE-2	0.0	90
SVE-3	0.0	90	HSVE-3	0.0	80
SVE-4	0.0	50	HSVE-4	0.0	20
SVE-5	0.0	50	HSVE-5	0.0	10
SVE-6	0.0	60	HSVE-6	0.0	20
SVE-7	0.0	60	HSVE-7	0.0	60
SVE-8	0.0	50			

Notes:

MANIFOLD STATUS-Outer Warehouse SVE System

	PPM	% Open		PPM	% Open
SW Deep	0.0	50	So. Shall. E+W	60	50
SE Deep	0.0	50	MW-31/Hor. Shall.	0.0	50
NW Deep	0.0	50	MW-12S	0.0	50
NE Deep	0.0	50	MW-31	~~0.0~~	—
MW-31/Hor. Deep	0.0	50	No. Shall. E+W	0.0	50

Notes:

Vacuum-Outer Warehouse

	In. Water
SGP-8	0.00
SGP-9	0.02
SGP-10	0.00
SGP-11	0.00
SGP-12	0.01
SGP-13	0.00
MW-29	—
MW-33	—
MW-34	—
MW-35	—
MW-36	—
MW-32	—

Vacuum - 19th Avenue Expansion

	In. Water
SGP-2	0.01
SGP-3	0.01
SGP-4	0.00
SGP-5	0.00
SGP-6	0.00
SGP-7	0.00
SGP-14	0.02
SGP-15	0.01
SGP-16	0.00
SGP-17	0.01
SGP-18	0.00
SGP-19	0.00

Notes:

AIR SPARGE MANIFOLD STATUS-Outer Warehouse SVE System

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

SYSTEM CLEAN AND SECURE:

Notes: Not currently operating

Operation and Maintenance Log Sheet

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

Date: 5/19/09 Name of Inspector:

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 ☐

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

Knockout Volume (gallons): No. 1___ No. 2___ No.3___ No. 4___

☐ 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:

Control panel had no alarms but AS system shut off. Both blowers still functional.

Outer Warehouse System	Reading	VOCs
Manifold Vacuum:		
Press. at Blower:		
Press. at Between Carbon Vessels:		
Discharge:		

Notes:

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

Notes:

Operation and Maintenance Log Sheet

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

Date: 6/5/09 Name of Inspector: Craig Sasse

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 ☒

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

Blower Operational - Outer Warehouse (Yes) No 19th Avenue Expansion (Yes) No

If off, reason- Vacuum Loss Blower Overheat (Motor Thermal Prot.)

Yes (No) **Air Compressor Alarm On**, if off note reason below and corrective measures, if any.

Corrective Actions/Notes: Service 1 compressor. Remove from system. Service, rotary vanes need replacement. Also replace inlet and dust filters

Service Compressor Only

Outer Warehouse System	Reading	VOCs
Manifold Vacuum:		
Press. at Blower:		
Press. at Between Carbon Vessels:		
Discharge:		

Notes:

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

Notes:

MANIFOLD STATUS-Outer Warehouse SVE System

	PPM	% Open		PPM	% Open
SVE-1			HSVE-1		
SVE-2			HSVE-2		
SVE-3			HSVE-3		
SVE-4			HSVE-4		
SVE-5			HSVE-5		
SVE-6			HSVE-6		
SVE-7			HSVE-7		
SVE-8					

Notes:

Operation and Maintenance Log Sheet

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

Date: 6/12/09 Name of Inspector: Kate Heller

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 ☐

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

Knockout Volume (gallons): No. 1___ No. 2___ No.3___ No. 4___

☐ 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:

As 3 c le showing water in the lines - Water purged as best as possible. As function did not appear compromised.

Outer Warehouse System	Reading	VOCs
Manifold Vacuum:		
Press. at Blower:		
Press. at Between Carbon Vessels:		
Discharge:		

Notes:

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

Notes:

Operation and Maintenance Log Sheet

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

Date: 1/17/09 Name of Inspector: Kate Keller

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

KK Knock Out Alarm On Outer Warehouse Yes ☐ No ☐

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

Knockout Volume (gallons): No. 1 15 No. 2 5 No. 3 10 No. 4 5

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

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

OK Air Compressor Alarm On

Corrective Actions/Notes:

As #3 still showing water in line.
As #10 showing black particles in line
Ports in driveway vacuumed out - water added to KO#1

Outer Warehouse System	Reading	VOCs
Manifold Vacuum:	8.5	2.8
Press. at Blower:	7.9	6.9
Press. at Between Carbon Vessels:	—	0.6
Discharge:	—	0.2

Notes:

19th Ave. Expansion System	Reading	VOCs
Manifold Vacuum:	9.6	7.0
Press. at Blower:	7.5	6.0
Press. at Between Carbon Vessels:	—	0.5
Discharge:	—	0.2

Notes:

MANIFOLD -19th Avenue Expansion

	PPM	% Open
SVE-1	0	90
SVE-2	0	100
SVE-3	0	40
SVE-4	0	50
SVE-5	0	20
SVE-6	0	60
SVE-7	0	60
SVE-8	0	50
Notes:		

	PPM	% Open
HSVE-1	0	90
HSVE-2	0	96
HSVE-3	0	80
HSVE-4	0	20
HSVE-5	0	20
HSVE-6	0	20
HSVE-7	0	60

MANIFOLD STATUS-Outer Warehouse SVE System

	PPM	% Open
SW Deep	0	50
SE Deep	0	50
NW Deep	0	50
NE Deep	0	50
MW-31/Hor. Deep	0	50
Notes:		

	PPM	% Open
So. Shall. E+W	0	50
MW-31/Hor. Shall.	0	50
MW-12S	0	50
MW-31	—	—
No. Shall. E+W	0	20

Vacuum-Outer Warehouse

	In. Water
SGP-8	0.02
SGP-9	0.00
SGP-10	0.00
SGP-11	0.03
SGP-12	0.00
SGP-13	0.00
MW-29	—
MW-33	—
MW-34	—
MW-35	—
MW-36	—
MW-32	—
Notes:	

Vacuum - 19th Avenue Expansion

	In. Water
SGP-2	0.01
SGP-3	0.00
SGP-4	0.00
SGP-5	0.05
SGP-6	0.00
SGP-7	0.00
SGP-14	0.01
SGP-15	0.02
SGP-16	0.00
SGP-17	0.00
SGP-18	0.00
SGP-19	0.00

AIR SPARGE MANIFOLD STATUS-Outer Warehouse SVE System

	Press.	Flow	%Open
AS-1	11	4.2	50
AS-2	4	3.5	30
AS-3	9	4.2	100
AS-4	7.5	8	50
AS-5	8	4.2 ~~7~~	50
AS-6	8.5	12	100

SYSTEM CLEAN AND SECURE:

Notes:

Operation and Maintenance Log Sheet

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

Date: 7/1/09 Name of Inspector: Kate Keller

1 psi = 27.7 inches

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

ALARM/MALFUNCTION CONDITIONS

- [X] Knock Out Alarm On Outer Warehouse Yes ☐ No ☐
- [X] Knock Out Alarm On 19th Avenue Yes ☐ No ☐

Knockout Volume (gallons): No. 1 15 No. 2 5 No. 3 10 No. 4 5

- [X] Blower Overheat (Motor Thermal Prot.) - Outer Warehouse ☐ 19th Avenue Expansion ☐
- [X] Blower Vacuum Loss (Sensors to Control Panel) - Outer Warehouse ☐ 19th Avenue Expansion ☐
- [X] Air Compressor Alarm On

Corrective Actions/Notes:

Outer Warehouse System	Reading	VOCs
Manifold Vacuum:	8.2	2.6
Press. at Blower:	7.8	10.0
Press. at Between Carbon Vessels:	—	0.4
Discharge:	—	0.2

Notes:

19th Ave. Expansion System	Reading	VOCs
Manifold Vacuum:	9.3	7.0
Press. at Blower:	6.9	10.1
Press. at Between Carbon Vessels:	—	0.4
Discharge:	—	0.2

Notes:

MANIFOLD -19th Avenue Expansion

	PPM	% Open
SVE-1	6	90
SVE-2	0	100
SVE-3	0	40
SVE-4	0	50
SVE-5	0	50
SVE-6	0	60
SVE-7	0	60
SVE-8	0	50

	PPM	% Open
HSVE-1	0	90
HSVE-2	0	90
HSVE-3	0	80
HSVE-4	0	20
HSVE-5	0	20
HSVE-6	0	20
HSVE-7	0	100

Notes:

MANIFOLD STATUS-Outer Warehouse SVE System

	PPM	% Open
SW Deep	0	50
SE Deep	0	50
NW Deep	0	50
NE Deep	0	50
MW-31/Hor. Deep	0	50

	PPM	% Open
So. Shall. E+W	0	50
MW-31/Hor. Shall.	0	50
MW-12S	0	50
MW-31	—	—
No. Shall. E+W	0	50

Notes:

Vacuum-Outer Warehouse

	In. Water
SGP-8	0.02
SGP-9	0.01
SGP-10	0.00
SGP-11	0.00
SGP-12	0.00
SGP-13	0.00
MW-29	—
MW-33	—
MW-34	—
MW-35	—
MW-36	—
MW-32	—

Vacuum - 19th Avenue Expansion

	In. Water
SGP-2	0.00
SGP-3	0.00
SGP-4	0.00
SGP-5	0.03
SGP-6	0.02
SGP-7	0.00
SGP-14	0.01
SGP-15	0.01
SGP-16	0.00
SGP-17	0.00
SGP-18	0.01
SGP-19	0.00

Notes:

AIR SPARGE MANIFOLD STATUS-Outer Warehouse SVE System

	Press.	Flow	%Open
AS-1	11	<2	50
AS-2	3	3.5	30
AS-3	9	<2	100
AS-4	8	8	30
AS-5	8.5	7.5	50
AS-6	8.5	<2	100

SYSTEM CLEAN AND SECURE:

Notes:

Operation and Maintenance Log Sheet

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

Date: 7/15/09 Name of Inspector: Kate Heller

1 psi = 27.7 inches

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

ALARM/MALFUNCTION CONDITIONS

Knock Out Alarm On Outer Warehouse Yes ☐ No ☐

Knock Out Alarm On 19th Avenue Yes ☐ No ☐

Knockout Volume (gallons): No. 1 15 No. 2 5 No.3 10 No. 4 5

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

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

Air Compressor Alarm On

Corrective Actions/Notes:

Outer Warehouse System	Reading	VOCs
Manifold Vacuum:	8.3	2.5
Press. at Blower:	7.6	6.0
Press. at Between Carbon Vessels:	—	0.4
Discharge:	—	0.2

Notes:

19th Ave. Expansion System	Reading	VOCs
Manifold Vacuum:	9.1	6.8
Press. at Blower:	6.9	5.9
Press. at Between Carbon Vessels:	—	0.3
Discharge:	—	0.1

Notes:

MANIFOLD -19th Avenue Expansion

	PPM	% Open
SVE-1	0	90
SVE-2	0	100
SVE-3	0	40
SVE-4	0	50
SVE-5	0	50
SVE-6	0	60
SVE-7	0	60
SVE-8	0	50

	PPM	% Open
HSVE-1	0	90
HSVE-2	0	90
HSVE-3	6	80
HSVE-4	0	20
HSVE-5	0	20
HSVE-6	0	20
HSVE-7	0	100

Notes:

MANIFOLD STATUS-Outer Warehouse SVE System

	PPM	% Open
SW Deep	0	50
SE Deep	0	50
NW Deep	0	50
NE Deep	0	50
MW-31/Hor. Deep	0	50

	PPM	% Open
So. Shall. E+W	0	50
MW-31/Hor. Shall.	0	50
MW-12S	0	50
MW-31	—	—
No. Shall. E+W	0	50

Notes:

Vacuum-Outer Warehouse

	In. Water
SGP-8	0.00
SGP-9	0.02
SGP-10	0.00
SGP-11	0.01
SGP-12	0.00
SGP-13	0.01
MW-29	—
MW-33	—
MW-34	—
MW-35	—
MW-36	—
MW-32	—

Vacuum - 19th Avenue Expansion

	In. Water
SGP-2	0.00
SGP-3	0.00
SGP-4	0.03
SGP-5	0.00
SGP-6	0.00
SGP-7	0.02
SGP-14	0.00
SGP-15	0.00
SGP-16	0.00
SGP-17	0.00
SGP-18	0.02
SGP-19	0.0

Notes:

AIR SPARGE MANIFOLD STATUS-Outer Warehouse SVE System

	Press.	Flow	%Open
AS-1	11	<2	50
AS-2	3.5	4	30
AS-3	9	<2	100
AS-4	8.5	7	50
AS-5	8	7.5	50
AS-6	7.5	<2	100

SYSTEM CLEAN AND SECURE:

Notes:

APPENDIX D

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

TRIF 271

xxxxx Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD077442263
2. Page 1 of: 3
3. Emergency Response Phone: 1-800-926-9282
4. Manifest Tracking Number: 004717282 JJK

GENERATOR

5. Generator's Name and Mailing Address
Triumvirate Environmental Outbound
42-14 19th Ave.
Astoria, NY 11105
Generator's Phone: (718)274-3335

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. Hazardous waste, solid, n.o.s. 9, NA3077, III Silica gel, Chloroform	001	CF	00350	P	D004	D005	D006
X	2. Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Thin Prep Vials)	001	DF	00065	P	D007	D008	B
X	3. Waste Flammable liquids, toxic, n.o.s. 3(6.1), UN1992, II (Ethyl Acetate, Methanol)	001	DM	00138	P	D001	F003	
X	4. Toxic solids, organic, n.o.s. 6.1, UN2811, II (Sodium fluoride, Ethidium Bromide)	001	DF	00126	P	D001	F003	F005
								B
								B
								B

14. Special Handling Instructions and Additional Information
1- (1 x Cubic Yard Box) 64231 2- (1 x 30) 66609 3- (1 x 30) 64343 4- (1 x 55) 64341

TEI Job #: 710

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: Christopher Canale
Signature: [signature]
Month: 01 Day: 07 Year: 09

TRANSPORTER INT'L

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 NAGI
Signature: [signature]
Month: 01 Day: 07 Year: 09
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:
Facility's Phone:
U.S. EPA ID Number
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 Wusker
Signature: [signature]
Month: 01 Day: 12 Year: 09

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: N Y D 0 7 7 4 4 4 2 6 3

22. Page: 2

23. Manifest Tracking Number: 004717282 JJK

24. Generator's Name: Triumvirate Environmental Outbound
42-14 19th Ave.
Astoria, NY 11105

U.S. EPA ID Number

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 Waste Flammable liquids, toxic, n.o.s. 3(6.1), UN1992, II (Ethyl Acetate, Methanol)	001	DM	00184	P	D001	D035	U031
						U159	U239	B
X	6 Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Thin Prep Vials)	001	DM	00263	P	D001		
								B
X	7 Hazardous waste, liquid, n.o.s. 9, NA3082, III (Tetrachloroethylene, Trichloroethylene)	001	DM	00300	P	D039	D040	F002
						F003		B
X	8 Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Thin Prep Vials)	001	DF	00045	P	D001	F003	
								B
X	9 Waste Flammable liquids, n.o.s. 3, UN1993, II Acetone, Toluene	001	DM	00430	P	D001		
								B
X	10 Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Thin Prep Vials)	002	DF	00280	P	D001	F003	
								B
X	11 Waste Aerosols, 2.1, UN1950 (Petroleum Distillates) (RQ: D001) DOT SP 11596	002	DM	00147	P	D001		
								B
	12 Non-regulated material	008	DM	01299	P			
						D001	F003	
X	13 Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Thin Prep Vials)	003	DM	00333	P			B
						D001	F003	
X	14 Waste Flammable liquids, toxic, n.o.s. 3(6.1), UN1992, II (Ethyl Acetate, Methanol)	001	DM	00422	P			B

32. Special Handling Instructions and Additional Information

5 - (1 x 55) 64343 7 - (1 x 55) 67034 8 - (1 x 18) 66809 9 - (1 x 55) 64232 10 - (2 x 55) 66809 11 - (2 x 55) 66809
12 - (8 x 55) 64342 13 - (3 x 55) 66809 14 - (1 x 55) 64243 64232

TRANSPORTER

33. Transporter 3 Acknowledgment of Receipt of Materials — Signature — Month Day Year

Printed/Typed Name

34. Transporter 4 Acknowledgment of Receipt of Materials — Signature — Month Day Year

Printed/Typed Name

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

DESIGNATED FACILITY TO GENERATO

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: NYD077444263

22. Page: 3

23. Manifest Tracking Number: 004717282 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		
	15 Non-regulated material	002	DF	00042	P			B
	16 Non-regulated material	033	DF	04309	P			B
	17 Non-regulated material	002	CF	00700	P			B
	18 Non-regulated material	001	DF	00044	P			B

32. Special Handling Instructions and Additional Information

15 - (2 x 16) 84227 16 - (33 x 55) 84342 17 - (2 x Cubic Yard Box) 84227 18 - (1 x 30) 84342 19 - 20 - 21 - 22 - 23 - 24 -

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 | H070 | H040

DESIGNATED FACILITY TO GENERATOR

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xxxxx
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	1	1-800-968-9282	004723827 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
U.S. EPA ID Number NYD982792814

6. Transporter 1 Company Name
~~Ross Transportation Services~~ FRANKS VACUUM TRUCK Service, Inc.
U.S. EPA ID Number OHD980614374 (2)

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 Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Thin Prep Vials)	001	DM	00290	P	D001		B
X	2. Toxic solids, organic, n.o.s. 6.1, UN2811, II (Sodium fluoride, Ethidium Bromide)	001	DF	00065	P			B
X	3. Waste Flammable liquids, toxic, n.o.s. 3(6.1), UN1992, II (Ethyl Acetate, Methanol)	001	DM	00056	P	D001		B
X	4. Hazardous waste, solid, n.o.s. 9, NA3077, III Silica gel, Chloroform	001	DF	00039	P	D022	F002	B

14. Special Handling Instructions and Additional Information
1- (1 x 55) 68808 2- (1 x 30) 64341 3- (1 x 30) 64343 4- (1 x 5) 64231 TEL # 134
TEI Job #: 700

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: Christopher Canale
Signature
Month 03 Day 18 Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Date leaving U.S.:

TRANSPORTER

Transporter signature (for exports only):
17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: COREY GRELLO
Signature
Month 3 Day 18 Year 09
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: U.S. EPA ID Number

18b. Alternate Facility (or Generator) Month Day Year
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)

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: LIZ LOCZI
Signature
Month 03 Day 20 Year 09

DESIGNATED FACILITY TO GENERATOR

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UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: NYD077444263

22. Page: 2

23. Manifest Tracking Number: 004723827 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 Toxic solids, organic, n.o.s. 6.1, UN2811, II (Sodium fluoride, Ethidium Bromide)	001	DF	00084	P			B
X	6 Waste Corrosive liquid, basic, organic, n.o.s. 8, UN3267, II ethanolamine, sodium hydroxide	001	DF	00107	P	D002		B
X	7 Waste Corrosive liquid, acidic, organic, n.o.s. 8, UN3265, II Formic Acid, Acetic Acid	001	DF	00151	P	D002		T
X	8 Hazardous waste, solid, n.o.s. 9, NA3077, III Silica gel, Chloroform	001	DM	00125	P	F003		B
X	9 Waste Solids containing flammable liquid, n.o.s. 4.1, UN3175, II (Acetone, Calcium Sulfate)	001	DM	00144	P	D001	F003	F005
X	10 Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Thin Prep Vials)	001	DF	00030	P	D001	F003	B
X	11 Waste Flammable liquids, toxic, n.o.s. 3(6.1), UN1992, II (Ethyl Acetate, Methanol)	001	DM	00189	P	D001	F003	B
X	12 Waste Flammable liquids, n.o.s. 3, UN1993, II Ethanol, Acetone	001	DM	00450	P	D001	F003	B
X	13 Waste Flammable liquids, n.o.s. 3, UN1993, II Ethanol, Acetone	003	DF	00723	P	D001	F003	B
X	14 Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Thin Prep Vials)	003	DM	00381	P	D001	F003	B

32. Special Handling Instructions and Additional Information
5 - (1 x 55) 64341 6 - (1 x 55) 64348 7 - (1 x 55) 64346 8 - (1 x 55) 64231 9 - (1 x 55) 20143 10 - (1 x 16) 66609 11 - (1 x 55) 64343
12 - (1 x 55) 64236 13 - (3 x 30) 64236 14 - (3 x 55) 66609

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 | H040 | H040 | H040 | H040

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DESIGNATED FACILITY TO GENERATOR

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: NYD077444263

22. Page: 3

23. Manifest Tracking Number: 004723827 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		
	15 Waste Solids containing corrosive liquid, n.o.s. 8, UN3244, II	003	DF	00021	P	D002		
X	16 Waste Ethylenediamine 8(3), UN1604, II (RQ: D001,D002)	001	DM	00185	P	D001	D002	B
X	17 Waste Flammable liquids, n.o.s. 3, UN1993, II Ethanol, Acetone	003	DF	00778	P	D001	D004	D005
X	18 Hazardous waste, liquid, n.o.s. 9, NA3082, III (Tetrachloroethylene, Trichloroethylene)	002	DM	00540	P	D006	D007	B
X	19 Waste Flammable liquids, corrosive, n.o.s. 3(8), UN2924, II Pyridine, Formaldehyde	002	DF	00502	P	D039	D040	F002
X	20 Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Thin Prep Vials)	002	DF	00095	P	F003		B
X	21 Waste Solids containing flammable liquid, n.o.s. 4.1, UN3175, II (paraffin wax, xylene)	002	DF	00113	P	D001	D002	
	~~22 Non-regulated material Non PCB Ballasts~~ 4 Not SHIPPED 4	~~001~~	~~DF~~	~~00480~~	P	D001	F003	B
	23 Non-regulated material	012	DF	01386	P			
	24 Non-regulated material	001	DF	00007	P			B

32. Special Handling Instructions and Additional Information
15 - (3 x 5) 69993 16 - (1 x 55) 20116 17 - (3 x 30) 64236 18 - (2 x 55) 67034 19 - (2 x 30) 64239 20 - (2 x 30) 66608 21 - (2 x 16) 20043 ~~22 - (1 x 55) 69984~~ Not Shipped 23 - (12 x 55) 64342 24 - (1 x 5) 64342

TRANSPORTER

33. Transporter 3 Acknowledgment of Receipt of Materials — Signature — Printed/Typed Name — Month Day Year

34. Transporter 4 Acknowledgment of Receipt of Materials — Signature — Printed/Typed Name — 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

DESIGNATED FACILITY TO GENERATOR

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number	22. Page	23. Manifest Tracking Number
N Y D 0 7 7 4 4 4 2 6 3	4	004723827 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		
	25 Non-regulated material	001	DF	00263	P			B
	26 Non-regulated material	001	DF	00127	P			B

32. Special Handling Instructions and Additional Information
25 - (1 x 30) 64228 26 - (1 x 16) 64228 27 - 28 - 29 - 30 - 31 - 32 - 33 - 34 -

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

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

11/20 TRK 681 Seal # 0102556 XXXXX

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD077444263
2. Page 1 of: 3
3. Emergency Response Phone: 1-800-966-9282
4. Manifest Tracking Number: 004717227 JJK

GENERATOR

5. Generator's Name and Mailing Address
Triumvirate Environmental Outbound
42-14 19th Ave.
Astoria, NY 11105
Generator's Phone: (718)274-3335

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: OHD041641566 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. Waste Corrosive liquids, toxic, n.o.s. 8(6.1), UN2922, II (Acetic Acid, Silver Chloride)	004	DF	00982	P	D002		B
X	2. Waste Corrosive liquids, flammable, n.o.s. 8(3), UN2920, II (Formic Acid, Acetic Acid)	001	DM	00092	P	D001	D002	B
X	3. Toxic solids, organic, n.o.s. 6.1, UN2811, II (Sodium fluoride, Ethidium Bromide)	001	DF	00174	P			B
X	4. Waste Corrosive liquids, toxic, n.o.s. 8(6.1), UN2922, II (Acetic Acid, Silver Chloride)	001	DF	00440	P	D002		B

14. Special Handling Instructions and Additional Information
1 - (4 x 30) 64233 2- (1 x 30) 64348; 3 - (1 x 55) 64341 4- (1 x 55) 64233

TEI Job # 700

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 Jeiram
Signature:
Month Day Year: 11 19 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: JACOB MACKLIN
Signature:
Month Day Year: 11 19 08
Transporter 2 Printed/Typed Name: JACOB MACKLIN
Signature:
Month Day Year: 11 26 08

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity SEE PAGE 3 (25) ☐ 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. 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 Dunker
Signature:
Month Day Year: 12 01 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.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)	21. Generator ID Number	22. Page	23. Manifest Tracking Number
	NYD077444263	2	004717227 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

	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		
GENERATOR	X	5 Waste Flammable liquids, toxic, n.o.s. 3(6.1), UN1992, II (Ethyl Acetate, Methanol)	001	DM	00176	P	D001 U239	F003	U220 B
	X	6 Waste Flammable liquids, toxic, n.o.s. 3(6.1), UN1992, II (Ethyl Acetate, Methanol)	001	DM	00187	P	D001 U239	U031	U220 B
	X	7 Waste Flammable liquid, toxic, corrosive, n.o.s. 3(6.1)(8), UN3286, II Methanol, Chloroform	001	DM	00190	P	D001	D002	F003 B
	X	8 Waste Flammable liquid, toxic, corrosive, n.o.s. 3(6.1)(8), UN3286, II Methanol, Chloroform	001	DM	00198	P	D001	D002	F003 B
	X	9 Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Thin Prep Vials)	001	DM	00205	P	D001		B
	X	10 Hazardous waste, liquid, n.o.s. 9, NA3082, III (Tetrachloroethylene, Trichloroethylene)	001	DF	00261	P	F002		B
	X	11 Hazardous waste, solid, n.o.s. 9, NA3077, III Silica gel, Chloroform	009	DM	02700	P	D039	F002	F003 B
	X	12 Hazardous waste, liquid, n.o.s. 9, NA3082, III (Tetrachloroethylene, Trichloroethylene)	002	DM	00200	P	D039 F003	D040	F002 B
	X	13 Waste Flammable liquids, n.o.s. 3, UN1993, II Ethanol, Acetone	002	DM	00930	P	D001	F003	B
	X	14 Waste Aerosols, 2.1, UN1950 (Petroleum Distillates) (RQ: D001) DOT SP11396	004	DM	00335	P	D001		B

32. Special Handling Instructions and Additional Information
5-(1x55)64343 6-(1x55)64343 7-(1x55)64347 8-(1x55)64347 9-(1x55)66609 10-(1x30)67034 11-(9x55)64231
12-(2x55)67034 13-(2x55)64236 14-(4x55)66389

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	H040	H040	H040	H040

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	3	004717227 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	15 Waste Flammable liquids, n.o.s. 3, UN1993, II Ethanol, Acetone	005	DF	01105	P	D001	F003	B
X	16 Waste Corrosive liquids, toxic, n.o.s. 8(6.1), UN2922, II (Acetic Acid, Silver Chloride)	007	DM	03388	P	D002		B
X	17 Waste Corrosive liquid, basic, organic, n.o.s. 8, UN3267, II (Potassium Hydroxide, Hydroquinone)	001	DM	00412	P	D002		B
	18 Non-regulated material	008	DF	01500	P			B
	19 Non-regulated material	004 ~~003~~ JS	DM	00449	P			B
	20 Non-regulated material (Ethidium Bromide)	001	DM	00089	P			B

32. Special Handling Instructions and Additional Information
15-(5x30)64239 16-(7x55)64233 17-(1x55)64234 18-(8x55)64342 19-(3~~x~~ 4 JS x55)64342 20-(1x30)07625 21- 22-
23- 24-

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 LINE 19 UPDATED TO REFLECT AIS RECEIPTS J. SPARROW

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.)

TRLF#281

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	3	1-800-966-9282	004717238 JJK

GENERATOR

5. Generator's Name and Mailing Address
Triumvirate Environmental Outbound
42-14 19th Ave.
Astoria, NY 11105
Generator's Phone: (718)274-3335

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 Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Thin Prep Vials)	002	DF	00067	P	D001	F003	B
X	2. Hazardous waste, liquid, n.o.s. 9, NA3082, III (Tetrachloroethylene, Trichloroethylene)	003	DM	01200	P	F002	F003	B
X	3. Waste Corrosive liquid, basic, organic, n.o.s. 8, UN3267, II ethanolamine, sodium hydroxide	001	DF	00143	P	D002		B
X	4. Waste Aerosols, 2.1, UN1950 (Petroleum Distillates) (RQ: D001) DOT SP11396	005	DM	00674	P	D001		B

14. Special Handling Instructions and Additional Information
1- (2 x 16) 66609 2- (3 x 55) 67034 3- (1 x 55) 64348 4- (5 x 55) 66889

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.
TEI Job #: 703

Generator's/Offeror's Printed/Typed Name: Dilip Jairam
Signature:
Month Day Year: 12 03 08

TRANSPORTER

16. International Shipments
☐ Import to U.S. ☐ Export from U.S.
Transporter signature (for exports only):
Port of entry/exit:
Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: David J Telena
Signature: David J Telena
Month Day Year: 12 03 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
Month Day Year

18b. Alternate Facility (or Generator)
Manifest Reference Number:
Facility's Phone:
U.S. EPA ID Number

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 Dunker
Signature:
Month Day Year: 12 04 08

DESIGNATED FACILITY TO GENERATOR

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

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: N Y D 0 7 7 4 4 2 6 3

22. Page: 2

23. Manifest Tracking Number: 004717238 JJK

24. Generator's Name: Triumvirate Environmental Outbound
42-14 19th Ave.
Astoria, NY 11105

U.S. EPA ID Number

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 Waste Hypochlorite solutions 8, UN1791, II Sodium Hypochlorite	001	DF	00200	P	D002		B
	X	6 Waste Flammable liquids, n.o.s. 3, UN1993, II (Methanol, Thin Prep Vials)	002	DM	00364	P	D001	F003	B
	X	7 Hazardous waste, liquid, n.o.s. 9, NA3082, III (Tetrachloroethylene, Trichloroethylene)	001	DM	00015	P	D039	D040	F002
	X	8 Waste Corrosive liquid, acidic, inorganic, n.o.s. 8, UN3264, II (Hydrochloric Acid, Sulfuric Acid)	001	DM	00200	P	F003		B
	X	9 Waste Corrosive liquid, basic, organic, n.o.s. 8, UN3267, II ethanolamine, sodium hydroxide	001	DM	00200	P	D002		B
	X	10 Waste Corrosive liquid, acidic, inorganic, n.o.s. 8, UN3264, II (Hydrochloric Acid, Sulfuric Acid)	001	DM	00078	P	D002	D011	B
	X	11 Toxic solids, organic, n.o.s. 6.1, UN2811, II (Sodium fluoride, Ethidium Bromide)	001	DM	00222	P	D001	D002	B
	X	12 Waste Corrosive liquids, flammable, n.o.s. 8(3), UN2920, II (Formic Acid, Acetic Acid)	001	DM	00219	P	D002		B
		13 Non-regulated material	008	DF	01172	P			B
		14 Non-regulated material	002	DF	00078	P			B

32. Special Handling Instructions and Additional Information
5-(1 x 55) 69497 6-(2 x 55) 66809 7-(1 x 55) 67034 8-(1 x 55) 66880 9-(1 x 55) 64346 10-(1 x 30) 66880 11-(1 x 55) 64341
12-(1 x 55) 64340 13-(8 x 55) 64342 14-(2 x 5) 64228

TRANSPORTER		Month	Day	Year
33. Transporter 3 Acknowledgment of Receipt of Materials	Signature			
Printed/Typed Name				
34. Transporter 4 Acknowledgment of Receipt of Materials	Signature			
Printed/Typed Name				

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

DESIGNATED FACILITY TO GENERATOR

EPA Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

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: NYD077444263

22. Page: 3

23. Manifest Tracking Number: 004717238 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		
	15 Non-regulated material	005	DM	00916	P			B
	16 Non-regulated material	003	DM	00335	P			B
	17 Non-regulated material	001	CW	00250	P			B

32. Special Handling Instructions and Additional Information
15 - (5 x 55) 64342 16 - (3 x 30) 64342 17 - (1 x pallet) 84227 18 - 19 - 20 - 21 - 22 - 23 - 24 -

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

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-p[illegible]pewriter.)

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	1	1-800-988-9282	003748207 JJK

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
U.S. EPA ID Number: OHD980614374

6. Transporter 1 Company Name
Ross Transportation Services
U.S. EPA ID Number

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		
GENERATOR	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- (8 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 08

TRANSPORTER INTERNATIONAL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.

Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Dan Potts
Signature
Month 09 Day 10 Year 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: U.S. EPA ID Number:

18b. Alternate Facility (or Generator)
Facility's Phone:
Month Day Year

18c. Signature of Alternate Facility (or Generator)

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 08

DESIGNATED FACILITY TO GENERATO

EPA Form 8700-22 (Rev. 3-05). Previous editions are obsolete.

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039 XXXXX

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: NYD077444263

22. Page: 2

23. Manifest Tracking Number: 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		
5	X	Waste Aerosols, 2.1, UN1950 (Petroleum Distillates) (RQ: D001) DOT SP 11396	001	DM	00170	P	D001		B
6	X	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 - (1 x 55) 66609 6 - (1 x 30) 66609 7 - (14 x 5) 64228 8 - (10 x 55) 64342 9 - (2 x 30) 64227 10 - (3 x 55) 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
-
Signature | Month | Day | Year

36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
H040 | H040 | H040 | H040 | H040 | H040

Form 8700-22A (Rev. 3-05). Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

TR#780

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

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
NYD077441263	1	1-800-[illegible]	003748740 JJK

5. Generator's Name and Mailing Address
Triumvirate Environmental Outbound
42-14 19th Ave.
Astoria, NY 11105
Generator's Phone: (718)274-3335

Generator's Site Address (if different than mailing address)
42-14 19th Avenue
Astoria, New York 11105
U.S. EPA ID Number

6. Transporter 1 Company Name: Ross Transportation Services — U.S. EPA ID Number: OHD988061437 4

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. 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	D008	B
X	4. Waste Corrosive liquids, flammable, n.o.s. 8(3), UN2920, II (Formic Acid, Acetic Acid)	001	DM	00123	P	D001 D002	U123	B

14. Special Handling Instructions and Additional Information
1- (4 x 55) 67034 2- (2 x 16) 68609 3- (1 x 55) 67059 4- (1 x 55) 64348;

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

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:

Transporter signature (for exports only): — Month/Day/Year:

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:

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection — Manifest Reference Number: — U.S. EPA ID Number

18b. Alternate Facility (or Generator) — Month/Day/Year:

Facility's Phone

18c. Signature of Alternate Facility (or Generator)

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: Bill Rogers — Signature — Month/Day/Year: 07 11 08

GENERATOR — TRANSPORTER INT'L — DESIGNATED FACILITY — DESIGNATED FACILITY TO GENERATO

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TRI # 180

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: NYD077442263

22. Page: 2

23. Manifest Tracking Number: 003748740 JJK

24. Generator's Name: Triumvirate Environmental Outbound
42-14 19th Ave.
Astoria, NY 11105

25. Transporter 3 Company Name

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
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		B
8	X	Waste Corrosive liquid, acidic, inorganic, n.o.s. 8, UN3264, II (Hydrochloric Acid, Sulfuric Acid)	001	DF	00216	P	D002		T
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~~ Do Not Ship	001	DM	00149	P			B
14									

32. Special Handling Instructions and Additional Information
5 - (1 x 55) 64343 6 - (1 x 55) 64348 7 - (1 x 55) 64346 8 - (1 x 55) 66880 9 - (1 x 30) 66809 10 - (1 x 55) 64227 11 - (1 x 55) 64342
12 - (1 x 55) 64342 ~~13 - (1 x 30) 64342~~ 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 H040 H040

DESIGNATED FACILITY TO GENERATOR

Form 8700-22A (Rev. 3-05) Previous editions are obsolete.

XXXXX

Form Approved. OMB No. 2050-0039

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UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYD077444263
2. Page 1 of: 2
3. Emergency Response Phone: 1-800-986-9282
4. Manifest Tracking Number: 001017971 JJK

GENERATOR

5. Generator's Name and Mailing Address
Triumvirate Environmental Outbound
42-14 19th Ave.
Astoria, NY 11105
Generator's Phone: (718)274-3339

Generator's Site Address (if different than mailing address)
42-14 19th Avenue
Astoria , New York 11105
U.S. EPA ID Number: OHD980614374

6. Transporter 1 Company Name: Ross Transportation Services
U.S. EPA ID Number:

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 Flammable liquids, toxic, n.o.s. 3(6.1), UN1992, II (Ethyl Acetate, Methanol)	001	DM	00125	P	D001	F003	B
X	2 Waste Flammable liquids, toxic, n.o.s. 3(6.1), UN1992, II (Ethyl Acetate, Methanol)	001	DF	00020	P	D001		B
X	3 Waste Paint related material 3, UN1263, II	001	DF	00202	P	D001		B
X	4 Waste Flammable liquids, toxic, n.o.s. 3(6.1), UN1992, II (Ethyl Acetate, Methanol)	001	DF	00071	P	D001	F003	B

14. Special Handling Instructions and Additional Information
1- (1 x 30) 64343 2- (1 x 5) 64343 3- (1 x 55) 64345 4- (1 x 55) 64343

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: 01 07 08

INT'L

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: MARK SCHMIDT
Signature:
Month Day Year: 01 07 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: U.S. EPA ID Number

18b. Alternate Facility (or Generator)
Month Day Year:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)

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: Frank Stainer
Signature:
Month Day Year: 01 09 08

DESIGNATED FACILITY TO GENERATOR

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)

21. Generator ID Number: NYD077444263

22. Page: 2

23. Manifest Tracking Number: 001017971 IJK

24. Generator's Name: Triumvirate Environmental Outbound
42-14 19th Ave.
Astoria, NY 11105

25. Transporter 3 Company Name

26. Transporter 4 Company Name

U.S. EPA ID Number

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 Flammable liquids, toxic, n.o.s. 3(6.1), UN1992, II (Ethyl Acetate, Methanol)	001	DM	00155	P	D001		B
X	6 Waste Flammable liquids, toxic, n.o.s. 3(6.1), UN1992, II (Ethyl Acetate, Methanol)	001	DM	00195	P	D001	F003	F005 B
X	7 Waste Flammable liquid, toxic, corrosive, n.o.s. 3(6.1)(8), UN3286, II Methanol, Chloroform	001	DM	00282	P	D001 F002	D002 F003	D022 B
X	8 Hazardous waste, liquid, n.o.s. 9, NA3082, III (Tetrachloroethylene, Trichloroethylene)	001	DM	00300	P	D039 F003	D040	F002 B
X	9 Waste Flammable liquids, toxic, n.o.s. 3(6.1), UN1992, II (Ethyl Acetate, Methanol)	002	DM	00428	P	D001	F003	B
	10 Non-regulated material	007	DM	01319	P			B
	11 Non-regulated material	001	DM	00063	P			B
	12 Non-regulated material	001	DF	00008	P			B
	13 Non-regulated material	001	DF	00092	P			B

32. Special Handling Instructions and Additional Information
5-(1x55)64343 6-(1x55)64343 7-(1x55)64347 8-(1x55)67034 9-(2x55)64343 10-(7x55)64342 11-(1x30)64342
12-(1x5)64342 13-(1x30)64342 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 | Month | Day | Year

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 | H040

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DESIGNATED FACILITY TO GENERATOR