ENSR | AECOM

The RETEC Group, Inc.
1001 West Seneca Street, Suite [illegible], Ithaca, New York [illegible]
T 607 277.5716 F [illegible] www.[illegible]

August 16, 2007

Mr. Joshua P. Cook
New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau C, 11th Floor
625 Broadway
Albany, NY 12233-7014

Subject: Report Addendum
Supplemental Investigation – 28 Pike Street Property
Port Jervis Pike Street Former MGP Site
Site ID No. 3-36-049

Dear Mr. Cook,

This document is an addendum to the report entitled "*Supplemental Investigation Report, Pike Street Former Manufactured Gas Plant Site, Port Jervis, New York, NYSDEC Site No. 03-36-049V, Index #D03-001-99-01*", dated January 24, 2007. This report was prepared by The RETEC Group, Inc. (RETEC) on behalf of Orange and Rockland Utilities, Inc. (O&R).

In response to comments received from the New York State Department of Environmental Conservation (NYSDEC) in a letter to O&R dated July 3, 2007, ENSR Corporation (dba The RETEC Group, Inc. [RETEC]) has prepared a set of revisions to the report. The pages containing these revisions are gathered together in this addendum, which should be considered as a companion to the original SI report, NYSDEC's comment letter dated July 3, 2007, and RETEC's response letter dated August 6, 2007.

In the comment letter, the NYSDEC indicated that the January 2007 SI Report should be updated to include a discussion of the construction of the temporary monitoring wells that were installed, including details such as the depths to bottom of the wells and the screened interval for each well. As was recently discussed with the Department, pages 2-3 to 2-5 of the report have been revised and are attached for replacement in the previously provided report. In addition, the SI borelogs have been revised to show the construction of the temporary well screens.

If you have any questions regarding the information included in this letter, please do not hesitate to contact me at (607) 277-5716.

Sincerely yours,

James H. Edwards
Senior Geologist

Bruce Coulombe, P.G.
Senior Hydrogeologist

JHE:mlr

Attachments: Report Replacement Pages 2-3 to 2-5
Revised Borelogs

cc: Ms. Maribeth McCormick – O&R
Mr. Mike Wilcken – ConEdison
Mr. Larry Eckhaus – NYSDEC
Ms. Kristin Kulow – NYSDOH
Mr. Joe Crua – NYSDOH
Ms. Kimberlea Shaw Rea, Esquire
Mr. Richard Codichini – Gino's Restaurant
Ms. Phyllis Vail – Port Jervis Public Library
Project File: 05090-012

Supplemental Investigation Report

Pike Street Former Manufactured Gas Plant Site

Port Jervis, New York

NYSDEC Site No. 03-36-049V
Index #D03-0001-99-01

Prepared by:

The RETEC Group, Inc.
1001 W. Seneca St., Suite 204
Ithaca, NY 14850-3342

RETEC Project Number: ORAN2-19643

Prepared for:

Orange and Rockland Utilities, Inc.
390 West Route 59
Spring Valley, New York 10977

January 24, 2007

Supplemental Investigation Report

Pike Street Former Manufactured Gas Plant Site
Port Jervis, New York
NYSDEC Site No. 03-36-049V
Index #D03-0001-99-01

Prepared by:

The RETEC Group, Inc.
1001 W. Seneca St., Suite 204
Ithaca, NY 14850-3342

RETEC Project Number: ORAN2-19643

Prepared for:

Orange and Rockland Utilities, Inc.
390 West Route 59
Spring Valley, New York 10977

Prepared by:

James H. Edwards, Geologist

Reviewed by:

Bruce D. Coulombe, P.G., Hydrogeologist

January 24, 2007

Table of Contents

List of Appendices

Table of Contents

List of Tables

List of Figures

1 Introduction

As required under Order on Consent Index No. D03-0001-99-01 (Consent Order) between the New York State Department of Environmental Conservation (NYSDEC) and Orange & Rockland Utilities, Inc. (O&R), this report presents the results of a Supplemental Investigation (SI) that was conducted during June and July 2006 for the 28 Pike Street section of the Former Pike Street Manufactured Gas Plant (MGP) site in Port Jervis, New York.

1.1 Background

The 28 Pike Street property comprises the northeast corner of the former grounds of the Pike Street MGP, which was operated by O&R's predecessor companies during the late 1800's and early 1900's. As required under the Consent Order, O&R performed a Remedial Investigation (RI) of the Former Pike Street MGP site and the surrounding residential and commercial properties between 2000 and 2005. The fieldwork for the RI included the collection of a surface soil sample and soil vapor intrusion (SVI) evaluation samples on the 28 Pike Street property. The results of the RI were presented in the document entitled "Phase II Remedial Investigation Report, Port Jervis MGP Site, Port Jervis, New York", dated October 25, 2005. The RI Report was approved by the NYSDEC on November 14, 2005. A Feasibility Study (FS) of potential remedial options for the cleanup of the Former Pike Street MGP site has also been prepared and is currently being reviewed by the NYSDEC.

The historical features of the 28 Pike Street property during the time of MGP operations are shown on Figure 1. A coal house was situated in the southwestern portion of the property, within the footprint of the mixed use commercial/residential building currently present on the property. A canal raceway was present along what is now the northwestern boundary of the property (Figure 1). The raceway was filled-in following the cessation of MGP operations, and an underground municipal storm sewer pipe on the adjacent O&R property section of the Former Pike Street MGP site now carries surface water flow from the northern portions of the City of Port Jervis through this area.

1.2 Current Conditions

The current features of the 28 Pike Street property are shown on Figure 1. Most of the property is occupied by a multi-story building that houses a restaurant and tavern on the ground level and apartment units on the floors above. The basement of the building is used to store supplies for the restaurant business in open storage areas in a walk-in cooler. As shown on Figure 1, an enclosed boiler room in the northern area of the basement houses a natural gas-fired furnace for the building. This area has a concrete floor;

however, with the exception of an area immediately to the west of the walk-in cooler, the remaining portions of the basement have an earthen floor.

1.3 SI Objectives

The owners of the 28 Pike Street property requested that a supplemental investigation be performed on their property to evaluate the presence or absence of MGP-related constituents of concern (COCs) before the NYSDEC considers and evaluates potential remedial alternatives for the Former Pike Street MGP site. Specific objectives for the SI sampling included the following:

- To evaluate surface soil quality in the 28 Pike Street property building's basement.

- To determine the presence or absence of impacted subsurface soil and groundwater in the southern area of the building's basement. Impacted soil and groundwater were identified to the southwest of this area at MW15S on the adjoining O&R property during the RI (Figure 1). Hydrocarbon-like odors and low-level concentrations of COCs were identified in soil at DP10.

- To determine the presence or absence of impacted subsurface soil and groundwater in building's basement near a former tar well on the O&R property (Tar Well S – Figure 1).

- To determine the presence or absence of impacted subsurface soil and groundwater at two locations between the property building and an area where an underground diesel storage tank (UST N – Figure 1) and impacted soil were removed from the O&R property in 1996.

- To perform a second round of SVI evaluation sampling to obtain additional information regarding whether impacted soil vapor could be migrating towards the property's building and potentially adversely affecting indoor air.

A Work Plan document entitled "Supplemental Investigation, 28 Pike Street, Port Jervis, New York" dated March 21, 2006 was prepared to present a scope-of-work for performing the additional investigation work. The SI Work Plan was approved by the NYSDEC on March 23, 2006. The scope-of-work for the field activities performed during the SI, and the results of the fieldwork and laboratory analyses are presented in the following sections.

2 SI Field Activities

The SI field activities included the following:

- Subsurface utility clearance;
- SVI evaluation sampling;
- Surface soil sampling;
- Subsurface soil borings and soil sampling; and
- Groundwater sampling.

The SI sampling locations are shown in red on Figure 1. The locations previously sampled during the RI are shown in blue on Figure 1. Unless otherwise indicated below, the methods and procedures used to perform the fieldwork and laboratory analyses were consistent with the methods specified in the NYSDEC-approved SI Work Plan.

Representatives of the NYSDEC, Remedial Bureau C, Division of Environmental Remediation of Albany, New York, were on site to observe the SVI evaluation sampling, the completion of the soil borings, and the collection of the groundwater samples.

2.1 Subsurface Utility Clearance

Dig Safely New York was contacted to coordinate and document the location of underground utilities at the property. A utility locating company (Enviroprobe Services, Inc.) was also used to locate utilities in the vicinity of planned soil borings both inside the basement of the building, and outside the building to the northwest. This task was accomplished with a ground penetrating radar (GPR) unit and a magnetometer. Enviroprobe also confirmed the location of the storm sewer pipe in the canal raceway on the O&R property. None of the SI boring locations identified in the SI Work Plan were modified to avoid subsurface utility lines as a result of this task.

2.2 SVI Evaluation Sampling

The SVI evaluation samples collected during the SI were taken at approximately the same locations as the samples collected during the RI in June 2004. The sampling is summarized as follows:

- A pre-screening reconnaissance was completed prior to the SVI sampling, and the observations were documented using the New York State Department of Health (NYSDOH) Indoor Air Quality Questionnaire and Chemical Inventory form prepared. The completed form is included in Appendix A.

- An indoor air sample (GRIA4) was collected in the basement of the building. At the request of the NYSDOH, this sample location

was moved to the west of RI sample location GRIA1, in order for the sample to be collected in the area of the basement that has an earthen floor.

- An indoor air sample (GRIA3) was collected on the first floor of the building in the restaurant at the same location as RI sample GRIA2.

- One duplicate indoor air sample (GRIA3-DUP) was collected at the same location as GRIA3 for quality assurance/quality control (QA/QC) purposes.

- An ambient air sample (GRAMBUP) was collected at the same time as the indoor air samples from the front porch of the building.

- A sub-slab soil vapor sample (GRSG3) was collected from the air space immediately beneath the concrete floor slab in the boiler room of the basement, at the same location of RI sample GRSG1.

- A sub-floor soil vapor sample (GRSG4) was collected from 5 feet below the earthen floor of the basement at the same location as RI sample GRSG2.

Based on discussions with the NYSDOH, helium trace testing was added to the SI work scope for the sub-floor soil vapor samples. The purpose of the helium testing was to use a highly mobile tracer gas to determine if any leakage of ambient air was occurring through the soil vapor sampling equipment or surrounding concrete or soil, and thereby potentially diluting the soil vapor samples. The results of the helium trace testing are discussed with the SVI analytical results below.

2.3 Surface Soil Sampling

At the request of the NYSDOH, two surface soil samples (GRSS1 and GRSS2) were collected from the earthen floor of the basement at the locations shown on Figure 1. The samples were collected from 0-2 inches below ground surface (bgs).

2.4 Soil Borings and Subsurface Soil Sampling

Four subsurface soil borings were completed during the SI.

- **GRSB1 and GRSB2** – Two borings were completed within the footprint of the former canal raceway to the west of the building to obtain soil quality data between the 28 Pike Street property building and former UST N on the O&R property.

- **GRSB3** – A soil boring was completed in the basement of the 28 Pike Street property building to obtain soil quality data near the location of former Tar Well S on the O&R property.

- **GRSB4** – A soil boring was completed in the southern area of the building's basement to assess soil conditions at this location.

Direct-push drilling methods were used to complete the borings (GRSB3 and GRSB4) in the basement of the building. RETEC contracted Zebra Environmental Services, of Albany, New York to perform the subsurface soil sampling. Zebra utilized a small Geoprobe™ direct-push drilling rig equipped with a Macro-Core™ sampler which was used to collect continuous soil samples from the ground surface to the bottom of the borings. The borings were advanced until the drilling tools encountered refusal at each location.

The soil borings outside of the 28 Pike Street property building (GRSB1 and GRSB2) were advanced with a hollow-stem auger drilling rig. RETEC contracted Nothnagle Drilling of Scottsdale, New York to perform the subsurface soil sampling. Nothnagle utilized a hollow-stem auger rig equipped with split-spoon samplers to collect soil samples continuously from the ground surface to the bottom of the borings (24 feet bgs).

Soil from each 2-foot depth interval in the cores or split-spoon samplers was placed in plastic bags and screened with a photo-ionization detector (PID) using the "headspace" method of analysis. A subsurface borelog was completed by the geologist which described: 1) the type of soil encountered, 2) the presence of visible evidence of hydrocarbon residuals, 3) the presence of hydrocarbon-like odors, and 4) a description of any subsurface features or materials encountered. The results of the field characterization and PID screening are provided on the borelogs in Appendix B.

Soil samples for laboratory analyses were obtained from targeted intervals, biased to elevated PID readings, visual, and/or olfactory evidence of impact. Where visible evidence of residuals was not observed, and the results of the PID screening of soil samples were not found to be significantly elevated, two laboratory samples were collected to document non-impacted soil conditions. The depth intervals for the laboratory samples collected are shown on the borelogs in Appendix B, and are included on the analytical summary tables discussed below.

2.5 Groundwater Sampling

Groundwater samples were collected at each of the soil boring locations after the borings had been installed to the final depth at each location. The sampling methods for each boring are summarized as follows:

- **GRSB1/TW6** – After the soil boring was advanced to 24 feet bgs, a 15-foot long PVC well screen was placed inside the augers from 9 feet to 24 feet bgs in the borehole in order to straddle the water table which was encountered at 13 feet bgs. The augers were removed from the borehole and the well screen was developed and sampled using the methods described below.

- **GRSB2/TW3** – This boring was also advanced to 24 feet bgs. A 15-foot long PVC well screen was placed in the augers from 9 feet to 24 feet bgs in the borehole in order to straddle the water table which was also encountered at 13 feet bgs. The augers were

removed from the borehole and the well screen was then developed and sampled

- **GRSB3/TW4** – The soil boring was advanced to 8.5 feet bgs in the basement of the building. A 5-foot long PVC well screen placed from 3.5 to 8.5 bgs to straddle the water table which was encountered at 6 feet bgs. The direct-push drilling tools were removed from the boring and the well screen was then developed and sampled.

- **GRSB4/TW5** – The soil boring was advanced to 11 feet bgs in the basement of the building. A 5-long PVC well screen placed from 6 to 11 feet bgs to straddle the water table which was encountered at 7 feet bgs. The direct-push drilling tools were removed from the boring and the well screen was then developed and sampled.

Polyethylene tubing and a peristaltic pump were used to purge the well screens until the groundwater was observed to be visually free of turbidity. Sampling for semi-volatile organic compounds (SVOCs), metals, and total cyanide was accomplished with the pump and tubing. Sampling for volatile organic compounds (VOCs) was accomplished with a mini-bailer. Following the completion of the groundwater sampling, the well screens were removed and the boreholes were filled with a cement/bentonite grout.

Note that it was necessary to modify the work scope presented in the SI Work Plan at several temporary well locations. Temporary well TW4 was sampled as indicated in the Work Plan; however, the bottles for the SVOC analyses from this location were broken during shipment to the laboratory. In order to obtain additional groundwater data in the vicinity of this boring, groundwater sampling was added to the SI work scope at two additional locations (TW5 and TW6).

2.6 Analytical Program

The surface and subsurface soil, and the groundwater samples collected during the SI were analyzed by STL Laboratory of Pittsburgh, Pennsylvania using the most current methods specified in the July 2005 NYSDEC Analytical Services Protocol (ASP). The Form I laboratory results sheets for the analyses and the chain-of-custody records for the sample shipments are included in Appendix C.

The soil and groundwater samples were analyzed for the following constituents using the following methods:

- **Target Compound List (TCL) Volatile Organic Compounds (VOCs)** – by Method OLMO4.2;

- **TCL Semi-volatile Organic Compounds (SVOCs)** – by Method OLMO4.2;

- **Metals** – Target Analyte List (TAL) Metals: aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc by Method ILMO4.1; and

- **Total Cyanide** – Method ILMO4.1.

The ambient air, indoor air, and soil vapor samples collected during the SI were analyzed for VOCs by U.S. EPA Method TO-15 by Air Toxics Laboratory (ATL) of Folsom, California. The Form I laboratory results sheets and the chain-of-custody records for the sample shipment are included in Appendix C. The following compounds were added by RETEC and ATL to supplement the typical analyte list for

U.S. EPA Method TO-15: naphthalene, indene, indan, thiophene, 2-methylpentane, isopentane, 2,3-dimethylpentane, and 2,2,4-trimethylpentane. These compounds were added to the analyses to help distinguish between potential MGP-related sources of vapors and vapors from other potential non-MGP-related sources.

For quality control purposes comprehensive data packages were produced by STL for the soil and groundwater samples and by ATL for the SVI samples, in preparation for the results to be reviewed by a qualified chemist. Data Usability Summary Reports (DUSRs) were prepared by RETEC for each soil, water, or air sample delivery group. The DUSRs for this project are included in Appendix D. The full NYSDEC ASP Category B deliverable packages from STL and ATL are included in Appendix E.

3 SI Results

3.1 Field Observations

The field measurements and observations made during the SI are summarized as follows:

- Surface soil (and soil down to a depth of 2 feet bgs) in the earthen floor of the basement of the 28 Pike Street property building contains varying amounts of granular and pebble-sized coal materials. Based on a discussion with the property owner, a coal furnace used for heating purposes was once present in the basement of the building. Considering that the grade of the building's basement is considerably lower than that of the former coal house on the property during the period of MGP operations, the coal fragments observed in the surface soil may be associated with the former use of a coal-fired furnace in this area of the present building.

- Visible or olfactory evidence of hydrocarbon-like impacts, or elevated PID readings, were not observed during the soil and groundwater sampling performed at GRSB2/TW3, GRSB3/TW4, and GRSB4/TW5.

- A hydrocarbon-like odor and a trace amount of hydrocarbon-like sheen were observed in soil samples collected from boring GRSB1 at, or slightly below the elevation of the groundwater table. Hydrocarbon-like odors were observed from 13 to 18 feet bgs. A trace amount of hydrocarbon-like sheen was observed from 13 to 16 feet bgs. Visual or olfactory evidence of hydrocarbon impacts or elevated PID readings were not observed from 18 feet bgs down to the bottom of the boring at 24 feet bgs.

- Based on the two borings completed within the footprint of the former canal raceway, a layer of historic fill material is present in this area in thicknesses ranging up to 6 feet. The fill consists of sand mixed with ash-like material, coal fragments, clinker-like material, glass, metal, wood, gravel, and boulders.

3.2 Analytical Results

The evaluation of the surface and subsurface soil samples collected during the SI is based on a comparison to the recommended soil cleanup objective concentrations listed in the following documents:

- NYSDEC Technical Administrative Guidance Memorandum (TAGM) HWR-94-4046 - Determination of Recommended Soil Cleanup Objectives (RSCOs) and Cleanup Levels, NYSDEC, 1994, and

- The document entitled NYSDEC Subpart 375-1, General Remedial Program Requirements, and Subpart 375-6, Remedial Program Soil Cleanup Objectives (SCOs), dated December 14, 2006. Part 375-6 - Unrestricted Use, Residential Use, and Restricted-Residential Use SCOs have been included in the data summary tables for this report.

The evaluation of the groundwater results is based on a comparison to either guidance values or standards listed in NYSDEC - Division of Water - TOGS (1.1.1) - 6 NYCRR 703.5, NYSDEC, 1998.

The evaluation of the SVI results is based on a comparison to the results of a study of VOCs in the indoor air of approximately 100 homes heated with fuel oil which was compiled by the NYSDOH in a report dated November 14, 2005.

3.2.1 Surface Soil Results

Surface Soil VOC Results

The results of the surface soil VOC analyses for the samples taken from the earthen floor of the basement are summarized in Table 1. VOCs at concentrations greater than the method reporting limits were not detected in either of the surface soil samples.

Surface Soil SVOC Results

The results of the surface soil SVOC analyses are summarized in Table 2. SVOC compounds were not detected in concentrations greater than the method reporting limits in the sample collected at location GRSS1. Individual SVOC compounds were detected in concentrations above the method reporting limits in the sample collected at location GRSS2; however, the concentrations detected were all less than the Part 375 Unrestricted Use SCOs. It is possible that the SVOCs detected at this location may be attributable to the presence of coal fragments in the soil.

The results of the surface samples collected as part of the SI are summarized in Table 2. For the purpose of completeness, the results of the surface soil sample that was collected during the RI (sample SS1) which was collected outside the western corner of the 28 Pike Street property building has also been included on Table 2. As indicated in the table, sample SS1 contained individual polycyclic aromatic hydrocarbon (PAH) compounds in elevated

concentrations (exceeding Part 375-6 and TAGM RSCO concentrations). As discussed in the RI Report for the Former Pike Street MGP Site, the cleanup of soil in the area of SS1 has been proposed.

Surface Soil Metals Results

The results of the surface soil metals analyses are summarized on Table 3. None of the TAL metals concentrations were greater than the Part 375 Unrestricted Use SCOs for sample GRSS1.

For sample GRSS2, concentrations of arsenic (29.3 mg/Kg), lead (1,210 mg/Kg), mercury (1.5 mg/Kg), and zinc (323 mg/Kg) were found to be greater than the Part 375-6 SCOs, the TAGM RSCOs, or the concentrations detected in background surface soil samples collected in the City of Port Jervis during the RI for the MGP site (summarized on Table 3). It is possible that these metals may be attributable to the coal fragments found in the soil, since all of these trace metals are found in coal in varying concentrations.

As shown on Table 3, RI sample SS1 also had metal concentrations detected that are greater than the TAGM 4046 or Part 375-6 SCOs. As previously discussed, soil cleanup work is proposed for this area.

Surface Soil Total Cyanide

Total cyanide was not detected in concentrations greater than the method reporting limits for samples GRSS1, and RI sample SS1. Total cyanide was detected in a concentration of 0.91 mg/Kg at sample location GRSS2; however, this concentration is less than the Part 375-6 Unrestricted Use SCO of 27 mg/Kg for total cyanide.

3.2.2 Subsurface Soil Results

Subsurface Soil VOC Results

The subsurface soil VOC results are summarized in Table 4. VOC compounds were not detected at concentrations greater than the method reporting limits in any of the subsurface soil samples collected during the SI.

Subsurface Soil SVOC Results

The subsurface soil SVOC results are summarized in Table 5. Only the sample from the approximate depth of the groundwater table at GRSB1 contained SVOCs in concentrations greater than the method reporting limits. All of the compounds detected were PAH compounds. None of the concentrations were greater than the Part 375-6 Unrestricted Use SCO concentrations.

Subsurface Soil Metals

The subsurface soil metals results are summarized on Table 6. None of the subsurface soil samples analyzed during the SI had metal concentrations that were greater than the Part 375-6 Unrestricted Use SCO concentrations.

Subsurface Soil Total Cyanide

The subsurface soil total cyanide results are summarized in Table 6. None of the subsurface soil samples analyzed during the SI had total cyanide concentrations that were greater than the method reporting limits. Samples GRSB1(22-24) and GRSB2(13-14) contained estimated total cyanide J concentrations that were estimated below the method reporting limits by the laboratory; however, each of these estimated concentrations was well below the Part 375-6 Unrestricted Use SCO of 27 mg/Kg.

3.2.3 Groundwater Results

Groundwater VOC Results

The results of the groundwater VOC analyses are summarized on Table 7. None of the groundwater samples collected during the SI contained VOCs in concentrations greater than the method reporting limits. For sample TW6, and the duplicate sample taken from this location (TW60), acetone was identified to be present at a concentration below the method reporting limit by the laboratory. Acetone is a common laboratory contaminant and the presence of this compound is attributed to laboratory contamination.

Groundwater SVOC Results

The groundwater SVOC results are summarized in Table 8. Only the sample collected from TW6 in the western corner of the property contained SVOC compounds in concentrations greater than the method reporting limits. Acenaphthene was detected in sample TW6 in a concentration of 12 ug/L. This concentration is less than the groundwater guidance value of 20 ug/L.

Groundwater Metals Results

The groundwater metals and cyanide results are summarized in Table 9. With the exception of lead in sample TW6, all metals possibly associated with MGP site residuals were found to be absent or present at concentrations less than the groundwater standards. Three common metals (iron, manganese, and sodium) were found to exceed groundwater standards at one or more locations. All of these metals are naturally occurring, and all are commonly found at elevated levels in groundwater in New York State, including the upgradient well (MW6) installed on the O&R property during the RI.

Lead was detected at concentrations of 124 ug/L at TW6, and 120 ug/L in the duplicate sample taken at this location (TW60). The concentrations detected in these samples are greater than the groundwater standard of 25 ug/L. It is important to note that the groundwater samples collected during the SI were obtained from temporary well points instead of monitoring wells. The temporary wells were purged until the groundwater samples were relatively free of turbidity; however, lower turbidity and correspondingly lower concentrations of metals would likely be obtained through the use of properly developed monitoring wells. Lead was not detected in any of the wells sampled during the RI in concentrations greater than the groundwater standard value, and lead in groundwater is not considered a COC for the MGP site.

Groundwater Total Cyanide Results

Total cyanide was not detected in any of the groundwater samples collected during the SI in concentrations greater than the method reporting limits.

3.2.4 SVI Evaluation Results

The results of the SVI evaluation samples collected during the SI are summarized in Table 10. To include the results of all the SVI evaluation sampling performed at the property, the results of the samples collected during the SI and the RI (June 2004) are summarized in Table 11. The VOC results are presented to the left in the tables. The two right-most columns present background indoor air values obtained from the NYSDOH 2005 database. The background values are expressed as the 75th and 90th percentile values derived statistically from the datasets. The 68 VOCs that were analyzed are divided into two categories in the data summary tables:

1) Compounds that could possibly be related to MGP sources, but may also be related to non-MGP sources, including: benzene, naphthalene, and indene; and

2) Compounds that are certainly not related to MGP sources, including: chlorinated hydrocarbons and methyl tert-butyl ether (MTBE), a gasoline additive.

Soil Vapor Results

For the two soil vapor samples, all of the VOCs that the NYSDEC and NYSDOH consider to be potentially attributable to MGP operations (and other non-MGP sources) were detected at concentrations within the typical range that these compounds are found in indoor air (i.e. lower than the 75th or 90th percentile of NYSDOH background values. For example, benzene was detected at very low concentrations in the samples from below the boiler room and main basement floors (2.6 and 1.4 $\mu g/m^3$, respectively). Toluene was detected at concentrations considerably lower than the 75th percentile of the NYSDOH background values, while hexane was detected at a concentration below the 75th percentile of the NYSDOH background values in the soil

vapor sample from beneath the main basement area and at a concentration below the 90th percentile of the NYSDOH background values in the sample from beneath the boiler room floor. The compounds indan, indene, and thiophene, which are considered especially indicative of MGP impacts, were not detected in either of the samples.

The two soil vapor samples did contain non-MGP-related VOCs at concentrations higher than the typical range than these compounds are found in indoor air. Tetrachloroethene (also known as perchloroethene, or PCE, a common dry cleaning agent) was detected in the samples from the boiler room and main basement areas at concentrations of 160 and 110 $\mu g/m^3$, respectively. For comparison, the NYSDOH background value (90th percentile) for PCE is 2.9 $\mu g/m^3$. Trichlorofluoromethane (also known as Freon 11 – a refrigerant gas) was found at a concentration of 68 $\mu g/m^3$ in the sample from beneath the boiler room and a concentration of 250 $\mu g/m^3$ in the sample from beneath the main basement area. The NYSDOH 90th percentile background value for this compound is 17 $\mu g/m^3$.

The results of the helium analyses for sample GRSG3 was 0.17%. Helium was not detected in sample GRSG4 in concentrations greater than the method reporting limits. The concentration detected in GRSG3 was well below the limit established by the NYSDOH (20% helium) for the laboratory samples. The results indicate that the possible infiltration of ambient air into the sub-floor samples was not a concern for the SI sampling.

Indoor Air Results

In the two indoor air samples (and the duplicate indoor air sample), several VOCs were detected at concentrations above the typical range that these compounds are found in indoor air (i.e. higher than the 75th or 90th percentile of NYSDOH background values). Benzene was detected at a lower concentration in the main basement area (14 $\mu g/m^3$), than in the first floor sample and duplicate (49 and 39 $\mu g/m^3$, respectively). The elevated concentration of benzene in the first floor sample appears to be associated with elevated concentrations of 2-methylpentane, heptane, hexane, isopentane, toluene and xylenes, which are likely to be constituents of the petroleum products found to be present within the building during the chemical inventory survey conducted as part of the SVI evaluation. The presence of these compounds does not appear to be caused by vapor intrusion from the soil vapor, because the concentrations of these compounds detected in the soil vapor samples were much lower.

Tetrachloroethene was detected in the basement area at a concentration of 28 $\mu g/m^3$, which is above the typical range (the 90th percentile value is 2.9 $\mu g/m^3$). It was not detected in either the indoor air sample or duplicate collected on the first floor.

Ambient Air Results

The ambient air sample contained VOCs detected within the typical range for indoor air.

SVI Evaluation Summary

The most significant results relate to the apparent vapor intrusion of tetrachloroethene (PCE). This dry cleaning agent is not related to former MGP operations. The source of the PCE was not apparent because PCE was not detected at elevated concentrations in the soil and groundwater samples collected as part of the SI effort. PCE is specifically discussed in the NYSDOH document Guidance for Evaluating Soil Vapor Intrusion in the State of New York, New York State Department of Health, October 2006. The NYSDOH Soil Vapor/Indoor Air Decision Matrix 2 indicates that if the soil gas concentration is greater than 100 µg/m^3 (they were 160 and 110 µg/m^3) and the indoor air concentration is less than 30 µg/m^3, (it was 28 µg/m^3 in the basement) then monitoring is indicated. The type and frequency of monitoring is determined on a site-specific and building-specific basis.

The NYSDOH guidance document does not provide action criteria for petroleum hydrocarbons such as benzene. Because these compounds were present in elevated concentrations in samples from the first floor, but in lower concentrations in the samples from the basement, and in still lower concentrations in the soil vapor samples and ambient air sample, it appears that vapor intrusion of these compounds is not occurring, and that the source(s) are likely products or materials within the building. It is likely that a primary source of these petroleum hydrocarbons is the lamp oil present at more than 20 tables in the restaurant area on the ground floor of the 28 Pike Street building.

3.2.5 DUSR Review

The DUSR for the SI samples is included in Appendix D. As part of the data review process, analytical results and data qualifiers were corrected where necessary to reflect quality control issues. The Form I Report Sheets in Appendix C, and the data summary spreadsheets (Tables 1-11) have been modified to reflect the findings of the DUSR.

Organic data quality was evaluated by reviewing the following parameters: holding times, GC/MS tuning and performance, internal standards, initial and continuing calibrations, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) samples, MS/MSD relative percent differences (RPDs), laboratory control standards (LCSs), laboratory blanks, field duplicates, field blanks, compound identification, and compound quantitation.

Due to poor instrument recovery during the VOC analyses, the results for five soil samples for the compound 1,2-dibromo-3-chloropropane were rejected.

This compound is not an MGP indicator compound and the overall impact on the sampling program is not believed to be significant. With this exception, all other volatile organic data were found to be useable, with some qualifications for calibration nonconformance, and holding time exceedances. All semi-volatile organic data were found to be useable with some qualifications for calibration non-conformances.

Inorganic data quality was evaluated by reviewing the following parameters: holding times, initial and continuing calibrations, contract required detection limit (CRDL) standard recoveries, MS/MSD samples, LCSs, laboratory duplicates, ICP interference check sample results, ICP serial dilution results, laboratory blanks, field duplicates, and field blanks. All metals results are useable with some qualification. The total cyanide data were found to be useable and accepted without qualifications.

Air data quality for the VOC analyses was evaluated by reviewing the following parameters: holding times, GC/MS tuning and performance, internal standards, initial and continuing calibrations, continuing calibration verifications, surrogate recoveries, LCS, laboratory blanks, laboratory duplicates, compound identification, and compound quantitation. The VOC air data was determined to be useable with some qualifications for calibration nonconformance.

4 Conclusions

Conclusions for the SI performed at the 28 Pike Street property include the following:

- Surface soil in the basement of the building contains fine-grained and pebble-sized coal materials. SVOCs in low-level concentrations, and metals in concentrations greater than RSCOs, were detected in one of the two surface soil samples collected from the basement. Since these COCs are components of coal it is possible that the presence of these compounds in the detected concentrations is due to the former use of coal in this area.

- The western property boundary of the 28 Pike Street property straddles a former canal raceway that has been filled-in to a depth of 6 feet with historic fill materials. Most of this area of the property has been covered by a concrete walkway that leads to a service entrance for the restaurant; however, a small area of exposed surface soil is present in the western corner of the property that contains SVOCs and metals in concentrations exceeding RSCOs. The removal of soil in this area has been proposed, and a scope-of-work for this action is currently being discussed with the NYSDEC.

- Field screening and the laboratory analyses performed for samples collected in the basement of the property building indicate that subsurface soil and groundwater have not been impacted by MGP-related, or petroleum-related residuals in this area.

- Hydrocarbon-like odors and a trace amount of sheen were observed in soil samples taken from the approximate depth of the groundwater table during completion of a soil boring located in the western corner of the property. Although this impact was observed during the field screening, laboratory analyses performed for a sample from this interval indicates that soil at this location has not been impacted with COCs in concentrations greater than Part 375-6 Unrestricted Use SCOs. A groundwater sample obtained from the boring indicates that VOCs, SVOCs, or total cyanide are not present in concentrations greater than the groundwater standard values at this location.

- The SVI evaluation sampling performed at the property indicates that the potential for indoor air in the property building to be adversely impacted by MGP-related COCs in soil vapor is low. Similar results were found during a round of sampling performed during the RI in June 2004. The evaluation results did indicate that

the non-MGP related compound PCE is present in the sub-floor vapor and indoor air in the building in concentrations close to, or exceeding regulatory criteria.

- The results of the SI are consistent with information obtained during the RI for the MGP site. The 28 Pike Street property is situated to the northeast of, and outside of, the impacted groundwater plume that is present in the former MGP process area to the west. The SVI evaluation results for the sampling performed at the 28 Pike Street property are similar to the SVI evaluation results from sampling at other properties surrounding the former MGP process area, with low concentrations of COCs that are possibly related to MGP residuals, and low potential that impacted soil vapor could be adversely affecting indoor air quality in buildings on the properties.

Tables

Table 1
Surface Soil VOC Results
28 Pike Street SI - Port Jervis, New York

Sample Designation Laboratory Identification Date Sampled	NYSDEC Part 375-6 Unrestricted Use Cleanup Objectives	NYSDEC Part 375-6 Residential Use Cleanup Objectives	NYSDEC Part 375-6 Restricted-Residential Use Cleanup Objectives	NYSDEC TAGM Recommended Soil Cleanup Objectives	GRSS1 C6F280229001 6/26/2006		GRSS2 C6F280229002 6/26/2006	
BTEX Compounds (mg/Kg)								
Benzene	0.06	2.9	4.8	0.06	0.010	U	0.012	U
Ethylbenzene	1	30	41	5.5	0.010	U	0.012	U
Toluene	0.7	100	100	1.5	0.010	U	0.012	U
Xylenes (total)	0.26	100	100	1.2	0.010	U	0.012	U
Total BTEX (mg/Kg)	NL	NL	NL	NL	---	U	---	U
Other VOCs (mg/Kg)								
1,1,1-Trichloroethane	0.68	100	100	0.8	0.010	U	0.012	U
1,1,2,2-Tetrachloroethane	NL	NL	NL	0.6	0.010	U	0.012	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NL	NL	NL	6.0	0.010	U	0.012	U
1,1,2-Trichloroethane	NL	NL	NL	NL	0.010	U	0.012	U
1,1-Dichloroethane	0.27	19	26	0.2	0.010	U	0.012	U
1,1-Dichloroethene	0.33	100	100	0.4	0.010	U	0.012	U
1,2,4-Trichlorobenzene	NL	NL	NL	3.4	0.010	U	0.012	U
1,2-Dibromo-3-chloropropane	NL	NL	NL	NL	0.010	U	0.012	U
1,2-Dibromoethane	NL	NL	NL	NL	0.010	U	0.012	U
1,2-Dichlorobenzene	1.1	100	100	7.9	0.010	U	0.012	U
1,2-Dichloroethane	0.02	2.3	3.1	0.1	0.010	U	0.012	U
1,2-Dichloropropane	NL	NL	NL	0.3	0.010	U	0.012	U
1,3-Dichlorobenzene	2.4	17	49	NL	0.010	U	0.012	U
1,4-Dichlorobenzene	1.8	9.8	13	NL	0.010	U	0.012	U
2-Butanone	0.12	100	100	0.3	0.010	U	0.012	U
2-Hexanone	NL	NL	NL	NL	0.010	U	0.012	U
4-Methyl-2-pentanone	NL	NL	NL	1.0	0.010	U	0.012	U
Acetone	0.05	100	100	0.2	0.010	U	0.012	U
Bromodichloromethane	NL	NL	NL	NL	0.010	U	0.012	U
Bromoform	NL	NL	NL	NL	0.010	U	0.012	U
Bromomethane	NL	NL	NL	NL	0.010	U	0.012	U
Carbon disulfide	NL	NL	NL	2.7	0.010	U	0.012	U
Carbon tetrachloride	0.76	1.4	2.4	0.6	0.010	U	0.012	U
Chlorobenzene	1.1	100	100	1.7	0.010	U	0.012	U
Chloroethane	NL	NL	NL	1.9	0.010	U	0.012	U
Chloroform	0.37	10	49	0.3	0.010	U	0.012	U
Chloromethane	NL	NL	NL	NL	0.010	U	0.012	U
cis-1,2-Dichloroethene	0.25	59	100	NL	0.010	U	0.012	U
cis-1,3-Dichloropropene	NL	NL	NL	NL	0.010	U	0.012	U
Cyclohexane	NL	NL	NL	NL	0.010	U	0.012	U
Dibromochloromethane	NL	NL	NL	NL	0.010	U	0.012	U
Dichlorodifluoromethane	NL	NL	NL	NL	0.010	U	0.012	U
Isopropylbenzene	NL	NL	NL	NL	0.010	U	0.012	U
Methyl acetate	NL	NL	NL	NL	0.010	UJ	0.012	UJ
Methyl tert-butyl ether	0.93	62	100	NL	0.010	U	0.012	U
Methylcyclohexane	NL	NL	NL	NL	0.010	U	0.012	U
Methylene chloride	0.05	51	100	0.10	0.010	U	0.012	U
Styrene	NL	NL	NL	NL	0.010	U	0.012	U
Tetrachloroethene	1.3	5.5	19	1.4	0.010	U	0.012	U
trans-1,2-Dichloroethene	0.19	100	100	0.3	0.010	U	0.012	U
trans-1,3-Dichloropropene	NL	NL	NL	NL	0.010	U	0.012	U
Trichloroethene	0.47	10	21	0.7	0.010	U	0.012	U
Trichlorofluoromethane	NL	NL	NL	NL	0.010	U	0.012	U
Vinyl chloride	0.02	0.21	0.9	0.2	0.010	U	0.012	U
Total VOCs (mg/Kg) (Note 1)	NL	NL	NL	≤ 10	--	U	--	U

Notes:
NL = Not Listed
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the reporting limit.
NYSDEC TAGM HWR-94-4046 - Determination of Soil Cleanup Objectives and Cleanup Levels [NYSDEC, Jan. 1994].
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
(Note 1) - Total VOCs includes all BTEX compounds.

Table 2
Surface Soil SVOC Results
28 Pike Street SI - Port Jervis, New York

Sample Designation Laboratory Identification Date Sampled	NYSDEC Part 375-6 Unrestricted Use Cleanup Objectives	NYSDEC Part 375-6 Residential Use Cleanup Objectives	NYSDEC Part 375-6 Restricted-Residential Use Cleanup Objectives	NYSDEC TAGM Recommended Soil Cleanup Objectives	SS1 C0K080236001 11/6/2000		GRSS1 C6F280229001 6/27/2006		GRSS2 C6F280229002 6/27/2006	
PAH Compounds (mg/Kg)										
2-Methylnaphthalene	NL	NL	NL	36.4	**1.8**	**J**	0.34	U	**0.074**	**J**
Acenaphthene	20	100	100	50	**11**		0.34	U	0.38	U
Acenaphthylene	100	100	100	41	**1**	**J**	0.34	U	**0.25**	**J**
Anthracene	100	100	100	50	**16**		0.34	U	**0.20**	**J**
Benzo(a)anthracene	1	1	1	0.224/MDL	**38**		0.34	U	**0.71**	
Benzo(a)pyrene	1	1	1	0.061/MDL	**27**		0.34	U	**0.67**	
Benzo(b)fluoranthene	0.8	1	1	1.1	**33**		0.34	U	**0.92**	
Benzo(ghi)perylene	100	100	100	50	**8.0**		0.34	U	**0.64**	
Benzo(k)fluoranthene	1	1	3.9	1.1	**14**		0.34	U	**0.32**	**J**
Chrysene	1	1	3.9	0.4	**41**		0.34	U	**0.85**	
Dibenz(a,h)anthracene	0.33	0.33	0.33	0.014/MDL	**5.5**		0.34	U	**0.14**	**J**
Fluoranthene	100	100	100	50	**89**		0.34	U	**1.1**	
Fluorene	30	100	100	50	**10**		0.34	U	**0.040**	**J**
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	3.2	**16**		0.34	U	**0.50**	
Naphthalene	12	100	100	13	**3.5**	**J**	0.34	U	**0.11**	**J**
Phenanthrene	100	100	100	50	**72**		0.34	U	**0.58**	
Pyrene	100	100	100	50	**61**		0.34	U	**1.10**	
Total PAHs (mg/Kg)	NL	NL	NL	NL	**448**		---	U	**8.2**	
Other SVOCs (mg/Kg)										
1,1'-Biphenyl	NL	NL	NL	50 (Note 2)	NA		0.34	U	0.38	U
2,2'-oxybis(1-Chloropropane)	NL	NL	NL	50 (Note 2)	4.1	U	0.34	U	0.38	U
2,4,5-Trichlorophenol	NL	NL	NL	0.1	10	U	0.86	U	0.96	U
2,4,6-Trichlorophenol	NL	NL	NL	50 (Note 2)	4.1	U	0.34	U	0.38	U
2,4-Dichlorophenol	NL	NL	NL	0.4	4.1	U	0.34	U	0.38	U
2,4-Dimethylphenol	NL	NL	NL	50 (Note 2)	4.1	U	0.34	U	0.38	U
2,4-Dinitrophenol	NL	NL	NL	0.200/MDL	10	U	0.86	U	0.96	U
2,4-Dinitrotoluene	NL	NL	NL	50 (Note 2)	4.1	U	0.34	U	0.38	U
2,6-Dinitrotoluene	NL	NL	NL	1	4.1	U	0.34	U	0.38	U
2-Chloronaphthalene	NL	NL	NL	50 (Note 2)	4.1	U	0.34	U	0.38	U
2-Chlorophenol	NL	NL	NL	50 (Note 2)	4.1	U	0.34	U	0.38	U
2-Methylphenol	0.33	100	100	0.100/MDL	4.1	U	0.34	U	0.38	U
2-Nitroaniline	NL	NL	NL	0.430/MDL	10	U	0.86	U	0.96	U
2-Nitrophenol	NL	NL	NL	0.330/MDL	4.1	U	0.34	U	0.38	U
3,3'-Dichlorobenzidine	NL	NL	NL	50 (Note 2)	4.1	U	0.34	U	0.38	U
3-Nitroaniline	NL	NL	NL	0.500/MDL	10	U	0.86	U	0.96	U
4,6-Dinitro-2-methylphenol	NL	NL	NL	50 (Note 2)	10	U	0.86	U	0.96	U
4-Bromophenyl phenyl ether	NL	NL	NL	50 (Note 2)	4.1	U	0.34	U	0.38	U
4-Chloro-3-methylphenol	NL	NL	NL	0.240/MDL	4.1	U	0.34	U	0.38	U
4-Chloroaniline	NL	NL	NL	0.220/MDL	4.1	U	0.34	U	0.38	U
4-Chlorophenyl phenyl ether	NL	NL	NL	50 (Note 2)	4.1	U	0.34	U	0.38	U
4-Methylphenol	0.33	34	100	0.9	4.1	U	0.34	U	0.38	U
4-Nitroaniline	NL	NL	NL	50 (Note 2)	10	U	0.86	U	0.96	U
4-Nitrophenol	NL	NL	NL	0.100/MDL	10	U	0.86	U	0.96	U
Acetophenone	NL	NL	NL	50 (Note 2)	NA		0.34	U	**0.20**	**J**
Atrazine	NL	NL	NL	50 (Note 2)	NA		0.34	U	0.38	U
Benzaldehyde	NL	NL	NL	50 (Note 2)	NA		0.34	U	**0.055**	**J**
bis(2-Chloroethoxy)methane	NL	NL	NL	50 (Note 2)	4.1	U	0.34	U	0.38	U
bis(2-Chloroethyl) ether	NL	NL	NL	50 (Note 2)	4.1	U	0.34	U	0.38	U
bis(2-Ethylhexyl) phthalate	NL	NL	NL	50	**1.6**	**J**	**0.064**	**J**	**2.6**	
Butyl benzyl phthalate	NL	NL	NL	50	4.1	U	0.34	U	**0.099**	**J**
Caprolactam	NL	NL	NL	50 (Note 2)	NA		0.34	U	0.38	U
Carbazole	NL	NL	NL	50 (Note 2)	**11**		0.34	U	**0.055**	**J**
Dibenzofuran	7	14	59	6.2	**5.9**		0.34	U	**0.15**	**J**
Diethyl phthalate	NL	NL	NL	7.1	4.1	U	0.34	U	0.38	U
Dimethyl phthalate	NL	NL	NL	2	4.1	U	0.34	U	0.38	U
Di-n-butyl phthalate	NL	NL	NL	8.1	4.1	U	0.34	U	0.38	U
Di-n-octyl phthalate	NL	NL	NL	50	4.1	U	0.34	U	0.38	U
Hexachlorobenzene	NL	NL	NL	0.41	4.1	U	0.34	U	0.38	U
Hexachlorobutadiene	NL	NL	NL	50 (Note 2)	4.1	U	0.34	U	0.38	U
Hexachlorocyclopentadiene	NL	NL	NL	50 (Note 2)	4.1	U	0.34	U	0.38	U
Hexachloroethane	NL	NL	NL	50 (Note 2)	4.1	U	0.34	U	0.38	U
Isophorone	NL	NL	NL	4.4	4.1	U	0.34	U	0.38	U
Nitrobenzene	NL	NL	NL	0.200/MDL	4.1	U	0.34	U	0.38	U
N-Nitrosodi-n-propylamine	NL	NL	NL	50 (Note 2)	4.1	U	0.34	U	0.38	U
N-Nitrosodiphenylamine	NL	NL	NL	50 (Note 2)	4.1	U	0.34	U	0.38	U
Pentachlorophenol	0.8	2.4	6.7	1	10	U	0.86	U	0.96	U
Phenol	0.33	100	100	0.03/MDL	4.1	U	0.34	U	0.38	U
Total SVOCs (mg/Kg) (Note 1)	NL	NL	NL	≤ 500	**470**		**0.064**		**11**	

Notes:

NL = Not Listed

MDL - Minimum Detection Limit

NA = Not Analyzed

U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.

J = The associated numerical value is an estimated quantity.

Bold value - compound detected at concentration greater than the reporting limit.

cPAHs - Carcinogenic PAHs are shown in bold and italics.

NYSDEC TAGM HWR-94-4046 - Determination of Soil Cleanup Objectives and Cleanup Levels [NYSDEC, Jan. 1994].

NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.

(Note 1) - Total SVOCs includes all of the PAH and SVOC compounds.

(Note 2) - NYSDEC TAGM 4046 indicates a maximum soil cleanup objective for individual SVOCs of 50 mg/Kg.

Table 3
Surface Soil Metals and Cyanide Results
28 Pike Street SI - Port Jervis, New York

Sample Designation Laboratory Identification Date Sampled	NYSDEC Part 375-6 Unrestricted Use Cleanup Objectives	NYSDEC Part 375-6 Residential Use Cleanup Objectives	NYSDEC Part 375-6 Restricted-Residential Use Cleanup Objectives	NYSDEC TAGM Recommended Soil Cleanup Objectives	SS1 C0K080236001 11/6/2000		GRSS1 C6F280229001 6/26/2006		GRSS2 C6F280229002 6/26/2006	
Metals (mg/Kg)										
Aluminum	NL	NL	NL	SB - (SB=5360)	**6090**		**5450**		**6850**	
Antimony	NL	NL	NL	SB - (Note 1)	10.9	U	12.4	UJ	**0.69**	**J**
Arsenic	13	16	16	7.5 or SB - (SB=7.4)	**8.8**	**J**	**2.9**		**29.3**	
Barium	350	350	400	300 or SB - (SB=85.7)	**206**	**J**	**22.3**	**J**	**190**	
Beryllium	7.2	14	72	0.16 or SB - (SB=0.32)	**0.53**		1.0	U	1.2	U
Cadmium	2.5	2.5	4.3	1 or SB - (SB=0.84)	**1.4**		0.033	U	1.2	U
Calcium	NL	NL	NL	SB - (SB=3270)	**7930**	**J**	1040	U	**11400**	
Chromium	30	36	180	10 or SB - (SB=9.5)	**36.3**	**J**	**6.9**		**11.5**	
Cobalt	NL	NL	NL	30 or SB - (SB=7.7)	**8.8**		**5.5**	**J**	**6.9**	**J**
Copper	50	270	270	25 or SB - (SB=488)	**48.1**		**10.2**	**J**	**71.6**	**J**
Iron	NL	NL	NL	2,000 or SB - (SB=19600)	**23400**		**13000**		**18400**	
Lead	63	400	400	SB - (SB=201)	**2020**		**20.1**		**1210**	
Magnesium	NL	NL	NL	SB - (SB=2190)	**4540**	**J**	**1970**		**2820**	
Manganese	1600	2000	2000	SB - (SB=761)	**460**	**J**	**319**		**553**	
Mercury	0.18	0.81	0.81	0.1 - (SB=0.2)	**0.8**	**J**	0.10	U	**1.5**	**J**
Nickel	30	140	310	13 or SB - (SB=21.7)	**14.6**		**13.5**		**17.6**	
Potassium	NL	NL	NL	SB - (SB=827)	**736**		1040	U	**1620**	**J**
Selenium	3.9	36	180	2 or SB - (SB=0.87)	**0.87**		**0.43**	**J**	**2.5**	
Silver	2	36	180	SB - (Note 1)	0.74	U	2.1	U	**0.38**	**J**
Sodium	NL	NL	NL	SB - (SB=61.2)	**121**		**261**	**J**	**2940**	
Thallium	NL	NL	NL	SB - (Note 1)	1.7	U	**0.62**	**J**	2.3	U
Vanadium	NL	NL	NL	150 or SB - (SB=10.3)	**17.8**		10.4	U	11.5	U
Zinc	109	2200	10000	20 or SB - (SB=207)	**807**		**42.9**		**323**	
Total Cyanide (mg/Kg)	27	27	27	NL	0.62	U	0.52	U	**0.91**	

Notes:
NA = Not Analyzed
NL = Not Listed
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the reporting limit.
NYSDEC TAGM HWR-94-4046 - Determination of Soil Cleanup Objectives and Cleanup Levels [NYSDEC, Jan. 1994].
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
SB - Site Background
SB - (Note 1) - Metal not detected in background samples in concentrations greater than the method reporting limits.

Table 4
Subsurface Soil VOC Results
28 Pike Street SI - Port Jervis, New York

Sample Designation Laboratory Identification Date Sampled	NYSDEC Part 375-6 Unrestricted Use Cleanup Objectives	NYSDEC Part 375-6 Residential Use Cleanup Objectives	NYSDEC Part 375-6 Restricted-Residential Use Cleanup Objectives	NYSDEC TAGM Recommended Soil Cleanup Objectives	GRSB1(13-14) C6G290164004 7/27/2006		GRSB1(22-24) C6G290164005 7/27/2006		GRSB2(13-14) C6G290164001 7/27/2006		GRSB20(13-14) C6G290164002 Duplicate		GRSB2(22-24) C6G290164003 7/27/2006		GRSB3(4-5) C6F280229005 6/26/2006		GRSB3(6-7) C6F280229006 6/26/2006		GRSB4(7-8) C6F280229003 6/26/2006		GRSB4(9-11) C6F280229004 6/26/2006	
BTEX Compounds (mg/Kg)																						
Benzene	0.06	2.9	4.8	0.06	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Ethylbenzene	1	30	41	5.5	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Toluene	0.7	100	100	1.5	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Xylenes (total)	0.26	100	100	1.2	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Total BTEX (mg/Kg)	NL	NL	NL	NL	---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U
Other VOCs (mg/Kg)																						
1,1,1-Trichloroethane	0.68	100	100	0.8	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
1,1,2,2-Tetrachloroethane	NL	NL	NL	0.6	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
1,1,2-Trichloro-1,2,2-trifluoroethane	NL	NL	NL	6.0	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
1,1,2-Trichloroethane	NL	NL	NL	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
1,1-Dichloroethane	0.27	19	26	0.2	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
1,1-Dichloroethene	0.33	100	100	0.4	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
1,2,4-Trichlorobenzene	NL	NL	NL	3.4	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
1,2-Dibromo-3-chloropropane	NL	NL	NL	NL	---	R	---	R	---	R	---	R	---	R	0.011	U	0.012	U	0.012	U	0.013	U
1,2-Dibromoethane	NL	NL	NL	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
1,2-Dichlorobenzene	1.1	100	100	7.9	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
1,2-Dichloroethane	0.02	2.3	3.1	0.1	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
1,2-Dichloropropane	NL	NL	NL	0.3	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
1,3-Dichlorobenzene	2.4	17	49	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
1,4-Dichlorobenzene	1.8	9.8	13	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
2-Butanone	0.12	100	100	0.3	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
2-Hexanone	NL	NL	NL	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
4-Methyl-2-pentanone	NL	NL	NL	1.0	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Acetone	0.05	100	100	0.2	0.020	U	0.013	U	0.043	U	0.040	U	0.020	U	0.011	U	0.012	U	0.012	U	0.013	U
Bromodichloromethane	NL	NL	NL	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Bromoform	NL	NL	NL	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Bromomethane	NL	NL	NL	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Carbon disulfide	NL	NL	NL	2.7	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Carbon tetrachloride	0.76	1.4	2.4	0.6	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Chlorobenzene	1.1	100	100	1.7	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Chloroethane	NL	NL	NL	1.9	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Chloroform	0.37	10	49	0.3	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Chloromethane	NL	NL	NL	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
cis-1,2-Dichloroethene	0.25	59	100	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
cis-1,3-Dichloropropene	NL	NL	NL	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Cyclohexane	NL	NL	NL	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Dibromochloromethane	NL	NL	NL	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Dichlorodifluoromethane	NL	NL	NL	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Isopropylbenzene	NL	NL	NL	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Methyl acetate	NL	NL	NL	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	UJ	0.012	UJ	0.012	UJ	0.013	UJ
Methyl tert-butyl ether	0.93	62	100	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Methylcyclohexane	NL	NL	NL	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Methylene chloride	0.05	51	100	0.1	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Styrene	NL	NL	NL	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Tetrachloroethene	1.3	5.5	19	1.4	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
trans-1,2-Dichloroethene	0.19	100	100	0.3	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
trans-1,3-Dichloropropene	NL	NL	NL	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Trichloroethene	0.47	10	21	0.7	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Trichlorofluoromethane	NL	NL	NL	NL	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Vinyl chloride	0.02	0.21	0.9	0.2	0.011	U	0.013	U	0.012	U	0.012	U	0.011	U	0.011	U	0.012	U	0.012	U	0.013	U
Total VOCs (mg/Kg) (Note 1)	NL	NL	NL	≤ 10	---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U	---	U

Notes:
NA = Not Analyzed
NL = Not Listed
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
R = Rejected Value
Bold value - compound detected at concentration greater than the reporting limit.
NYSDEC TAGM HWR-94-4046 - Determination of Soil Cleanup Objectives and Cleanup Levels [NYSDEC, Jan. 1994].
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
(Note 1) - Total VOCs includes all BTEX compounds.

Table 5
Subsurface Soil SVOC Results
28 Pike Street SI - Port Jervis, New York

Sample Designation Laboratory Identification Date Sampled	NYSDEC Part 375-6 Unrestricted Use Cleanup Objectives	NYSDEC Part 375-6 Residential Use Cleanup Objectives	NYSDEC Part 375-6 Restricted-Residential Use Cleanup Objectives	NYSDEC TAGM Recommended Soil Cleanup Objectives	**GRSB1(13-14)** C6G290164004 7/27/2006		**GRSB1(22-24)** C6G290164005 7/27/2006		**GRSB2(13-14)** C6G290164001 7/27/2006		**GRSB20(13-14)** C6G290164002 7/27/2006		**GRSB2(22-24)** C6G290164003 7/27/2006		**GRSB3(4-5)** C6F280229005 6/27/2006		**GRSB3(6-7)** C6F280229006 6/27/2006		**GRSB4(7-8)** C6F280229003 6/27/2006		**GRSB4(9-11)** C6F280229004 6/27/2006	
PAH Compounds (mg/Kg)																						
2-Methylnaphthalene	NL	NL	NL	36.4	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Acenaphthene	20	100	100	50	**0.15**	**J**	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Acenaphthylene	100	100	100	41	**0.21**	**J**	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	**0.049**	**J**
Anthracene	100	100	100	50	**0.32**	**J**	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Benzo(a)anthracene	1	1	1	0.224/MDL	**0.53**		0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Benzo(a)pyrene	1	1	1	0.061/MDL	**0.54**		0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Benzo(b)fluoranthene	0.8	1	1	1.1	**0.53**		0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Benzo(ghi)perylene	100	100	100	50	**0.22**	**J**	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	**0.089**	**J**
Benzo(k)fluoranthene	1	1	3.9	1.1	**0.18**	**J**	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Chrysene	1	1	3.9	0.4	**0.56**		0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Dibenz(a,h)anthracene	0.33	0.33	0.33	0.014/MDL	**0.098**	**J**	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Fluoranthene	100	100	100	50	**0.75**		0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Fluorene	30	100	100	50	**0.12**	**J**	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	3.2	**0.26**	**J**	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Naphthalene	12	100	100	13	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Phenanthrene	100	100	100	50	**0.11**	**J**	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Pyrene	100	100	100	50	**1.4**		0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Total PAHs (mg/Kg)	NL	NL	NL	NL	**5.98**		---	U	---	U	---	U	---	U	---	U	---	U	---	U	**0.138**	
Other SVOCs (mg/Kg)																						
1,1'-Biphenyl	NL	NL	NL	50 (Note 2)	0.36	U	0.440	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
2,2'-oxybis(1-Chloropropane)	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
2,4,5-Trichlorophenol	NL	NL	NL	0.1	0.91	U	1.1	U	1.0	U	0.98	U	0.91	U	0.94	U	0.98	U	1.0	U	1.0	U
2,4,6-Trichlorophenol	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
2,4-Dichlorophenol	NL	NL	NL	0.4	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
2,4-Dimethylphenol	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
2,4-Dinitrophenol	NL	NL	NL	0.200/MDL	0.91	U	1.1	U	1.0	U	0.98	U	0.91	U	0.94	U	0.98	U	1.0	U	1.0	U
2,4-Dinitrotoluene	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
2,6-Dinitrotoluene	NL	NL	NL	1	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
2-Chloronaphthalene	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
2-Chlorophenol	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
2-Methylphenol	0.33	100	100	0.100/MDL	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
2-Nitroaniline	NL	NL	NL	0.430/MDL	0.91	U	1.1	U	1.0	U	0.98	U	0.91	U	0.94	U	0.98	U	1.0	U	1.0	U
2-Nitrophenol	NL	NL	NL	0.330/MDL	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
3,3'-Dichlorobenzidine	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
3-Nitroaniline	NL	NL	NL	0.500/MDL	0.91	U	1.1	U	1.0	U	0.98	U	0.91	U	0.94	U	0.98	U	1.0	U	1.0	U
4,6-Dinitro-2-methylphenol	NL	NL	NL	50 (Note 2)	0.91	U	1.1	U	1.0	U	0.98	U	0.91	U	0.94	U	0.98	U	1.0	U	1.0	U
4-Bromophenyl phenyl ether	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
4-Chloro-3-methylphenol	NL	NL	NL	0.240/MDL	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
4-Chloroaniline	NL	NL	NL	0.220/MDL	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
4-Chlorophenyl phenyl ether	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
4-Methylphenol	0.33	34	100	0.9	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
4-Nitroaniline	NL	NL	NL	50 (Note 2)	0.91	U	1.1	U	1.0	U	0.98	U	0.91	U	0.94	U	0.98	U	1.0	U	1.0	U
4-Nitrophenol	NL	NL	NL	0.100/MDL	0.91	U	1.1	U	1.0	U	0.98	U	0.91	U	0.94	U	0.98	U	1.0	U	1.0	U
Acetophenone	NL	NL	NL	50 (Note 2)	**0.10**	**J**	**0.045**	**J**	0.41	U	0.39	U	0.36	U	**0.083**	**J**	**0.083**	**J**	**0.088**	**J**	**0.085**	**J**
Atrazine	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Benzaldehyde	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
bis(2-Chloroethoxy)methane	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
bis(2-Chloroethyl) ether	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
bis(2-Ethylhexyl) phthalate	NL	NL	NL	50	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	**0.740**		0.40	U	**0.22**	**J**
Butyl benzyl phthalate	NL	NL	NL	50	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Caprolactam	NL	NL	NL	50 (Note 2)	0.36	U	**0.071**	**J**	**0.074**	**J**	**0.072**	**J**	**0.073**	**J**	**0.039**	**J**	0.39	U	**0.057**	**J**	**0.047**	**J**
Carbazole	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Dibenzofuran	7	14	59	6.2	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Diethyl phthalate	NL	NL	NL	7.1	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	**0.053**	**J**	0.40	U	0.42	U
Dimethyl phthalate	NL	NL	NL	2	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Di-n-butyl phthalate	NL	NL	NL	8.1	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Di-n-octyl phthalate	NL	NL	NL	50	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Hexachlorobenzene	NL	NL	NL	0.41	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Hexachlorobutadiene	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Hexachlorocyclopentadiene	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Hexachloroethane	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Isophorone	NL	NL	NL	4.4	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Nitrobenzene	NL	NL	NL	0.200/MDL	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
N-Nitrosodi-n-propylamine	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
N-Nitrosodiphenylamine	NL	NL	NL	50 (Note 2)	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Pentachlorophenol	0.8	2.4	6.7	1.0	0.91	U	1.1	U	1.0	U	0.98	U	0.91	U	0.94	U	0.98	U	1.0	U	1.0	U
Phenol	0.33	100	100	0.03/MDL	0.36	U	0.44	U	0.41	U	0.39	U	0.36	U	0.37	U	0.39	U	0.40	U	0.42	U
Total SVOCs (mg/kg) (Note 1)	NL	NL	NL	≤ 500	**6.08**		**0.116**		**0.074**		**0.072**		**0.073**		**0.122**		**0.876**		**0.145**		**0.490**	

Notes:

NL = Not Listed

MDL - Minimum Detection Limit

NA = Not Analyzed

U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.

J = The associated numerical value is an estimated quantity.

Bold value - compound detected at concentration greater than the reporting limit.

cPAHs - Carcinogenic PAHs are shown in bold and italics.

NYSDEC TAGM HWR-94-4046 - Determination of Soil Cleanup Objectives and Cleanup Levels [NYSDEC, Jan. 1994].

NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.

(Note 1) - Total SVOCs includes all of the PAH and SVOC compounds.

Table 6
Subsurface Soil Metals and Cyanide Results
28 Pike Street SI - Port Jervis, New York

Sample Designation Laboratory Identification Date Sampled	NYSDEC Part 375-6 Unrestricted Use Cleanup Objectives	NYSDEC Part 375-6 Residential Use Cleanup Objectives	NYSDEC Part 375-6 Restricted-Residential Use Cleanup Objectives	NYSDEC TAGM Recommended Soil Cleanup Objective	GRSB1(13-14) C6G290164004 7/27/2006		GRSB1(22-24) C6G290164005 7/27/2006		GRSB2(13-14) C6G290164001 7/27/2006		GRSB20(13-14) C6G290164002 7/27/2006		GRSB2(22-24) C6G290164003 7/27/2006		GRSB3(4-5) C6F280229005 6/26/2006		GRSB3(6-7) C6F280229006 6/26/2006		GRSB4(7-8) C6F280229003 6/26/2006		GRSB4(9-11) C6F280229004 6/26/2006	
Metals (mg/Kg)																						
Aluminum	NL	NL	NL	SB - (SB=5360)	**4510**	**J**	**7820**	**J**	**5030**	**J**	**5650**	**J**	**8870**	**J**	**4670**		**4470**		**4460**		**4990**	
Antimony	NL	NL	NL	SB - (Note 1)	13.2	UJ	30.6	UJ	14.8	UJ	14.2	UJ	13.2	UJ	13.6	UJ	14.2	UJ	14.5	UJ	15.1	UJ
Arsenic	13	16	16	7.5 or SB - (SB=7.4)	**2.5**		**2.8**		**2.2**	**J**	**1.6**	**J**	**3.2**		**1.6**	**J**	**1.4**	**J**	**1.8**	**J**	**1.7**	**J**
Barium	350	350	400	300 or SB - (SB=85.7)	**25.3**	**J**	**36.8**	**J**	**37.8**	**J**	**47.7**		**31**	**J**	**30.2**	**J**	**39.8**	**J**	**30.4**	**J**	**32**	**J**
Beryllium	7.2	14	72	0.16 or SB - (SB=0.32)	1.1	U	1.3	U	1.2	U	1.2	U	1.1	U	1.1	U	1.2	U	1.2	U	1.3	U
Cadmium	2.5	2.5	4.3	1 or SB - (SB=0.84)	1.1	U	1.3	U	1.2	U	1.2	U	1.1	U	1.1	U	1.2	U	1.2	U	1.3	U
Calcium	NL	NL	NL	SB - (SB=3270)	1100	U	1330	U	1230	U	1190	U	1100	U	1180	U	1180	U	1210	U	1260	U
Chromium	30	36	180	10 or SB - (SB=9.5)	**4.5**	**J**	**18.8**	**J**	**5.2**	**J**	**5.4**	**J**	**11.6**	**J**	**4.6**		**4.8**		**4.6**		**5.7**	
Cobalt	NL	NL	NL	30 or SB - (SB=7.7)	**4.3**	**J**	**8.1**	**J**	**4.5**	**J**	**4.6**	**J**	**5.6**	**J**	**4.2**	**J**	**4.0**	**J**	**4.2**	**J**	**4.5**	**J**
Copper	50	270	270	25 or SB - (SB=488)	**11.9**		**20**		**31.5**	**J**	**15.7**	**J**	**3.0**	**J**	**4.0**	**J**	**3.9**	**J**	**3.6**	**J**	**4.8**	**J**
Iron	NL	NL	NL	2,000 or SB - (SB=19600)	**8590**	**J**	**20000**	**J**	**9880**	**J**	**10200**	**J**	**18700**	**J**	**9320**		**9070**		**9410**		**10100**	
Lead	63	400	400	SB - (SB=201)	**5.2**		**4.8**		**6.2**		**5.6**		**2.7**		**3.1**	**J**	**8.1**	**J**	**2.7**	**J**	**4.5**	**J**
Magnesium	NL	NL	NL	SB - (SB=2190)	**1650**		**2960**		**1800**		**2040**		**3690**		**1710**		**1650**		**1640**		**1760**	
Manganese	1600	2000	2000	SB - (SB=761)	**92.4**	**J**	**180**	**J**	**143**	**J**	**138**	**J**	**161**	**J**	**266**		**215**		**185**		**245**	
Mercury	0.18	0.81	0.81	0.1 - (SB=0.2)	0.11	U	0.13	U	0.12	U	0.12	U	0.11	U	0.11	U	0.12	U	0.12	U	0.11	U
Nickel	30	140	310	13 or SB - (SB=21.7)	**8.9**		**23.3**		**9.3**	**J**	**10.4**		**16.6**		**8.8**	**J**	**8.6**	**J**	**8.5**	**J**	**9.3**	**J**
Potassium	NL	NL	NL	SB - (SB=827)	1100	U	1330	U	1230	U	1190	U	1100	U	1130	U	1180	U	1210	U	1260	U
Selenium	3.9	36	180	2 or SB - (SB=0.87)	**0.87**	**J**	**0.79**	**J**	**0.63**	**J**	**0.51**	**J**	**0.6**	**J**	1.1	U	**0.41**	**J**	**0.59**	**J**	1.3	U
Silver	2	36	180	SB - (Note 1)	2.2	U	2.7	U	2.5	U	2.4	U	2.2	U	**0.12**	**J**	2.4	U	**0.15**	**J**	2.5	U
Sodium	NL	NL	NL	SB - (SB=61.2)	**75**	**J**	**137**	**J**	**129**	**J**	**85.8**	**J**	**132**	**J**	**39.8**	**J**	**68**	**J**	**53.5**	**J**	**121**	**J**
Thallium	NL	NL	NL	SB - (Note 1)	2.2	U	2.7	U	2.5	U	2.4	U	2.2	U	2.3	U	2.4	U	2.4	U	2.5	U
Vanadium	NL	NL	NL	150 or SB - (SB=10.3)	**4.5**	**J**	**9.6**	**J**	**5.2**	**J**	**5.5**	**J**	**9.5**	**J**	11.3	U	11.8	U	12.6	U	12.6	U
Zinc	109	2200	10000	20 or SB - (SB=207)	**57.7**	**J**	**70.6**	**J**	**63.5**	**J**	**53.6**	**J**	**42.3**	**J**	**28.5**		**28.7**		**27.2**		**29.6**	
Total Cyanide (mg/Kg)	27	27	27	NL	0.55	U	**0.39**	**J**	**0.14**	**J**	0.59	U	0.55	U	0.56	U	0.59	U	0.61	U	0.63	U

Notes:
NA = Not Analyzed
NL = Not Listed
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the reporting limit.
NYSDEC TAGM HWR-94-4046 - Determination of Soil Cleanup Objectives and Cleanup Levels [NYSDEC, Jan. 1994].
NYSDEC Subpart 375-6, Remedial Program Soil Cleanup Objectives, December 14, 2006.
SB - Site Background
SB - (Note 1) - Metal not detected in background samples in concentrations greater than the method reporting limits.

Table 7
Groundwater VOC Results
28 Pike Street SI, Port Jervis, New York

Sample Designation Laboratory Identification Date Sampled	NYSDEC Groundwater Guidance or Standard Value (Note 1)	TW3 C6G290164009 7/27/2006		TW4 C6F280229007 6/26/2006		TW5 C6F280229008 6/26/2006		TW6 C6FG290164006 7/27/2006		TW60 C6FG290164007 Duplicate		TB(6.26.06) C6F280229009 6/26/2006		TB(7.27.06) C6FG290164008 7/27/2006	
BTEX Compounds (ug/L)															
Benzene	1 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Toluene	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Ethylbenzene	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Xylenes (total)	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Total BTEX Compounds (ug/L)	NL	---	U	---	U	---	U	---	U	---	U	---	U	---	U
Other VOCs (ug/L)															
1,1,1-Trichloroethane	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,1,2-Trichloro-1,2,2-trifluoroethane	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,1,2-Trichloroethane	1 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethane	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethene	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dibromo-3-chloropropane	0.04 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dibromoethane	NL	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dichlorobenzene	3 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dichloroethane	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dichloropropane	1 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,3-Dichlorobenzene	3 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
1,4-Dichlorobenzene	3 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
2-Butanone	50 g	10	U	10	U	10	U	10	U	10	U	10	U	10	U
2-Hexanone	50 g	10	U	10	U	10	U	10	U	10	U	10	U	10	U
4-Methyl-2-pentanone	NL	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Acetone	50 g	10	U	10	U	10	U	**13**	**J**	**6.5**	**J**	10	U	10	U
Bromodichloromethane	50 g	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Bromoform	50 g	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Bromomethane	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Carbon disulfide	60 g	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Carbon tetrachloride	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Chlorobenzene	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Chloroethane	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Chloroform	7 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Chloromethane	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
cis-1,2-Dichloroethene	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
cis-1,3-Dichloropropene	0.4 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Cyclohexane	NL	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Dibromochloromethane	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Dichlorodifluoromethane	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Isopropylbenzene	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Methyl acetate	NL	10	U	10	UJ	10	UJ	10	U	10	U	10	U	10	U
Methyl tert-butyl ether	10 g	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Methylcyclohexane	NL	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Methylene chloride	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Styrene	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Tetrachloroethene	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
trans-1,2-Dichloroethene	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
trans-1,3-Dichloropropene	0.4 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Trichloroethene	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Trichlorofluoromethane	5 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Vinyl chloride	2 s	10	U	10	U	10	U	10	U	10	U	10	U	10	U
Total VOCs (ug/L) (Note 2)	NL	---	U	---	U	---	U	**13**		**6.5**		---	U	---	U

Notes:
NL = Not Listed
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity
R = Rejected Value
Bold value - compound detected at concentration greater than the reporting limit**shaded** value - compound detected above regulatory guidance value.
s = Standard Value
g = Guidance Value
(Note 1) - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) - 6 NYCRR 703.5 [NYSDEC, 1998]
(Note 2) - Total VOCs include the BTEX compounds

Table 8
Groundwater SVOC Results
28 Pike Street SI, Port Jervis, New York

Sample Designation Laboratory Identification Date Sampled	NYSDEC Groundwater Guidance or Standard Value (Note 1)	TW3 C6G290164009 7/27/2006		TW5 C6F280229008 6/26/2006		TW6 C6FG290164006 7/27/2006		TW60 C6FG290164007 Duplicate	
PAH Compounds (ug/L)									
2-Methylnaphthalene	NL	9.5	U	9.8	U	10	U	9.9	U
Acenaphthene	20 g	9.5	U	9.8	U	**12**		**12**	
Acenaphthylene	NL	9.5	U	9.8	U	10	U	9.9	U
Anthracene	50 g	9.5	U	9.8	U	**1.4**	**J**	**1.5**	**J**
Benzo(a)anthracene	0.002 g	9.5	U	9.8	U	10	U	9.9	U
Benzo(a)pyrene	ND	9.5	U	9.8	U	10	U	9.9	U
Benzo(b)fluoranthene	0.002 g	9.5	U	9.8	U	10	U	9.9	U
Benzo(ghi)perylene	NL	9.5	U	9.8	U	10	U	9.9	U
Benzo(k)fluoranthene	0.002 g	9.5	U	9.8	U	10	U	9.9	U
Chrysene	0.002 g	9.5	U	9.8	U	10	U	9.9	U
Dibenz(a,h)anthracene	NL	9.5	U	9.8	U	10	U	9.9	U
Fluoranthene	50 g	9.5	U	9.8	U	10	U	**1.1**	**J**
Fluorene	50 g	9.5	U	9.8	U	**4.5**	**J**	**4.6**	**J**
Indeno(1,2,3-cd)pyrene	0.002 g	9.5	U	9.8	U	10	U	9.9	U
Naphthalene	10 g	9.5	U	9.8	U	10	U	9.9	U
Phenanthrene	50 g	9.5	U	9.8	U	10	U	9.9	U
Pyrene	50 g	9.5	U	9.8	U	**1.2**	**J**	**1.4**	**J**
Total PAHs (ug/L)	NL	---	**U**	---	**U**	**17.1**		**17**	
Other SVOCs (ug/L)									
1,1'-Biphenyl	5 s	9.5	U	9.8	U	10	U	9.9	U
2,2'-oxybis(1-Chloropropane)	NL	9.5	U	9.8	U	10	U	9.9	U
2,4,5-Trichlorophenol	NL	24	U	24	U	25	U	25	U
2,4,6-Trichlorophenol	NL	9.5	U	9.8	U	10	U	9.9	U
2,4-Dichlorophenol	5 s	9.5	U	9.8	U	10	U	9.9	U
2,4-Dimethylphenol	50 g	9.5	U	9.8	U	10	U	9.9	U
2,4-Dinitrophenol	10 g	24	U	24	U	25	U	25	U
2,4-Dinitrotoluene	5 s	9.5	U	9.8	U	10	U	9.9	U
2,6-Dinitrotoluene	5 s	9.5	U	9.8	U	10	U	9.9	U
2-Chloronaphthalene	10 g	9.5	U	9.8	U	10	U	9.9	U
2-Chlorophenol	NL	9.5	U	9.8	U	10	U	9.9	U
2-Methylphenol	NL	9.5	U	9.8	U	10	U	9.9	U
2-Nitroaniline	5 s	24	U	24	U	25	U	25	U
2-Nitrophenol	NL	9.5	U	9.8	U	10	U	9.9	U
3,3'-Dichlorobenzidine	5 s	9.5	U	9.8	U	10	U	9.9	U
3-Nitroaniline	5 s	24	U	24	U	25	U	25	U
4,6-Dinitro-2-methylphenol	NL	24	U	24	U	25	U	25	U
4-Bromophenyl phenyl ether	NL	9.5	U	9.8	U	10	U	9.9	U
4-Chloro-3-methylphenol	NL	9.5	U	9.8	U	10	U	9.9	U
4-Chloroaniline	5 s	9.5	U	9.8	U	10	U	9.9	U
4-Chlorophenyl phenyl ether	NL	9.5	U	9.8	U	10	U	9.9	U
4-Methylphenol	NL	9.5	U	9.8	U	10	U	9.9	U
4-Nitroaniline	5 s	24	U	24	U	25	U	25	U
4-Nitrophenol	NL	24	U	24	U	25	U	25	U
Acetophenone	NL	9.5	U	9.8	U	10	U	9.9	U
Atrazine	7.5 s	9.5	U	9.8	U	10	U	9.9	U
Benzaldehyde	NL	9.5	U	9.8	U	10	U	9.9	U
bis(2-Chloroethoxy)methane	5 s	9.5	U	9.8	U	10	U	9.9	U
bis(2-Chloroethyl) ether	1 s	9.5	U	9.8	U	10	U	9.9	U
bis(2-Ethylhexyl) phthalate	5 s	9.5	U	**2.2**	**J**	10	U	9.9	U
Butyl benzyl phthalate	50 g	9.5	U	9.8	U	10	U	9.9	U
Caprolactam	NL	**2.5**	**J**	**2.9**	**J**	**3.3**	**J**	**5.2**	**J**
Carbazole	NL	9.5	U	9.8	U	10	U	9.9	U
Di-n-butyl phthalate	50 s	9.5	U	9.8	U	10	U	9.9	U
Di-n-octyl phthalate	NL	9.5	U	9.8	U	10	U	9.9	U
Dibenzofuran	NL	9.5	U	9.8	U	10	U	9.9	U
Diethyl phthalate	50 g	9.5	U	9.8	U	10	U	9.9	U
Dimethyl phthalate	50 g	9.5	U	9.8	U	10	U	9.9	U
Hexachlorobenzene	0.4 s	9.5	U	9.8	U	10	U	9.9	U
Hexachlorobutadiene	0.5 s	9.5	U	9.8	U	10	U	9.9	U
Hexachlorocyclopentadiene	5 s	9.5	U	9.8	U	10	U	9.9	U
Hexachloroethane	5 s	9.5	U	9.8	U	10	U	9.9	U
Isophorone	50 g	9.5	U	9.8	U	10	U	9.9	U
N-Nitrosodi-n-propylamine	50 g	9.5	U	9.8	U	10	U	9.9	U
N-Nitrosodiphenylamine	50 g	9.5	U	9.8	U	10	U	9.9	U
Nitrobenzene	0.4	9.5	U	9.8	U	10	U	9.9	U
Pentachlorophenol	1 s	24	U	24	U	25	U	25	U
Phenol	1 s	9.5	U	9.8	U	10	U	9.9	U
Total SVOCs (ug/L) (Note 2)	**NL**	**2.5**		**5.1**		**20**		**23**	

Notes:
NA = Not Analyzed
NL = Not Listed
U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.
J = The associated numerical value is an estimated quantity.
Bold value - compound detected at concentration greater than the reporting limit, **shaded** value - compound detected above regulatory guidance value.
s = Standard Value
g = Guidance Value
(Note 1) - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) - 6 NYCRR 703.5 [NYSDEC, 1998].
(Note 2) - Total for SVOCs inlcudes PAHs.
cPAHs - Carcinogenic PAHs are shown in bold and italics.

Table 9
Groundwater Metals and Cyanide Results
28 Pike Street SI, Port Jervis, New York

Sample Designation Laboratory Identification Date Sampled	NYSDEC Groundwater Guidance or Standard Value (Note 1)	TW3 C6G290164009 7/27/2006		TW4 C6F280229007 6/26/2006		TW5 C6F280229008 6/26/2006		TW6 C6FG290164006 7/27/2006		TW60 C6FG290164007 Duplicate	
Metals (ug/L)											
Aluminum	NL	**25500**		**356**	**J**	**2130**	**J**	**51100**		**50000**	
Antimony	3 s	60	U	60	U	60	U	60	U	60	U
Arsenic	25 s	**9.4**	**J**	**1.6**	**J**	10	U	**12.3**		**12**	
Barium	1,000 s	**282**		200	U	200	U	**600**		**620**	
Beryllium	3 g	**1.3**	**J**	5	U	5	U	**2.6**	**J**	**2.8**	**J**
Cadmium	5 s	5	U	5	U	5	U	5	U	5	U
Calcium	NL	**14600**		**29300**		**20400**		**17300**		**17400**	
Chromium	50 s	**19.8**		**0.95**	**J**	**1.9**	**J**	**49.1**		**45.7**	
Cobalt	NL	**12.4**	**J**	50	U	50	U	**33.2**	**J**	**32.8**	**J**
Copper	200 s	**37.3**		25	U	**0.92**	**J**	**125**		**122**	
Iron	300 s	**27500**		**487**		**1910**		**48400**		**46700**	
Lead	25 s	**20.2**		3	U	3	U	**124**		**120**	
Magnesium	35,000 s	**5880**		**1860**	**J**	**2490**	**J**	**9810**		**9650**	
Manganese	300 s	**1360**		**26.3**		**77.1**		**1000**		**1020**	
Mercury	0.7 s	**0.062**	**J**	0.2	U	0.2	U	**0.65**		**0.69**	
Nickel	100 s	**29.4**	**J**	40	U	**2.4**	**J**	**69.3**		**66.3**	
Potassium	NL	**6810**		**5430**		5000	U	**9440**		**9570**	
Selenium	10 s	5	U	5	U	**1.9**	**J**	**6.5**	**J**	**5.8**	**J**
Silver	50 s	10	U	10	U	10	U	**0.49**	**J**	**0.7**	**J**
Sodium	20,000 s	**39700**		**31100**		**31800**		**30300**		**30800**	
Thallium	0.5 g	10	U	**4.8**	**J**	10	U	10	U	10	U
Vanadium	NL	**28.1**	**J**	50	U	50	U	**49.5**	**J**	**49.4**	**J**
Zinc	2,000 g	**133**		20	U	20	U	**597**		**642**	
Total Cyanide (ug/L)	200 s	10	U	10	U	10	U	10	U	10	U

Notes:

NL = Not Listed

U = The material was analyzed for but not detected at or above the reporting limit. The associated numerical value is the sample quantitation limit.

J = The associated numerical value is an estimated quantity.

Bold value - compound detected at concentration greater than the reporting limit, **shaded** value - compound detected above regulatory guidance value.

s = Standard Value

g = Guidance Value

Note(1) - Guidance or Standard Values - NYSDEC, Division of Water, TOGS (1.1.1) - 6 NYCRR 703.5 [NYSDEC, 1998].

Table 10
Soil Gas, and Indoor and Ambient Air Results
28 Pike Street SI, Port Jervis, New York

Sample Location	28 Pike Street Basement			First Floor		Outdoor	NYSDOH Background Indoor Air Values[3]	
Type of Sample	Soil Vapor	Soil Vapor	Indoor Air	Indoor Air	Indoor Air	Ambient		
Sampling Date	6/26/2006	6/26/2006	6/26/2006	6/26/2006	6/26/2006	6/26/2006		
Laboratory ID	0606679B-06A	0606679B-05A	0606679A-01A	0606679A-03A	0606679A-04A	0606679A-02A	75th Percentile	90th Percentile
Compound / Sample ID	GRSG3	GRSG4	GRIA4	GRIA3	GRIA3DUP	GRAMBUP		
Possibly MGP Related or Other Sources [1]								
1,2,4-Trimethylbenzene	**1.0**	0.79 U	7.8 U	12 U	14 U	**1.2**	4.3	9.5
1,3,5-Trimethylbenzene	0.75 U	0.79 U	7.8 U	12 U	14 U	0.75 U	1.7	3.6
2,2,4-Trimethylpentane	3.6 U	3.8 U	37 U	56 U	65 U	3.6 U	NA	NA
2,3-Dimethylpentane	3.1 U	3.3 U	32 U	49 U	57 U	3.1 U	2.2	7.5
2-Methylpentane	**15**	**3.1**	28 U	**71**	**70**	2.7 U	NA	NA
4-Ethyltoluene	3.7 U	4.0 U	39 U	59 U	68 U	3.7 U	NA	NA
Benzene	**2.6**	**1.4**	**14**	**49**	**39**	**1.8**	5.9	15
Carbon Disulfide	**5.8**	**13**	25 U	37 U	43 U	2.4 U	NA	NA
Cyclohexane	2.6 U	2.8 U	27 U	41 U	48 U	2.6 U	2.6	8.1
Ethylbenzene	**1.0**	0.70 U	6.9 U	10 U	12 U	**0.93**	2.8	7.4
Heptane	3.1 U	3.3 U	32 U	**54**	57 U	3.1 U	7.6	19
Hexane	**9.0**	**3.3**	28 U	**78**	**76**	2.7 U	6	18
Indan	3.7 U	3.9 U	38 U	58 U	67 U	3.7 U	NA	NA
Indene	3.6 U	3.8 U	38 U	57 U	66 U	3.6 U	NA	NA
Isopentane	**97 J**	**21 J**	**240 J**	**360 J**	**370 J**	**7.8 J**	NA	NA
Naphthalene	4.0 U	4.2 U	41 U	63 U	73 U	4.0 U	NA	NA
Styrene	0.65 U	0.68 U	6.7 U	10 U	12 U	0.65 U	0.64	1.3
Thiophene	2.6 U	2.8 U	27 U	41 U	48 U	2.6 U	NA	NA
Toluene	**9.9**	**3.6**	**14**	**34 J**	**47 J**	**5.8**	24.8	58
m/p-Xylenes	**3.6**	**1.3**	6.9 U	**11**	**13**	**2.8**	4.6	12
o-Xylene	**1.1**	0.70 U	6.9 U	10 U	12 U	**1.1**	3.1	7.6
Not MGP Related [2]								
1,1,1-Trichloroethane	0.83 U	0.88 U	8.6 U	13 U	15 U	0.83 U	1.4	3.5
1,1,2,2-Tetrachloroethane	1.0 U	1.1 U	11 U	16 U	19 U	1.0 U	<0.25	<0.25
1,1,2-Trichloroethane	0.83 U	0.88 U	8.6 U	13 U	15 U	0.83 U	<0.25	<0.25
1,1-Dichloroethane	0.62 U	0.65 U	6.4 U	9.7 U	11 U	0.62 U	<0.25	<0.25
1,1-Dichloroethene	0.60 U	0.64 U	6.3 U	9.5 U	11 U	0.60 U	<0.25	<0.25
1,2,4-Trichlorobenzene	5.6 U	6.0 U	59 U	89 U	100 U	5.6 U	<0.25	3.4
1,2-Dibromoethane (EDB)	1.2 U	1.2 U	12 U	18 U	21 U	1.2 U	<0.25	<0.25
1,2-Dichlorobenzene	0.91 U	0.97 U	9.5 U	14 U	17 U	0.91 U	<0.25	0.72
1,2-Dichloroethane	0.62 U	0.65 U	6.4 U	9.7 U	11 U	0.62 U	<0.25	<0.25
1,2-Dichloropropane	0.70 U	0.74 U	7.3 U	11 U	13 U	0.70 U	<0.25	<0.25
1,3-Butadiene	1.7 U	**1.9**	17 U	26 U	31 U	1.7 U	NA	NA
1.3-Dichlorobenzene	0.91 U	0.97 U	9.5 U	14 U	17 U	0.91 U	<0.25	0.6
1,4-Dichlorobenzene	0.91 U	0.97 U	9.5 U	14 U	17 U	0.91 U	0.54	1.3
1,4-Dioxane	2.7 U	2.9 U	28 U	43 U	50 U	2.7 U	NA	NA
2-Butanone (MEK)	**4.7 J**	**12 J**	23 U	35 U	41 U	2.2 U	7.3	16
2-Hexanone	3.1 U	3.3 U	32 U	49 U	57 U	3.1 U	NA	NA
4-Methyl-2-pentanone	3.1 U	3.3 U	32 U	49 U	57 U	3.1 U	0.86	2.2
Acetone	**17**	**54**	**28**	**83**	**68**	**13**	52	110
Benzyl chloride	0.79 U	0.83 U	8.2 U	12 U	14 U	0.79 U	NA	NA
Bromodichloromethane	5.1 U	5.4 U	53 U	80 U	93 U	5.1 U	NA	NA
Bromoform	7.8 U	8.3 U	82 U	120 U	140 U	7.8 U	NA	NA
Bromomethane	0.59 U	0.62 U	6.1 U	9.3 U	11 U	0.59 U	<0.25	0.6
Carbon Tetrachloride	0.96 U	1.0 U	9.9 U	15 U	17 U	0.96 U	0.59	0.81
Chlorobenzene	0.70 U	0.74 U	7.3 U	11 U	13 U	0.70 U	<0.25	<0.25
Chloroethane	0.40 UJ	0.42 UJ	4.2 UJ	6.3 UJ	7.3 UJ	0.40 UJ	<0.25	<0.25
Chloroform	0.74 U	**1.8**	7.7 U	12 U	14 U	**0.75**	0.54	1.4
Chloromethane	**0.46**	0.33 U	3.3 U	5.0 U	5.7 U	**1.5**	1.8	3.3
cis-1,2-Dichloroethene	0.60 U	0.64 U	6.3 U	9.5 U	11 U	0.60 U	<0.25	<0.25
cis-1,3-Dichloropropene	0.69 U	0.73 U	7.2 U	11 U	13 U	0.69 U	<0.25	<0.25
Dibromochloromethane	6.5 U	6.8 U	67 U	100 U	120 U	6.5 U	NA	NA
Ethanol	**42**	**13**	**900**	**1600**	**1500**	**18**	540	1400
Trichlorofluoromethane (Freon 11)	**68**	**250**	8.9 U	13 U	16 U	**1.6**	5.4	17
1,1,2-Trichlorotrifluoroethane (Freon 113)	1.2 U	1.2 U	12 U	18 U	21 U	1.2 U	1.1	1.8
1,2-Dichlorotetrafluoroethane	1.1 U	1.1 U	11 U	17 U	19 U	1.1 U	<0.25	0.52
Dichlorodifluoromethane (Freon 12)	**5.9**	**3.4**	7.8 U	12 U	14 U	**2.9**	4.1	15
Hexachlorobutadiene (C-46)	8.1 U	8.6 U	84 U	130 U	150 U	8.1 U	<0.25	4.6
Methyl tert-Butyl Ether	2.7 U	2.9 U	**3.4 J**	43 U	50 U	2.7 U	5.6	27
Methylene Chloride (Dichloromethane)	**0.98**	0.56 U	5.5 U	8.3 U	9.6 U	0.53 U	6.6	22
2-Propanol	**2.5**	2.0 U	19 U	29 U	34 U	1.9 U	NA	NA
Propene	1.3 U	**12**	14 U	21 U	24 U	1.3 U	NA	NA
Tetrachloroethene	**160**	**110**	**28**	16 U	19 U	1.0 U	1.1	2.9
Tetrahydrofuran	2.2 U	2.4 U	23 U	35 U	41 U	2.2 U	0.35	3.3
Trans-1,2-Dichloroethene	3.0 U	3.2 U	31 U	48 U	55 U	3.0 U	NA	NA
Trans-1,3-Dichloropropene	0.69 U	0.73 U	7.2 U	11 U	13 U	0.69 U	<0.25	<0.25
Trichloroethene	0.82 U	0.86 U	8.5 U	13 U	15 U	0.82 U	<0.25	0.48
Vinyl Chloride	0.39 U	0.41 U	4.0 U	6.1 U	7.1 U	0.39 U	<0.25	<0.25

Notes:

All units in micrograms per cubic meter (µg/m³)

1 - These compounds may be related to either MGP sources or non-MGP sources, or both. MGP sources include MGP tars and petroleum feedstocks used in MGP processes, such as the carburetted water gas process. Non-MGP sources include cleaning products, floor wax and polish, vehicle exhaust, construction materials, and cigarette smoke.

2 - These compounds are not related to MGP sources and are present due to non-MGP sources, such as vehicle exhaust, heating and air conditioning systems, cleaning agents, art supplies, paints, etc.

3 - New York State Department of Health, November 14, 2005.

Dup - As suffix on Sample ID indicates that the sample is a field duplicate.

NA - Not Available. No data available for background concentrations of these compounds.

U - Not detected at the detection limit indicated.

J - Estimated Concentration.

Bold - Detected

Exceeds NYSDOH Background Indoor Air Values 75th Percentile

Exceeds NYSDOH Background Indoor Air Values 90th Percentile

Table 11
Soil Gas, and Indoor and Ambient Air Results
28 Pike Street RI and SI, Port Jervis, New York

Sample Location	Basement - Boiler Room		Main Basement Area					First Floor			Outdoor			NYSDOH Background Indoor Air Values[3]	
Type of Sample	Soil Vapor	Soil Vapor	Soil Vapor	Soil Vapor	Indoor Air	Duplicate	Indoor Air	Indoor Air	Indoor Air	Duplicate	Ambient	Ambient	Ambient		
Sampling Date	6/22/2004	6/26/2006	6/22/2004	6/26/2006	6/22/2004	6/22/2004	6/26/2006	6/22/2004	6/26/2006	6/26/2006	6/22/2004	6/22/2004	6/26/2006		
Laboratory ID	0406427-06A	0606679B-06A	0406427-07A	0606679B-05A	0406427-03A	0406427-04A	0606679A-01A	0406427-05A	0606679A-03A	0606679A-04A	0406427-01A	0406427-02A	0606679A-02A		
Compound / Sample ID	GRSG1	GRSG3	GRSG2	GRSG4	GRIA1	GRIA1-FD	GRIA4	GRIA2	GRIA3	GRIA3DUP	GRAMB-1	GRAMB-2	GRAMBUP	75th Percentile	90th Percentile
Possibly MGP Related or Other Sources [1]															
1,2,4-Trimethylbenzene	**9.3**	**1.0**	**8.3**	0.79 U	4.5 U	3.6 U	7.8 U	**3.5**	12 U	14 U	**1.8**	**2.0**	**1.2**	4.3	9.5
1,3,5-Trimethylbenzene	4.0 U	0.75 U	**2.6**	0.79 U	4.5 U	3.6 U	7.8 U	**1.2**	12 U	14 U	0.82 U	0.82 U	0.75 U	1.7	3.6
2,2,4-Trimethylpentane	19 U	3.6 U	10 U	3.8 U	21 U	17 U	37 U	4.2 U	56 U	65 U	3.9 U	3.9 U	3.6 U	NA	NA
2,3-Dimethylpentane	17 U	3.1 U	8.7 U	3.3 U	19 U	15 U	32 U	3.6 U	49 U	57 U	3.4 U	3.4 U	3.1 U	2.2	7.5
2-Methylpentane	**22**	**15**	**16**	**3.1**	16 U	13 U	28 U	**9.5**	**71**	**70**	**3.3**	**3.5**	2.7 U	NA	NA
4-Ethyltoluene	20 U	3.7 U	10 U	4.0 U	22 U	18 U	39 U	4.4 U	59 U	68 U	4.1 U	4.1 U	3.7 U	NA	NA
Benzene	**8.9**	**2.6**	**7.3**	**1.4**	**7.4**	**6.9**	**14**	**8.7**	**49**	**39**	**3.2**	**3.0**	**1.8**	5.9	15
Carbon Disulfide	13 U	**5.8**	**16**	**13**	14 U	11 U	25 U	2.8 U	37 U	43 U	**6.8**	2.6 U	2.4 U	NA	NA
Cyclohexane	14 U	2.6 U	7.3 U	2.8 U	16 U	12 U	27 U	3.1 U	41 U	48 U	2.9 U	2.9 U	2.6 U	2.6	8.1
Ethylbenzene	**10**	**1.0**	**9.7**	0.70 U	3.9 U	3.2 U	6.9 U	**2.0**	10 U	12 U	**1.6**	**1.8**	**0.93**	2.8	7.4
Heptane	17 U	3.1 U	8.7 U	3.3 U	19 U	15 U	32 U	**5.1**	**54**	57 U	3.4 U	3.4 U	3.1 U	7.6	19
Hexane	14 U	**9.0**	**11**	**3.3**	16 U	13 U	28 U	**7.8**	**78**	**76**	2.9 U	2.9 U	2.7 U	6	18
Indan	20 U	3.7 U	10 U	3.9 U	22 U	18 U	38 U	4.3 U	58 U	67 U	4.0 U	4.0 U	3.7 U	NA	NA
Indene	19 U	3.6 U	10 U	3.8 U	22 U	17 U	38 U	4.2 U	57 U	66 U	4.0 U	4.0 U	3.6 U	NA	NA
Isopentane	**58**	**97 J**	**46**	**21 J**	**390**	**350**	**240 J**	**82**	**360 J**	**370 J**	**11**	**12**	**7.8 J**	NA	NA
Naphthalene	21 U	4.0 U	11 U	4.2 U	24 U	19 U	41 U	4.7 U	63 U	73 U	4.4 U	4.4 U	4.0 U	NA	NA
Styrene	3.5 U	0.65 U	1.8 U	0.68 U	**5.1**	**4.8**	6.7 U	**2.3**	10 U	12 U	0.71 U	0.71 U	0.65 U	0.64	1.3
Thiophene	14 U	2.6 U	7.3 U	2.8 U	16 U	12 U	27 U	3.1 U	41 U	48 U	2.9 U	2.9 U	2.6 U	NA	NA
Toluene	**69**	**9.9**	**60**	**3.6**	**10**	**9.2**	**14**	**11**	**34 J**	**47 J**	**8.7**	**8.9**	**5.8**	24.8	58
m/p-Xylenes	**27**	**3.6**	**26**	**1.3**	**7.9**	**5.9**	6.9 U	**6.6**	**11**	**13**	**5.3**	**5.7**	**2.8**	4.6	12
o-Xylene	**9.2**	**1.1**	**8.4**	0.70 U	4.0 U	3.2 U	6.9 U	**2.4**	10 U	12 U	**1.8**	**1.9**	**1.1**	3.1	7.6
Not MGP Related [2]															
1,1,1-Trichloroethane	4.5 U	0.83 U	2.3 U	0.88 U	5.0 U	4.0 U	8.6 U	0.97 U	13 U	15 U	0.91 U	0.91 U	0.83 U	1.4	3.5
1,1,2,2-Tetrachloroethane	5.6 U	1.0 U	2.9 U	1.1 U	6.2 U	5.0 U	11 U	1.2 U	16 U	19 U	1.1 U	1.1 U	1.0 U	<0.25	<0.25
1,1,2-Trichloroethane	4.5 U	0.83 U	2.3 U	0.88 U	5.0 U	4.0 U	8.6 U	0.97 U	13 U	15 U	0.91 U	0.91 U	0.83 U	<0.25	<0.25
1,1-Dichloroethane	3.3 U	0.62 U	1.7 U	0.65 U	3.7 U	2.9 U	6.4 U	0.72 U	9.7 U	11 U	0.67 U	0.67 U	0.62 U	<0.25	<0.25
1,1-Dichloroethene	3.2 U	0.60 U	1.7 U	0.64 U	3.6 U	2.9 U	6.3 U	0.70 U	9.5 U	11 U	0.66 U	0.66 U	0.60 U	<0.25	<0.25
1,2,4-Trichlorobenzene	30 UJ	5.6 U	16 UJ	6.0 U	34 U	27 U	59 U	6.6 U	89 U	100 U	6.2 U	6.2 U	5.6 U	<0.25	3.4
1,2-Dibromoethane (EDB)	6.3 U	1.2 U	3.3 U	1.2 U	7.0 U	5.6 U	12 U	1.4 U	18 U	21 U	1.3 U	1.3 U	1.2 U	<0.25	<0.25
1,2-Dichlorobenzene	4.9 U	0.91 U	2.6 U	0.97 U	5.5 U	4.4 U	9.5 U	1.1 U	14 U	17 U	1.0 U	1.0 U	0.91 U	<0.25	0.72
1,2-Dichloroethane	3.3 U	0.62 U	1.7 U	0.65 U	3.7 U	2.9 U	6.4 U	0.72 U	9.7 U	11 U	0.67 U	0.67 U	0.62 U	<0.25	<0.25
1,2-Dichloropropane	3.8 U	0.70 U	2.0 U	0.74 U	4.2 U	3.4 U	7.3 U	0.82 U	11 U	13 U	0.77 U	0.77 U	0.70 U	<0.25	<0.25
1,3-Butadiene	9.0 U	1.7 U	4.7 U	**1.9**	10 U	8.0 U	17 U	**3.0**	26 U	31 U	1.8 U	1.8 U	1.7 U	NA	NA
1,3-Dichlorobenzene	4.9 U	0.91 U	2.6 U	0.97 U	5.5 U	4.4 U	9.5 U	1.1 U	14 U	17 U	1.0 U	1.0 U	0.91 U	<0.25	0.6
1,4-Dichlorobenzene	4.9 U	0.91 U	2.6 U	0.97 U	5.5 U	4.4 U	9.5 U	1.1 U	14 U	17 U	1.0 U	1.0 U	0.91 U	0.54	1.3
1,4-Dioxane	15 U	2.7 U	7.7 U	2.9 U	16 U	13 U	28 U	3.2 U	43 U	50 U	3.0 U	3.0 U	2.7 U	NA	NA
2-Butanone (MEK)	**22**	**4.7 J**	**19**	**12 J**	13 U	11 U	23 U	**3.3**	35 U	41 U	**2.5**	**3.2**	2.2 U	7.3	16
2-Hexanone	17 U	3.1 U	8.7 U	3.3 U	19 U	15 U	32 U	3.6 U	49 U	57 U	3.4 U	3.4 U	3.1 U	NA	NA
4-Methyl-2-pentanone	17 U	3.1 U	8.7 U	3.3 U	19 U	15 U	32 U	3.6 U	49 U	57 U	3.4 U	3.4 U	3.1 U	0.86	2.2
Acetone	**120**	**17**	**110**	**54**	**27**	**24**	**28**	**23**	**83**	**68**	**13**	**19**	**13**	52	110
Benzyl chloride	4.2 U	0.79 U	2.2 U	0.83 U	4.7 U	3.8 U	8.2 U	0.92 U	12 U	14 U	0.86 U	0.86 U	0.79 U	NA	NA
Bromodichloromethane	27 U	5.1 U	14 U	5.4 U	30 U	24 U	53 U	6.0 U	80 U	93 U	5.6 U	5.6 U	5.1 U	NA	NA
Bromoform	42 U	7.8 U	22 U	8.3 U	47 U	38 U	82 U	9.2 U	120 U	140 U	8.6 U	8.6 U	7.8 U	NA	NA
Bromomethane	3.2 U	0.59 U	1.6 U	0.62 U	3.5 U	2.8 U	6.1 U	0.69 U	9.3 U	11 U	0.65 U	0.65 U	0.59 U	<0.25	0.6
Carbon Tetrachloride	5.1 U	0.96 U	2.7 U	1.0 U	5.7 U	4.6 U	9.9 U	1.1 U	15 U	17 U	1.0 U	1.0 U	0.96 U	0.59	0.81
Chlorobenzene	3.8 U	0.70 U	2.0 U	0.74 U	4.2 U	3.4 U	7.3 U	0.82 U	11 U	13 U	0.77 U	0.77 U	0.70 U	<0.25	<0.25
Chloroethane	2.2 U	0.40 UJ	1.1 U	0.42 UJ	2.4 U	1.9 U	4.2 UJ	0.47 U	6.3 UJ	7.3 UJ	0.44 U	0.44 U	0.40 UJ	<0.25	<0.25
Chloroform	4.0 U	0.74 U	**3.8**	**1.8**	4.4 U	3.6 U	7.7 U	**1.3**	12 U	14 U	0.81 U	0.81 U	**0.75**	0.54	1.4
Chloromethane	1.7 U	**0.46**	0.88 U	0.33 U	3.5	1.5 U	3.3 U	**1.8**	5.0 U	5.7 U	**1.2**	**1.4**	**1.5**	1.8	3.3
cis-1,2-Dichloroethene	3.2 U	0.60 U	1.7 U	0.64 U	3.6 U	2.9 U	6.3 U	0.70 U	9.5 U	11 U	0.66 U	0.66 U	0.60 U	<0.25	<0.25
cis-1,3-Dichloropropene	3.7 U	0.69 U	1.9 U	0.73 U	4.1 U	3.3 U	7.2 U	0.81 U	11 U	13 U	0.76 U	0.76 U	0.69 U	<0.25	<0.25
Dibromochloromethane	35 U	6.5 U	18 U	6.8 U	39 U	31 U	67 U	7.6 U	100 U	120 U	7.1 U	7.1 U	6.5 U	NA	NA
Ethanol	7.7 U	**42**	**11**	**13**	**740 J**	**790 J**	**900**	**1200 J**	**1600**	**1500**	**6.1**	**7.5**	**18**	540	1400
Trichlorofluoromethane (Freon 11)	**61**	**68**	**130**	**250**	**6.9**	**6.8**	8.9 U	**7.6**	13 U	16 U	**1.8**	**1.9**	**1.6**	5.4	17
1,1,2-Trichlorotrifluoroethane (Freon 113)	6.3 U	1.2 U	3.3 U	1.2 U	7.0 U	5.6 U	12 U	1.4 U	18 U	21 U	1.3 U	1.3 U	1.2 U	1.1	1.8
1,2-Dichlorotetrafluoroethane	5.7 U	1.1 U	3.0 U	1.1 U	6.4 U	5.1 U	11 U	1.2 U	17 U	19 U	1.2 U	1.2 U	1.1 U	<0.25	0.52
Dichlorodifluoromethane (Freon 12)	**7.9**	**5.9**	**11**	**3.4**	**13**	**12**	7.8 U	**19**	12 U	14 U	**2.6**	**4.0**	**2.9**	4.1	15
Hexachlorobutadiene (C-46)	44 UJ	8.1 U	23 UJ	8.6 U	48 U	39 U	84 U	9.5 U	130 U	150 U	8.9 U	8.9 U	8.1 U	<0.25	4.6
Methyl tert-Butyl Ether	15 U	2.7 U	**9.0**	2.9 U	16 U	13 U	**3.4 J**	3.2 U	43 U	50 U	3.0 U	**3.3**	2.7 U	5.6	27
Methylene Chloride (Dichloromethane)	**5.3**	**0.98**	1.5 U	0.56 U	3.2 U	2.5 U	5.5 U	**0.84**	8.3 U	9.6 U	**0.97**	**0.81**	0.53 U	6.6	22
2-Propanol	**13**	**2.5**	**13**	2.0 U	11 U	8.9 U	19 U	**3.1**	29 U	34 U	2.0 U	2.0 U	1.9 U	NA	NA
Propene	7.0 U	1.3 U	3.7 U	**12**	7.8 U	6.3 U	14 U	1.5 U	21 U	24 U	1.4 U	1.4 U	1.3 U	NA	NA
Tetrachloroethene	**28**	**160**	**24**	**110**	6.2 U	**18**	**28**	1.2 U	16 U	19 U	1.1 U	1.1 U	1.0 U	1.1	2.9
Tetrahydrofuran	**19**	2.2 U	**13**	2.4 U	13 U	11 U	23 U	2.6 U	35 U	41 U	2.4 U	2.4 U	2.2 U	0.35	3.3
Trans-1,2-Dichloroethene	16 U	3.0 U	8.5 U	3.2 U	18 U	14 U	31 U	3.5 U	48 U	55 U	3.3 U	3.3 U	3.0 U	NA	NA
Trans-1,3-Dichloropropene	3.7 U	0.69 U	1.9 U	0.73 U	4.1 U	3.3 U	7.2 U	0.81 U	11 U	13 U	0.76 U	0.76 U	0.69 U	<0.25	<0.25
Trichloroethene	4.4 U	0.82 U	2.3 U	0.86 U	4.9 U	3.9 U	8.5 U	0.96 U	13 U	15 U	0.90 U	0.90 U	0.82 U	<0.25	0.48
Vinyl Chloride	2.1 U	0.39 U	1.1 U	0.41 U	2.3 U	1.9 U	4.0 U	0.45 U	6.1 U	7.1 U	0.43 U	0.43 U	0.39 U	<0.25	<0.25

Notes:

All units in micrograms per cubic meter (µg/m³)

1 - These compounds may be related to either MGP sources or non-MGP sources, or both. MGP sources include MGP tars and petroleum feedstocks used in MGP processes, such as the carburetted water gas process. Non-MGP sources include cleaning products, floor wax and polish, vehicle exhaust, construction materials, and cigarette smoke.

2 - These compounds are not related to MGP sources and are present due to non-MGP sources, such as vehicle exhaust, heating and air conditioning systems, cleaning agents, art supplies, paints, etc.

3 - New York State Department of Health, November 14, 2005.

Dup - As suffix on Sample ID indicates that the sample is a field duplicate.

NA - Not Available. No data available for background concentrations of these compounds.

U - Not detected at the detection limit indicated.

J - Estimated Concentration.

Bold - Detected

Exceeds NYSDOH Background Indoor Air Values 75th Percentile

Exceeds NYSDOH Background Indoor Air Values 90th Percentile

Figures

File: J:\19643\SI_SAMP.dwg Layout: ANSI_BI User: mwilliamson Plotted: Sep 12, 2006 - 9:15am Xref's:

FORMER PIPE SHOP
MW14S
AMB2
STORM SEWER PIPE
KING STREET
FORMER GARAGE
SB1
FORMER DIESEL UST N
APPROXIMATE FORMER CANAL RACEWAY
TP9
GRAMB2
GRSB2/TW3
LSG8
BASEMENT BOILER ROOM
GRAMBUP (FRONT PORCH)
CONCRETE FLOOR
GRSG1
GRSG3
GRIA2 (FIRST FLOOR- RESTAURANT AREA)
LOADING DOCK
GRSB1/TW6
SS1
EARTHEN FLOOR
GRIA3 (FIRST FLOOR- RESTAURANT AREA)
28 PIKE STREET
BASEMENT WALK-IN COOLER
GRSS2
GRSG4
GRSG2
GRSB3/TW4
HA-1
BASEMENT STORAGE
GRIA4 (BASEMENT)
CONCRETE FLOOR
GRIA1 (BASEMENT)
BASEMENT STORAGE
FORMER TAR WELL S
SG2
IA2
COAL HOUSE
GRSS1
DP10
GRSB4/TW5
EARTHEN FLOOR
O&R OPERATIONS CENTER BUILDING
FORMER COAL HOUSE
PIKE STREET
SS4
GRAMB1
FORMER NAPHTHA AST I
DP11
MW15S
GENERATOR ROOM

N

5 0 10
1"=10'

LEGEND

GRSB3/TW4	SI TEMPORARY WELL/ SOIL BORING LOCATION
GRSB4	SI SOIL BORING LOCATION
GRSS1	SI SURFACE SOIL SAMPLE
GRSG4	SI SUB-FLOOR SOIL GAS SAMPLE
GRIA4	SI INDOOR AIR SAMPLE LOCATION
GRAMBUP	SI AMBIENT AIR SAMPLE LOCATION
DP10/SB1	PREVIOUS SOIL BORING LOCATION
SS4	PREVIOUS SURFACE SOIL SAMPLE
SG2	PREVIOUS SOIL GAS OR SUB-FLOOR SOIL GAS SAMPLE LOCATION
IA2	PREVIOUS INDOOR AIR SAMPLE LOCATION
GRAMB1	PREVIOUS AMBIENT AIR SAMPLE LOCATION
	APPROXIMATE PROPERTY LINE
	FENCE
TP4	PREVIOUS TEST PIT LOCATION
	EXISTING STRUCTURES
	SUBSURFACE OR HISTORIC STRUCTURES

RETEC

SOURCE: DONALD STEDGE PLS: 2000
LANGAN ENGINEERS PLS: 2003
ROBERT MURRAY PLS: 2004

PORT JERVIS
MGP SITE
ORAN2-19643

DATE: 9/12/06 | DRWN: MAW/BIL

SI SAMPLE LOCATIONS
28 PIKE STREET PROPERTY

PORT JERVIS, NEW YORK

FIGURE 1

APPENDIX A

NYSDOH Indoor Air Quality Questionnaire and Chemical and Product Inventory Form

NEW YORK STATE DEPARTMENT OF HEALTH
INDOOR AIR QUALITY QUESTIONNAIRE AND BUILDING INVENTORY
CENTER FOR ENVIRONMENTAL HEALTH

This form must be completed for each residence involved in indoor air testing.

Preparer's Name: Jesse Lloyd, Scott Hauswirth Date/Time Prepared: June 26, 2006

Preparer's Affiliation: The RETEC Group Phone No: 1-607-277-5716

Purpose of Investigation:
To evaluate current indoor air conditions and potential infiltration of soil gas to the indoor air.

1. OCCUPANT: Multiple

Interviewed: (Y) / N

Last Name: Codichini First Name: Rich and Mary

Address: 28 Pike Street, Port Jervis, New York 12771

County: Orange

Home Phone: (845) 856-3905 Office Phone:

Number of Occupants/persons at this location: Age of Occupants:

2. OWNER OR LANDLORD: (Check if same as occupant X)

Interviewed: (Y) / N

Last Name: Codichini First Name: Rich

Address: As Above

County:

Home Phone: Office Phone:

3. BUILDING CHARACTERISTICS

Type of Building: (Circle appropriate response)

Residential	School	(Commercial/Multi-use)
Industrial	Church	Other:

If the property is residential, type? (Circle appropriate response)

Ranch	2-Family	3-Family
Raised Ranch	Split Level	Colonial
Cape Cod	Contemporary	Mobile Home
Duplex	Apartment House	Townhouses/Condos
Modular	Log Home	(Other: Apartments above restaurant)

If multiple units, how many?

If the property is commercial, type?

Business Type(s): Restaurant

Does it include residences (i.e., multi-use)? (Y) / N If yes, how many? 4

Other characteristics:

Number of floors: 3 Building age: 1880s

Is the building insulated? Y / (N) How air tight? Tight / (Average) / Not Tight

4. AIRFLOW

Use air current tubes or tracer smoke to evaluate airflow pattern and qualitatively describe:

Airflow between floors:

No airflow observed at basement to first or first to second staircases.

Airflow near source:

Very slight upward flow in basement.

Outdoor air infiltration:

Some infiltration at kitchen door, very slight infiltration at front door.

Infiltration into air ducts:

None observed.

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (Circle all that apply)

a. Above grade construction:	(wood frame)	concrete	stone	brick
b. Basement type:	(full)	crawlspace	slab	other:
c. Basement floor:	(concrete)	(dirt)	stone	other:
d. Basement floor:	(uncovered)	covered	covered with:	
e. Concrete floor:	(unsealed)	sealed	sealed with:	
f. Foundation walls:	poured	block	(stone)	other:
g. Foundation walls:	(unsealed)	sealed	sealed with:	
h. The basement is:	wet	damp	(dry)	moldy
i. The basement is:	finished	(unfinished)	partly finished	
j. Sump present?	(Y) / N			
k. Water in sump?	Y / (N) / not applicable			

Basement/Lowest level depth below grade: 7 (feet)

Identify potential soil vapor entry points and approximate size. (e.g., cracks, utility ports, drains)

Large portion of basement floor is dirt, remainder is concrete in boiler room. Foundation walls are laid-up stone.

6. HEATING, VENTING and AIR CONDITIONING (Circle all that apply)

Type of heating system(s) used in this building: (circle all that apply – note primary)

(Hot air circulation)	Heat pump	Hot water baseboard	
Space Heaters	Stream radiation	Radiant floor	
Electric baseboard	Wood Stove	Outdoor wood boiler	Other:

The primary type of fuel used is:

(Natural Gas)	Fuel Oil	Kerosene
Electric	Propane	Solar
Wood	Coal	

Domestic hot water tank fueled by: Natural gas

Boiler/furnace located in:	(Basement)	Outdoor	Main Floor	Other:
Air conditioning:	(Central Air)	(Window units)	Open Windows	None

Are there air distribution ducts present? (Y) / N

Describe the supply and air return ductwork, and its condition where visible, including whether There is a cold air return and the tightness of duct joints. Indicate the locations on the floor plan diagram,

Ducts distribute hot air from natural gas furnace located in basement to upper floors.

7. OCCUPANCY

Is basement /lowest level occupied? Full-time Occasionally (Seldom) Almost Never

Level **General Use of Each Floor (e.g., familyroom, bedroom, laundry, workshop, storage)**

Basement: Storage, heating system

1st Floor: Restaurant, kitchen, tavern

2nd Floor: Apartments

3rd Floor: Apartments

4th Floor: NA

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY

a. Is there an attached garage? Y / (N)

b. Does the garage have a separate heating unit? Y / N / (NA)

c. Are petroleum-powered machines or vehicles stored in the garage? (e.g., lawnmower, atv, car) Y / N / (NA) Please specify

d. Has the building ever had a fire? Y / (N) When?

e. Is a kerosene or unvented gas space heater present? Y / (N) Where?

f. Is there a workshop or hobby/craft area? Y / (N) Where & Type?

g. Is there smoking in the building? Y / (N) How frequently?

h. Have cleaning products been used recently? (Y) / N When & Type? Kitchen cleaning products (degreasers, glass and surface cleaner)

i. Have cosmetic products been used recently? Y / N When & Type? Unknown

j. Has painting/staining been done in the last 6 months? Y / (N) Where & When?

k. Is there new carpet, drapes or other textiles? Y / (N) Where & When?

l. Have air fresheners been used recently? (Y) / N When & Type? Automatic air freshener in bathrooms

m. Is there a kitchen exhaust fan? (Y) / N If yes, where vented? North side of building

n. Is there a bathroom exhaust fan? (Y) / N If yes, where vented?

o. Is there a clothes dryer? Y / (N) If yes, is it vented outside? Y / N

p. Has there been a pesticide application? Y / (N) When & Type?

Are there odors in the building? (Y) / N

If yes, please describe: Food odors in kitchen (cooking oil, grease, spices), musty odor in basement, cleaning supply odor (ammonia-like, fragrances) in first floor store room, air freshener odor near bathrooms.

Do any of the building occupants use solvents at work? Y / (N)
(e.g., chemical manufacturing or laboratory, auto mechanic or auto body shop, painting, fuel oil delivery, boiler mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used?

If yes, are their clothes washed at work? Y / N

Do any of the building occupants regularly use or work at a dry-cleaning service? (Circle appropriate response)

Yes, use dry-cleaning regularly (weekly) No
Yes, use dry-cleaning infrequently (monthly or less) (Unknown)
Yes, work at a dry-cleaning service

Is there a radon mitigation system for the building/structure? Y / (N) Date of Installation:
Is the system active or passive? Active / Passive

9. WATER AND SEWAGE

Water Supply: (Public Water) Drilled Well Driven Well Dug Well Other:

Sewage Disposal: (Public Sewer) Septic Tank Leach Field Dry Well Other:

10. RELOCATION INFORMATION (for oil spill residential emergency)

a. Provide reasons why relocation is recommended:

b. Residents choose to: remain in home relocate to friends/family relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? Y / N

d. Relocation package provided and explained to residents? Y / N

28 Pike Street SI
Product and Chemical Inventory
6/27/2006

Product	Container Size	Container Condition	VOC Content	PID Reading
First Floor Storage Room				
Old English Oil	16 oz	Good	Not listed	0.0
Bissell Fabric and Upholstery Cleaner	12 oz	Good	Not listed	0.0
Zep Stainless Steel Cleaner	16 oz	Good	Petroleum distillates	0.0
All-in-One Metal Polish	8 oz	Good	Not listed	0.0
Apple Barrel Colors Craft Paint	8 oz	Good	Not listed	0.0
Xtra Pine	28 oz	Good	Pine oil	0.0
Brush It Contact Cement	1.7 oz	Good	Formaldehyde, ethanol, unknown	0.0
Jubilee Kitchen Wax	9 oz	Old can	Not listed	0.0
Future Floor Polish	27 oz	Good	Not listed	0.0
Brite Scuff Lifter	40 oz	Good	Not listed	0.0
Step Saver	27 oz	Good	Not listed	0.0
Mega Glass Floor Finish	1 gal	Good	Ethyl ether	0.0
UniKote Floor Cleaner	1 gal	Good	Acrylic copolymer	0.0
Formula 668 Stripper	1 gal	Good	Butoxy ethanol	0.0
Febreeze fabric refresher	2x 27 oz	Good	Not listed	0.0
Murphy's Oil Soap	32 oz	Good	Not listed	0.0
Maintenance Pro Furniture Polish	2x 16 oz	Good	Liquified Petroleum Gas	0.0
Orange Glow Wood Cleaner	2x 16 oz	Good	Not listed	0.0
Carpet/Textile Stain Digestor	32 oz	Good	Butyl ether	0.0
Comet with Bleach	25 oz	Good	Not listed	0.0
Kitchen				
Comet Spray Cleaner with Bleach	32 oz	Good	Perfume	0.0
Squeak'n Clean	12.5 oz	Good	Not listed	0.0
Red Devil Acrylic Caulk	10.1 oz	Good	Not listed	0.0
Dining Room/Bar				
20 Small oil lamps on tables	20, 1-3 oz	Good/ open to air	Petroleum products	0.0
Beer, wine, liquor	Varies	Good	Ethanol	0.0
Basement				
Keystone Grease Terminator	5x 8 oz	Good	Triethylene glycol	0.0
Blue Concentrate Multi-Purpose Cleaner	2x 64 oz	Good	Nonylphenol ethoxyglycol	0.0
A-1 Bleach	6x 1 gal	Good	NaOH, NaOCl	0.0
Crème Cleanser	2x 32 oz	Good	Alkyl-ammonium chloride	0.0
Sysco Green Detergent	1 x 1.25 gal	Good	Surfactants	0.0
Pot and Pan Detergents	4x 1 gal	Good	Surfactants	0.0
Heavy Duty Kitchen Cleaner	4 x 1 gal	Good	KOH	0.0
Super Trump	1 gal	Good	NaOH	0.0
Reliance Hand Soad	3x 1 gal	Good	No VOCs	0.0
Reliance Ammonia	2x 32 oz	Good	Ammonia	0.0
Easy Diamond Shine Floor Finish	2x 1 gal	Good	Not listed	0.0
Ultra Lime-Away	2x 1 gal	Good	Acids	0.0
Reliance Pine Oil Cleaner	8x 1 gal	Good	Pine oil	0.0
Ultra Klene	3x 1 gal	Good	NaOH	0.0
Stairway between Basement and First Floor				
MinWax Wood Finish	1/2 Pint	Container Covered in Stain	Petroleum products	0.0
Hot Shot Flying Insect Killer	16 oz	Good	Not listed	0.0
WD-40	2x 10 oz	Good	Toluene	0.0
Unlabelled Spray Bottle	16 oz	No label	No label	0.0
Raid Wasp and Hornet	17.5 oz	Good	Petroleum products	0.0

APPENDIX B

Soil Boring Logs

RETEC
1001 W Seneca St, Suite 204
Ithaca, NY 14850

Boring ID: GRSB1/TW6

Project Name:	28 Pike St. St, Port Jervis, New York	**Drilling Method:**	Hollow Stem Auger
Project Number:	ORAN2-19643-200	**Sampling Method:**	2 ft Split-spoon
Date Started:	July 27, 2006	**Ground Elevation (ft/msl):**	NA
Date Finished:	July 27, 2006	**Total Depth (ft):**	24 ft bgs
Drilling Company:	Nothnagle Drilling, Inc.	**Logged By:**	Jesse Lloyd

Depth (Feet)	Blow Counts	Recovery (Feet)	PID (ppm)	Sample ID	Sample Interval	Lithology	USCS	Geologic Description	Remarks	Well Construction
0										
-1			4.6				Fill	Brown fine-medium SAND, little gravel, trace ash-like material and coal fragments; dry.		
-2			0.0					Dark brown fine-medium-coarse SAND, some coal fragments, few cobble-sized clinkers, little ash-like material.	Temporary 1 inch well screen.	
-3	NA	NA	0.4					Brown fine-coarse SAND, some boulders and cobbles, little coal fragments and ash-like material.		
-4			2.1							
-5			1.4					Start sampling with split-spoon sampler at 5 ft bgs.		
-6	8 12		0.0							
-7	21 27 17 16	0.6	0.0				SM	Brown fine-medium SAND, some rock fragments; dry.		
-8										
-9	11 15 20 11	0.6	0.0							
-10										
-11	19 25 100/ 0.5	0.4	0.0					Brown fine-medium SAND, trace gravel.		
-12										
-13	29 17 2 4	1.4	52.9	GRSB1 (13-14)				Becomes wet at 13 ft bgs Hydrocarbon-like odor from 13-16.4 ft bgs.		
-14										
-15	1 2 10 11	1.4	56.8							
-16										
-17	10 23 12 12	1.4	37.3				GP	Dark brown GRAVEL and ROCK fragments, little medium-fine sand; wet, hydrocarbon-like odor from 16.4-18.0 ft bgs.		
-18										
-19	10 41 100/ 0.2	1.0	0.0					Dark brown GRAVEL and ROCK fragments, little coarse-medium-fine sand; wet.		
-20										
-21	27 56 25 22	1.5	0.0					Brown medium-coarse-fine SAND; wet.		
-22										
-23	25 46 49 50	1.3	0.0	GRSB1 (22-24)				Brown GRAVEL and ROCK fragments, trace sand; wet. Boring terminated at 24 ft bgs.		
-24										

Remarks. Soil samples GRSB1(13-14) and GRSB1(22-24) analyzed for SVOCs, VOCs, metals and cyanide. A PVC temporary well point was installed inside the boring to collect groundwater sample TW6. The groundwater sample was analyzed for SVOCs, VOCs, metals, and cyanide.

RETEC

1001 W Seneca St, Suite 204
Ithaca, NY 14850

Boring ID: GRSB2/TW3

Project Name:	28 Pike St. SI, Port Jervis, New York	**Drilling Method:**	Hollow Stem Auger
Project Number:	ORAN2-19643-200	**Sampling Method:**	2 ft Split-spoon
Date Started:	July 27, 2006	**Ground Elevation (ft/msl):**	NA
Date Finished:	July 27, 2006	**Total Depth (ft):**	24 ft bgs
Drilling Company:	Nothnagle Drilling, Inc.	**Logged By:**	Jesse Lloyd

Depth (Feet)	Blow Counts	Recovery (Feet)	PID (ppm)	Sample ID	Sample Interval	Lithology	USCS	Geologic Description	Remarks	Well Construction
0										
-1			0.0				Fill	Brown fine-medium SAND, little gravel and slag, trace coal fragments; dry	Temporary 1 inch well screen.	
-2			0.0							
-3	NA	NA	0.0					Brown fine-coarse SAND, trace gravel, glass and wood fibers and ash-like material; dry.		
-4			0.0					Brown fine-medium SAND, some ash-like material and clinkers, little gravel.		
-5			0.0					Start sampling with split-spoon sampler at 5 ft bgs.		
-6	1 WOI		0.0				SM	Brown fine-medium sand; dry.		
-7	1 1 1 3	0.6	0.0					Brown fine-medium SAND, some gravel.		
-8								Rock in sampler tip.		
-9	9 4 2 4	0.6	0.0							
-10								Brown fine-medium SAND, little gravel; dry		
-11	11 7 2 2	0.4	0.0							
-12								Brown fine-medium SAND, loose.		
-13	1 2 3 4	1.4	0.0	GRSB2 (13-14)				Becomes wet at 13 ft bgs		
-14								Becoming firmer with depth.		
-15	1 8 14 15	1.4	0.0				GP	Dark brown GRAVEL and ROCK fragments, little medium-fine sand; wet.		
-16	18 17 15 15	1.4	0.0					Dark brown GRAVEL and ROCK fragments, little medium-fine sand; wet.		
-17										
-18	21 14 13 17	1.0	0.0							
-19										
-20	25 25 50 100/0.1	1.5	0.0					Gray GRAVEL and ROCK fragments, little medium-fine sand; wet.		
-21										
-22	43 31 18 20	1.3	0.0	GRSB2 (22-24)				Boring terminated at 24 ft bgs.		
-23										
-24										

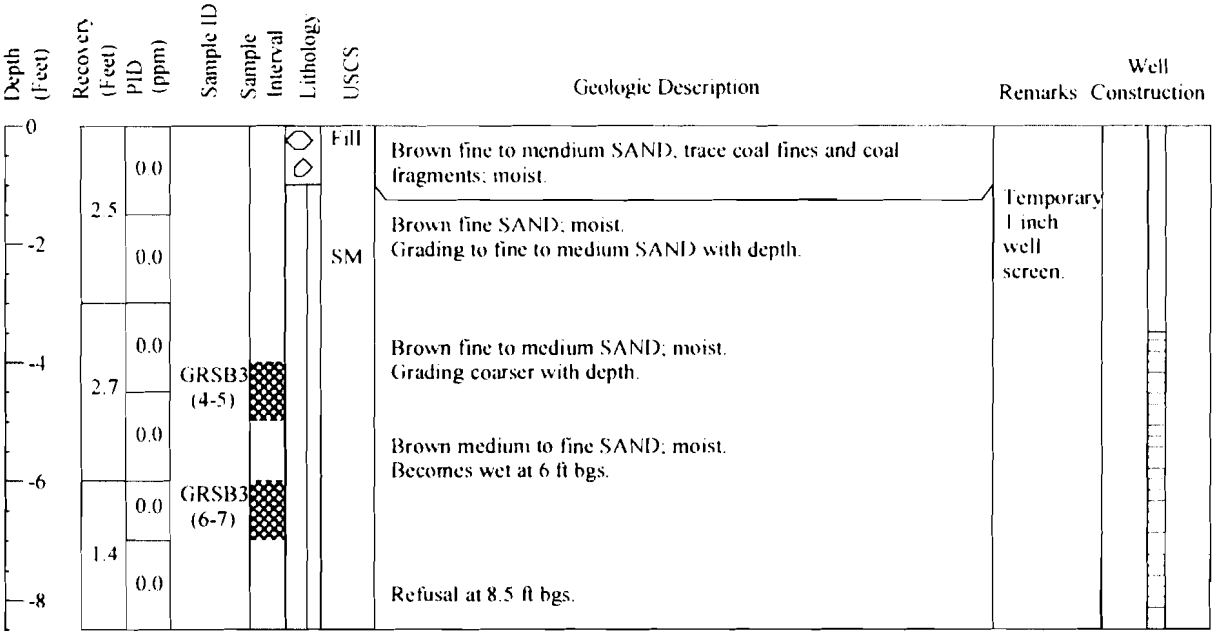
Remarks: Soil samples GRSB2(13-14) and GRSB2(22-24) analyzed for SVOCs, VOCs, metals and cyanide. A PVC temporary well point was installed inside the boring to collect groundwater sample TW3. The groundwater sample was analyzed for SVOCs, VOCs, metals, and cyanide.

RETEC
1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: GRSB3/TW4

Project Name: 28 Pike St. SI, Port Jervis, New York
Project Number: ORAN2-19643-200
Date Started: June 27, 2006
Date Finished: June 27, 2006
Drilling Company: Zebra

Drilling Method: Direct-Push
Sampling Method: 3 ft Macro-Core
Ground Elevation (ft/msl): NA
Total Depth (ft): 8.5 ft below basement floor
Logged By: Jesse Lloyd



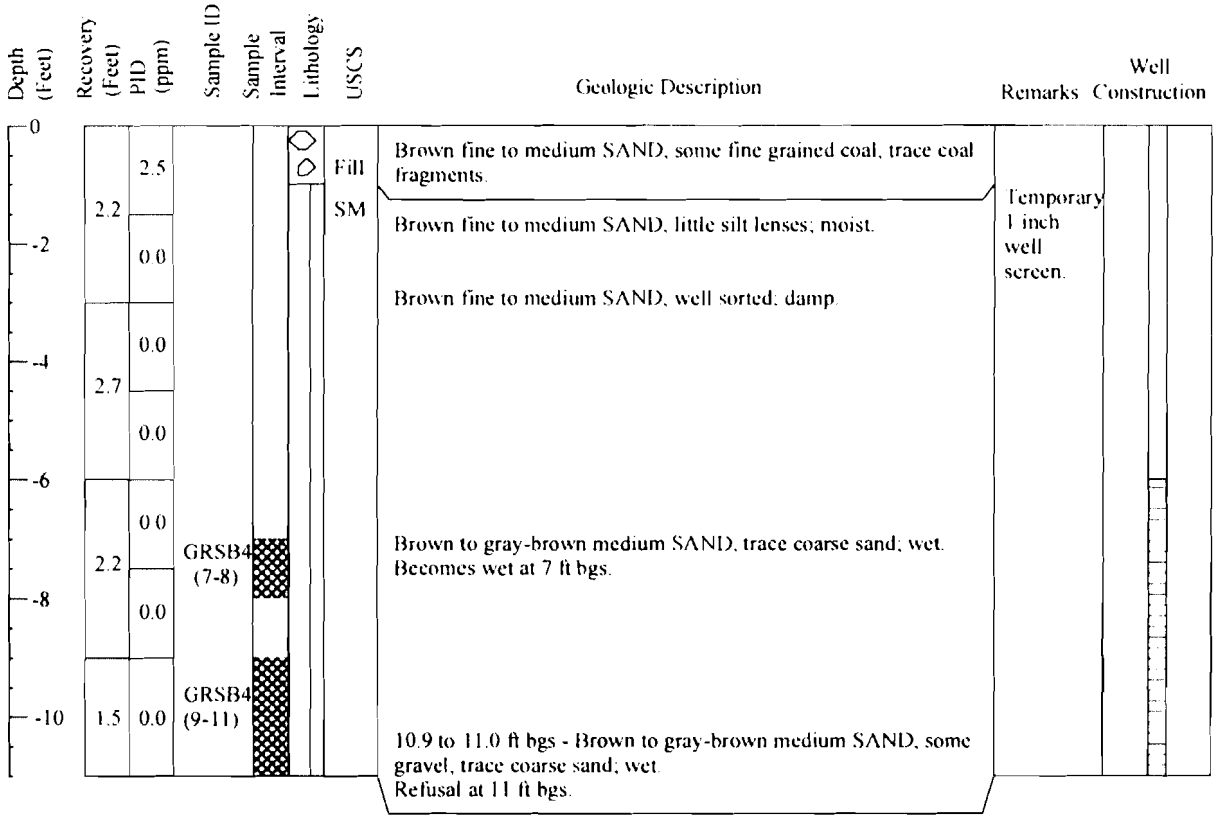
Comments: Soil samples GRSB3(4-5) and GRSB4(6-7) analyzed for SVOCs, VOCs, metals and cyanide. A PVC temporary well point was installed inside the boring to collect groundwater sample TW4. The groundwater sample was analyzed for VOCs, metals, and cyanide.

RETEC
1001 West Seneca Street, Suite 204
Ithaca, New York, 14850

Boring ID: GRSB4/TW5

Project Name: 28 Pike St. SI, Port Jervis, New York
Project Number: ORAN2-19643-200
Date Started: June 27, 2006
Date Finished: June 27, 2006
Drilling Company: Zebra

Drilling Method: Direct-Push
Sampling Method: 3 ft Macro-Core
Ground Elevation (ft/msl): NA
Total Depth (ft): 11 ft below basement floor
Logged By: Jesse Lloyd



Comments: Soil samples GRSB4(7-8) and GRSB4(9-11) analyzed for SVOCs, VOCs, metals and cyanide. A PVC temporary well point was installed inside the boring to collect groundwater sample TW5. The groundwater sample was analyzed for SVOCs, VOCs, metals, and cyanide.

APPENDIX C

Laboratory Form I
Results Sheets and
Chain-of-Custody Records

C6F280229

Chain of Custody Record

No. 0401

The RETEC Group, Inc.
1001 W. Seneca Street, Suite 204 • Ithaca, NY 14850-3342
(607) 277-5716 Phone • (607) 277-9057 Fax
www.retec.com

RETEC

Project Name: Port Servis SI - 28 Filest	Project Number: ORAN2-19643
Send Report To: James Edwards	Sampler (Print Name): Scott Haworth
Address: RETEC	Sampler (Print Name): Jesse Lloyd
1001 W. Seneca St, Suite 204	Shipment Method: FedEX
Ithaca, NY 14850	Airbill Number:
Phone: 607-277-5716	Laboratory Receiving: STL Pittsburgh
Fax: 607-277-9057	

Analysis Requested: VOCs OLM04.2; SVOC OLM04.2; TAL Metals ILM04.1; Total CN ILM04.1

Page ___ of ___

Purchase Order #: ______

Field Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	VOCs OLM04.2	SVOC OLM04.2	TAL Metals ILM04.1	Total CN ILM04.1								Comments, Special Instructions, etc.	Lab Sample ID (to be completed by lab)
GRSS1	6/26/06	1645	Soil	3	X	X	X	X									
GRSS2	6/26/06	1700	Soil	3	X	X	X	X									
GRSB4(7-8)	6/27/06	1000	Soil	3	X	X	X	X									
GRSB4(9-11)	6/27/06	1010	Soil	3	X	X	X	X									
GRSB3(4-5)	6/27/06	1105	Soil	3	X	X	X	X									
GRSB3(6-7)	6/27/06	1045	Soil	3	X	X	X	X									
TW4	6/27/06	1100	Aq	7	X	X	X	X	← rec. both amber glass liter for BNA broken [illegible] 6/28/06								
TW5	6/27/06	1150	Aq	7	X	X	X	X									
TB(062706)	6/27/06	-	Aq	2	X												

7

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	FedEX	6/27/06	1300
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) Patrick R[illegible]	Date: 6/28/06	Time: 0920

Sample Custodian Remarks (Completed By Laboratory):

QA/QC Level	Turnaround	Sample Receipt	
Standard		Total # Containers Received?	
Level I ☐	Routine ☒	COC Seals Present?	
Level II ☐	24 Hour ☐	COC Seals Intact?	
Level III ☐	1 Week ☐	Received Containers Intact?	
Other ☐	Other ____	Temperature?	

White: Lab Copy Yellow: PM Copy Pink: Field Copy Gold: PM/QA/QC Copy

(1 - 150)

C6G290164

Chain of Custody Record

№ 0402

The RETEC Group, Inc.
1001 W. Seneca Street, Suite 204 • Ithaca, NY 14850-3342
(607) 277-5716 Phone • (607) 277-9057 Fax
www.retec.com

RETEC

Project Name: Port Jervis SI- 25 miles	Project Number: ORANZ 19643
Send Report To: James Edwards	Sampler (Print Name): Scott Hauserth
Address: RETEC	Sampler (Print Name): Jesse Lloyd
1001 W. Seneca, Suite 204	Shipment Method: FedEx
Ithaca, NY 14850	Airbill Number:
Phone: 607-277-5716	Laboratory Receiving: STL Pittsburgh
Fax: 607-277-9057	

Page 1 of 1

Purchase Order #:

Field Sample ID	Sample Date	Sample Time	Sample Matrix	Number of Containers	Analysis Requested: VOC - OLM04.2	SVOC - OLM04.2	TAL Metals - ILM04.1	TCL CN - ILM04.1								Comments, Special Instructions, etc.	Lab Sample ID (to be completed by lab)
1RSB2 (13-14)	7/27	915	Soil	3	X	X	X	X	rec 1-250, 2-125								
6RSB20 (13-14)	7/27	930	Soil	3	X	X	X	X									
6RSB2 (22-24)	7/27	1000	Soil	3	X	X	X	X									
6RSB1 (13-14)	7/27/06	1200	Soil	3	X	X	X	X	rec 3-125								
6RSB1 (22-24)	7/27	1300	Soil	3	X	X	X	X									
6RSB1 (22-24) MS/MSD	7/27	1300	Soil	10	X	X	X	X								Additional containers not provided	
TW6	7/27		AQ	7	X	X	X	X	rec 1 VV, 1-250, 1-500, 2L								
TW60	7/27	1230	AQ	7	X	X	X	X	rec 2VV, 1-250, 1-500, 2L								
TB (7.27.06)	7/27	NA	AQ	2	X												
TW3	7/27	1200	AQ	6	X	X	X	X	rec 2VV, 2-250, 2-500, 2L and 1 bottle L								
TW3 MS/MSD	7/27	1200	AQ	6	X	X	X	X									

DAP 7/31/06

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
James D. Edwards	FedEx	7/27/2006	1800
Relinquished by: (Signature)	Received by: (Signature)	Date: 07-28-06	Time: 1000
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Sample Custodian Remarks (Completed By Laboratory):

QA/QC Level	Turnaround	Sample Receipt	
Level I ☐	Routine ☒	Total # Containers Received?	
Level II ☐	24 Hour ☐	COC Seals Present?	
Level III ☐	1 Week ☐	COC Seals Intact?	
Other ☒ NYSDEC ASP	Other ____	Received Containers Intact?	
		Temperature?	

White: Lab Copy Yellow: PM Copy Pink: Field Copy Gold: PM/QA/QC Copy

7

(1 - 160)

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 001
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 06/28/06
Work Order: H8DT91AC Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/06/06
Moisture %:3.6

QC Batch: 6187555

Client Sample Id: GRSS1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	Acetone	10	U
71-43-2	Benzene	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
78-93-3	2-Butanone	10	U
75-15-0	Carbon disulfide	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
106-93-4	1,2-Dibromoethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 001
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 06/28/06
Work Order: H8DT91AC Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/06/06
Moisture %:3.6

QC Batch: 6187555

Client Sample Id: GRSS1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	
100-41-4	Ethylbenzene	10	U	
591-78-6	2-Hexanone	10	U	
98-82-8	Isopropylbenzene	10	U	
79-20-9	Methyl acetate	10	U	J
75-09-2	Methylene chloride	~~3.5~~	~~J B~~	10 U
108-87-2	Methylcyclohexane	10	U	
108-10-1	4-Methyl-2-pentanone	10	U	
1634-04-4	Methyl tert-butyl ether	10	U	
100-42-5	Styrene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
120-82-1	1,2,4-Trichlorobenzene	10	U	
127-18-4	Tetrachloroethene	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
79-01-6	Trichloroethene	10	U	
75-69-4	Trichlorofluoromethane	10	U	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	10	U	
108-88-3	Toluene	10	U	
75-01-4	Vinyl chloride	10	U	
1330-20-7	Xylenes (total)	10	U	

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 001
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 06/28/06
Work Order: H8DT91AD Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/10/06
Moisture %:3.6

QC Batch: 6187024

Client Sample Id: GRSS1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	340	U
208-96-8	Acenaphthylene	340	U
98-86-2	Acetophenone	340	U
120-12-7	Anthracene	340	U
1912-24-9	Atrazine	340	U
56-55-3	Benzo(a)anthracene	340	U
50-32-8	Benzo(a)pyrene	340	U
205-99-2	Benzo(b)fluoranthene	340	U
191-24-2	Benzo(ghi)perylene	340	U
207-08-9	Benzo(k)fluoranthene	340	U
100-52-7	Benzaldehyde	340	U
92-52-4	1,1'-Biphenyl	340	U
111-91-1	bis(2-Chloroethoxy)methane	340	U
111-44-4	bis(2-Chloroethyl) ether	340	U
117-81-7	bis(2-Ethylhexyl) phthalate	64	J
101-55-3	4-Bromophenyl phenyl ether	340	U
85-68-7	Butyl benzyl phthalate	340	U
105-60-2	Caprolactam	340	U
86-74-8	Carbazole	340	U
106-47-8	4-Chloroaniline	340	U
59-50-7	4-Chloro-3-methylphenol	340	U
91-58-7	2-Chloronaphthalene	340	U
95-57-8	2-Chlorophenol	340	U
7005-72-3	4-Chlorophenyl phenyl ether	340	U
218-01-9	Chrysene	340	U
53-70-3	Dibenz(a,h)anthracene	340	U
132-64-9	Dibenzofuran	340	U
91-94-1	3,3'-Dichlorobenzidine	340	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 001
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 06/28/06
Work Order: H8DT91AD Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/10/06
Moisture %:3.6
QC Batch: 6187024

Client Sample Id: GRSS1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
120-83-2	2,4-Dichlorophenol	340	U
84-66-2	Diethyl phthalate	340	U
105-67-9	2,4-Dimethylphenol	340	U
131-11-3	Dimethyl phthalate	340	U
84-74-2	Di-n-butyl phthalate	340	U
534-52-1	4,6-Dinitro-2-methylphenol	860	U
51-28-5	2,4-Dinitrophenol	860	U
121-14-2	2,4-Dinitrotoluene	340	U
606-20-2	2,6-Dinitrotoluene	340	U
117-84-0	Di-n-octyl phthalate	340	U
206-44-0	Fluoranthene	340	U
86-73-7	Fluorene	340	U
118-74-1	Hexachlorobenzene	340	U
87-68-3	Hexachlorobutadiene	340	U
77-47-4	Hexachlorocyclopentadiene	340	U
67-72-1	Hexachloroethane	340	U
193-39-5	Indeno(1,2,3-cd)pyrene	340	U
78-59-1	Isophorone	340	U
91-57-6	2-Methylnaphthalene	340	U
95-48-7	2-Methylphenol	340	U
106-44-5	4-Methylphenol	340	U
91-20-3	Naphthalene	340	U
88-74-4	2-Nitroaniline	860	U
99-09-2	3-Nitroaniline	860	U
100-01-6	4-Nitroaniline	860	U
98-95-3	Nitrobenzene	340	U
88-75-5	2-Nitrophenol	340	U
100-02-7	4-Nitrophenol	860	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 001
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 06/28/06
Work Order: H8DT91AD Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/10/06
Moisture %:3.6

QC Batch: 6187024

Client Sample Id: GRSS1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
621-64-7	N-Nitrosodi-n-propylamine	340	U
86-30-6	N-Nitrosodiphenylamine	340	U
108-60-1	2,2'-oxybis(1-Chloropropane)	340	U
87-86-5	Pentachlorophenol	860	U
85-01-8	Phenanthrene	340	U
108-95-2	Phenol	340	U
129-00-0	Pyrene	340	U
95-95-4	2,4,5-Trichlorophenol	860	U
88-06-2	2,4,6-Trichlorophenol	340	U

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: H8DT9 **Client ID:** GRSS1

Matrix: Soil **Units:** mg/kg **Prep Date:** 6/29/2006 **Prep Batch:** 6180029

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 3.595

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.3**	**41.5**	**5450**		**1**	**ICPST**	**7/1/2006**	**18:41**
Antimony	220.35	0.39	12.4	0.39	~~UN~~ UJ	1	ICPST	7/1/2006	18:41
Arsenic	**189.04**	**0.21**	**2.1**	**2.9**		**1**	**ICPST**	**7/1/2006**	**18:41**
Barium	**493.41**	**0.031**	**41.5**	**22.3**	~~B~~ J	**1**	**ICPST**	**7/1/2006**	**18:41**
Beryllium	**313.04**	**0.037**	**1.0**	1.0 ~~0.40~~	~~B~~ U	**1**	**ICPST**	**7/1/2006**	**18:41**
Cadmium	226.50	0.033	1.0	0.033	U	1	ICPST	7/1/2006	18:41
Calcium	**317.93**	**2.3**	**1040**	1040 ~~602~~	~~B~~ U	**1**	**ICPST**	**7/1/2006**	**18:41**
Chromium	**267.72**	**0.089**	**2.1**	**6.9**		**1**	**ICPST**	**7/1/2006**	**18:41**
Cobalt	**228.62**	**0.10**	**10.4**	**5.5**	~~B~~ J	**1**	**ICPST**	**7/1/2006**	**18:41**
Copper	**324.75**	**0.068**	**5.2**	**10.2**	~~E~~ J	**1**	**ICPST**	**7/1/2006**	**18:41**
Iron	**271.44**	**3.9**	**20.7**	**13000**		**1**	**ICPST**	**7/1/2006**	**18:41**
Lead	**220.35**	**0.23**	**0.62**	**20.1**	~~*~~	**1**	**ICPST**	**7/1/2006**	**18:41**
Magnesium	**279.08**	**1.4**	**1040**	**1970**		**1**	**ICPST**	**7/1/2006**	**18:41**
Manganese	**257.61**	**0.035**	**3.1**	**319**		**1**	**ICPST**	**7/1/2006**	**18:41**
Nickel	**231.60**	**0.20**	**8.3**	**13.5**		**1**	**ICPST**	**7/1/2006**	**18:41**
Potassium	**766.49**	**2.0**	**1040**	1040 ~~511~~	~~BE~~ U	**1**	**ICPST**	**7/1/2006**	**18:41**
Selenium	**220.35**	**0.33**	**1.0**	**0.43**	~~B~~ J	**1**	**ICPST**	**7/1/2006**	**18:41**
Silver	328.07	0.098	2.1	0.098	U	1	ICPST	7/1/2006	18:41
Sodium	**330.23**	**36.1**	**1040**	**261**	~~B~~ J	**1**	**ICPST**	**7/1/2006**	**18:41**
Thallium	**190.86**	**0.54**	**2.1**	**0.62**	~~B~~ J	**1**	**ICPST**	**7/1/2006**	**18:41**
Vanadium	**292.40**	**0.15**	**10.4**	10.4 ~~6.9~~	~~B~~ U	**1**	**ICPST**	**7/1/2006**	**18:41**
Zinc	**213.86**	**0.16**	**4.1**	**42.9**		**1**	**ICPST**	**7/1/2006**	**18:41**

Comments: Lot #: C6F280229 Sample #: 1 Color:pre- brown, post- brwon. Texture:pre- medium, pos-t fine.Artifacts. Stones, organic

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: H8DT9 **Client ID:** GRSS1

Matrix: Soil **Units:** mg/kg **Prep Date:** 7/13/2006 **Prep Batch:** 6194013

Weight: .2 **Volume:** 100 **Percent Moisture:** 3.595

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.012	0.10	~~0.062~~	~~BN~~	1	CVAA	7/13/2006	8:36

0.10 U

Comments: Lot #: C6F280229 Sample #: 1

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 002
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 06/28/06
Work Order: H8DVA1AK Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/06/06
Moisture %:13

QC Batch: 6187555

Client Sample Id: GRSS2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	Acetone	12	U
71-43-2	Benzene	12	U
75-27-4	Bromodichloromethane	12	U
75-25-2	Bromoform	12	U
74-83-9	Bromomethane	12	U
78-93-3	2-Butanone	12	U
75-15-0	Carbon disulfide	12	U
56-23-5	Carbon tetrachloride	12	U
108-90-7	Chlorobenzene	12	U
75-00-3	Chloroethane	12	U
67-66-3	Chloroform	12	U
74-87-3	Chloromethane	12	U
110-82-7	Cyclohexane	12	U
124-48-1	Dibromochloromethane	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
106-93-4	1,2-Dibromoethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
75-71-8	Dichlorodifluoromethane	12	U
75-34-3	1,1-Dichloroethane	12	U
107-06-2	1,2-Dichloroethane	12	U
75-35-4	1,1-Dichloroethene	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 002
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 06/28/06
Work Order: H8DVA1AK Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/06/06
Moisture %:13

QC Batch: 6187555

Client Sample Id: GRSS2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	
100-41-4	Ethylbenzene	12	U	
591-78-6	2-Hexanone	12	U	
98-82-8	Isopropylbenzene	12	U	
79-20-9	Methyl acetate	12	U	J
75-09-2	Methylene chloride	~~4.3~~	~~J B~~	12 U
108-87-2	Methylcyclohexane	12	U	
108-10-1	4-Methyl-2-pentanone	12	U	
1634-04-4	Methyl tert-butyl ether	12	U	
100-42-5	Styrene	12	U	
79-34-5	1,1,2,2-Tetrachloroethane	12	U	
120-82-1	1,2,4-Trichlorobenzene	12	U	
127-18-4	Tetrachloroethene	12	U	
71-55-6	1,1,1-Trichloroethane	12	U	
79-00-5	1,1,2-Trichloroethane	12	U	
79-01-6	Trichloroethene	12	U	
75-69-4	Trichlorofluoromethane	12	U	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	12	U	
108-88-3	Toluene	12	U	
75-01-4	Vinyl chloride	12	U	
1330-20-7	Xylenes (total)	12	U	

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 002
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 06/28/06
Work Order: H8DVA1AL Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/10/06
Moisture %:13

QC Batch: 6187024

Client Sample Id: GRSS2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	380	U
208-96-8	Acenaphthylene	250	J
98-86-2	Acetophenone	200	J
120-12-7	Anthracene	200	J
1912-24-9	Atrazine	380	U
56-55-3	Benzo(a)anthracene	710	
50-32-8	Benzo(a)pyrene	670	
205-99-2	Benzo(b)fluoranthene	920	
191-24-2	Benzo(ghi)perylene	640	
207-08-9	Benzo(k)fluoranthene	320	J
100-52-7	Benzaldehyde	55	J
92-52-4	1,1'-Biphenyl	380	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
111-44-4	bis(2-Chloroethyl) ether	380	U
117-81-7	bis(2-Ethylhexyl) phthalate	2600	
101-55-3	4-Bromophenyl phenyl ether	380	U
85-68-7	Butyl benzyl phthalate	99	J
105-60-2	Caprolactam	380	U
86-74-8	Carbazole	55	J
106-47-8	4-Chloroaniline	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-58-7	2-Chloronaphthalene	380	U
95-57-8	2-Chlorophenol	380	U
7005-72-3	4-Chlorophenyl phenyl ether	380	U
218-01-9	Chrysene	850	
53-70-3	Dibenz(a,h)anthracene	140	J
132-64-9	Dibenzofuran	380	U
91-94-1	3,3'-Dichlorobenzidine	380	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 002
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 06/28/06
Work Order: H8DVA1AL Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/10/06
Moisture %:13

QC Batch: 6187024

Client Sample Id: GRSS2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
120-83-2	2,4-Dichlorophenol	380	U
84-66-2	Diethyl phthalate	380	U
105-67-9	2,4-Dimethylphenol	380	U
131-11-3	Dimethyl phthalate	380	U
84-74-2	**Di-n-butyl phthalate**	**150**	**J**
534-52-1	4,6-Dinitro-2-methylphenol	960	U
51-28-5	2,4-Dinitrophenol	960	U
121-14-2	2,4-Dinitrotoluene	380	U
606-20-2	2,6-Dinitrotoluene	380	U
117-84-0	Di-n-octyl phthalate	380	U
206-44-0	**Fluoranthene**	**1100**	
86-73-7	**Fluorene**	**40**	**J**
118-74-1	Hexachlorobenzene	380	U
87-68-3	Hexachlorobutadiene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
67-72-1	Hexachloroethane	380	U
193-39-5	**Indeno(1,2,3-cd)pyrene**	**500**	
78-59-1	Isophorone	380	U
91-57-6	**2-Methylnaphthalene**	**74**	**J**
95-48-7	2-Methylphenol	380	U
106-44-5	4-Methylphenol	380	U
91-20-3	**Naphthalene**	**110**	**J**
88-74-4	2-Nitroaniline	960	U
99-09-2	3-Nitroaniline	960	U
100-01-6	4-Nitroaniline	960	U
98-95-3	Nitrobenzene	380	U
88-75-5	2-Nitrophenol	380	U
100-02-7	4-Nitrophenol	960	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 002
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 06/28/06
Work Order: H8DVA1AL Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/10/06
Moisture %:13

QC Batch: 6187024

Client Sample Id: GRSS2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
621-64-7	N-Nitrosodi-n-propylamine	380	U
86-30-6	N-Nitrosodiphenylamine	380	U
108-60-1	2,2'-oxybis(1-Chloropropane)	380	U
87-86-5	Pentachlorophenol	960	U
85-01-8	**Phenanthrene**	**580**	
108-95-2	Phenol	380	U
129-00-0	**Pyrene**	**1100**	
95-95-4	2,4,5-Trichlorophenol	960	U
88-06-2	2,4,6-Trichlorophenol	380	U

FORM I

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: H8DVA **Client ID:** GRSS2

Matrix: Soil **Units:** mg/kg **Prep Date:** 6/29/2006 **Prep Batch:** 6180029

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 13.356

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	1.5	46.2	6850		1	ICPST	7/1/2006	19:03
Antimony	220.35	0.44	13.8	0.69	~~BN~~ J	1	ICPST	7/1/2006	19:03
Arsenic	189.04	0.23	2.3	29.3		1	ICPST	7/1/2006	19:03
Barium	493.41	0.035	46.2	190		1	ICPST	7/1/2006	19:03
Beryllium	313.04	0.042	1.2	1.2 ~~0.58~~	~~B~~ U	1	ICPST	7/1/2006	19:03
Cadmium	226.50	0.037	1.2	1.2 ~~0.59~~	~~B~~ U	1	ICPST	7/1/2006	19:03
Calcium	317.93	2.5	1150	11400		1	ICPST	7/1/2006	19:03
Chromium	267.72	0.099	2.3	11.5		1	ICPST	7/1/2006	19:03
Cobalt	228.62	0.11	11.5	6.9	~~B~~ J	1	ICPST	7/1/2006	19:03
Copper	324.75	0.076	5.8	71.6	~~E~~ J	1	ICPST	7/1/2006	19:03
Iron	271.44	4.4	23.1	18400		1	ICPST	7/1/2006	19:03
Lead	220.35	0.51	1.4	1210	~~*~~	2	ICPST	7/5/2006	9:04
Magnesium	279.08	1.5	1150	2820		1	ICPST	7/1/2006	19:03
Manganese	257.61	0.039	3.5	553		1	ICPST	7/1/2006	19:03
Nickel	231.60	0.23	9.2	17.6		1	ICPST	7/1/2006	19:03
Potassium	766.49	2.2	1150	1620	~~E~~ J	1	ICPST	7/1/2006	19:03
Selenium	220.35	0.37	1.2	2.5		1	ICPST	7/1/2006	19:03
Silver	328.07	0.11	2.3	0.38	~~B~~ J	1	ICPST	7/1/2006	19:03
Sodium	330.23	40.2	1150	2940		1	ICPST	7/1/2006	19:03
Thallium	190.86	0.60	2.3	0.60	U	1	ICPST	7/1/2006	19:03
Vanadium	292.40	0.17	11.5	11.5 ~~9.2~~	~~B~~ U	1	ICPST	7/1/2006	19:03
Zinc	213.86	0.18	4.6	323		1	ICPST	7/1/2006	19:03

Comments: Lot #: C6F280229 Sample #: 2Color:pre- brown, post- brwon. Texture:pre- medium, pos-t fine.Artifacts, Stones, organic Lot #: C6F280229 Sample #: 2

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: H8DVA **Client ID:** GRSS2

Matrix: Soil **Units:** mg/kg **Prep Date:** 7/13/2006 **Prep Batch:** 6194013

Weight: .2 **Volume:** 100 **Percent Moisture:** 13.356

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.013	0.12	1.5	N J+	1	CVAA	7/13/2006	8:42

Comments: Lot #: C6F280229 Sample #: 2

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

THERMORETEC CORPORATION

Lab Name:Severn Trent Laboratories, Inc. SDG Number:JERVIS5

Matrix: (soil/water) SOLID Lab Sample ID:C0K080236 001
Method: OCLP OLM03.2
Base/Neutrals and Acids (CLP-OLM03.2)

Sample WT/Vol: 30 / g Date Received: 11/07/00
Work Order: DPJDH1AC Date Extracted:11/16/00
Dilution factor: 10 Date Analyzed: 11/30/00
Moisture %:19

QC Batch: 0321498

Client Sample Id: SS1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	
83-32-9	Acenaphthene	11000		
208-96-8	Acenaphthylene	1200	J	
120-12-7	Anthracene	16000		
56-55-3	Benzo(a)anthracene	~~36000~~ 38000	E	- from reanalysis
50-32-8	Benzo(a)pyrene	27000		
205-99-2	Benzo(b)fluoranthene	~~45000~~ 33000	E	- from reanalysis
207-08-9	Benzo(k)fluoranthene	14000		
191-24-2	Benzo(ghi)perylene	8000		
111-91-1	bis(2-Chloroethoxy)methane	4100	U	
111-44-4	bis(2-Chloroethyl) ether	4100	U	
117-81-7	bis(2-Ethylhexyl) phthalate	1600	J	
101-55-3	4-Bromophenyl phenyl ether	4100	U	
85-68-7	Butyl benzyl phthalate	4100	U	
86-74-8	Carbazole	11000		
106-47-8	4-Chloroaniline	4100	U	
59-50-7	4-Chloro-3-methylphenol	4100	U	
91-58-7	2-Chloronaphthalene	4100	U	
95-57-8	2-Chlorophenol	4100	U	
7005-72-3	4-Chlorophenyl phenyl ether	4100	U	
218-01-9	Chrysene	~~29000~~ 41000	E	- from reanalysis
53-70-3	Dibenz(a,h)anthracene	5500		
132-64-9	Dibenzofuran	5900		
95-50-1	1,2-Dichlorobenzene	4100	U	
541-73-1	1,3-Dichlorobenzene	4100	U	
106-46-7	1,4-Dichlorobenzene	4100	U	
91-94-1	3,3'-Dichlorobenzidine	4100	U	
120-83-2	2,4-Dichlorophenol	4100	U	
84-66-2	Diethyl phthalate	4100	U	

THERMORETEC CORPORATION

Lab Name:Severn Trent Laboratories, Inc. SDG Number:JERVIS5

Matrix: (soil/water) SOLID Lab Sample ID:C0K080236 001
Method: OCLP OLM03.2
Base/Neutrals and Acids (CLP-OLM03.2)

Sample WT/Vol: 30 / g Date Received: 11/07/00
Work Order: DPJDH1AC Date Extracted:11/16/00
Dilution factor: 10 Date Analyzed: 11/30/00
Moisture %:19

QC Batch: 0321498

Client Sample Id: SS1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	
105-67-9	2,4-Dimethylphenol	4100	U	
131-11-3	Dimethyl phthalate	4100	U	
84-74-2	Di-n-butyl phthalate	4100	U	
117-84-0	Di-n-octyl phthalate	4100	U	
51-28-5	2,4-Dinitrophenol	10000	U	
534-52-1	4,6-Dinitro-2-methylphenol	10000	U	
121-14-2	2,4-Dinitrotoluene	4100	U	
606-20-2	2,6-Dinitrotoluene	4100	U	
206-44-0	Fluoranthene	~~91000~~ 89000	E	- from Reanalysis
86-73-7	Fluorene	10000		
118-74-1	Hexachlorobenzene	4100	U	
87-68-3	Hexachlorobutadiene	4100	U	
77-47-4	Hexachlorocyclopentadiene	4100	U	
67-72-1	Hexachloroethane	4100	U	
193-39-5	Indeno(1,2,3-cd)pyrene	16000		
78-59-1	Isophorone	4100	U	
91-57-6	2-Methylnaphthalene	1800	J	
95-48-7	2-Methylphenol	4100	U	
106-44-5	4-Methylphenol	4100	U	
91-20-3	Naphthalene	3500	J	
88-74-4	2-Nitroaniline	10000	U	
99-09-2	3-Nitroaniline	10000	U	
100-01-6	4-Nitroaniline	10000	U	
98-95-3	Nitrobenzene	4100	U	
88-75-5	2-Nitrophenol	4100	U	
100-02-7	4-Nitrophenol	10000	U	
621-64-7	N-Nitrosodi-n-propylamine	4100	U	
86-30-6	N-Nitrosodiphenylamine	4100	U	

THERMORETEC CORPORATION

Lab Name:Severn Trent Laboratories, Inc. SDG Number:JERVIS5

Matrix: (soil/water) SOLID Lab Sample ID:C0K080236 001
Method: OCLP OLM03.2
Base/Neutrals and Acids (CLP-OLM03.2)

Sample WT/Vol: 30 / g Date Received: 11/07/00
Work Order: DPJDH1AC Date Extracted:11/16/00
Dilution factor: 10 Date Analyzed: 11/30/00
Moisture %:19

QC Batch: 0321498

Client Sample Id: SS1

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	
108-60-1	2,2'-oxybis(1-Chloropropane)	4100	U	
87-86-5	Pentachlorophenol	10000	U	
85-01-8	Phenanthrene	~~66000~~ 72000	E	from reanalysis
108-95-2	Phenol	4100	U	
129-00-0	Pyrene	~~54000~~ 61000	E	from reanalysis
120-82-1	1,2,4-Trichlorobenzene	4100	U	
95-95-4	2,4,5-Trichlorophenol	10000	U	
88-06-2	2,4,6-Trichlorophenol	4100	U	

THERMORETEC CORPORATION
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:JERVIS5

Matrix: (soil/water) SOLID Lab Sample ID:C0K080236 001
Method: OCLP OLM03.2
Base/Neutrals and Acids (CLP-OLM03.2)

Sample WT/Vol: 30 / g Date Received: 11/07/00
Work Order: DPJDH1AC Date Extracted:11/16/00
Dilution factor: 10 Date Analyzed: 11/30/00
Moisture %:19

QC Batch: 0321498

Client Sample Id: SS1

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-met	2.7445	6600	NJA
613-12-7	Anthracene, 2-methyl-	11.714	5800	NJ
	Unknown Hydrocarbon	11.882	12000	J
	Unknown Substituted Naphthal	12.339	5600	J
84-65-1	9,10-Anthracenedione	12.359	5400	NJ
	Unknown Substituted Furan	13.958	3800	J
	Unknown PAH	14.456	14000	J
	Unknown PAH	14.59	7500	J
	Unknown PAH	14.657	3900	J
	Unknown PAH	14.718	4200	J
	Unknown PAH	15.41	3200	J
	Unknown Substituted Thiophen	15.799	3900	J
	Unknown PAH	15.894	8600	J
225-51-4	Benz[c]acridine	15.974	4500	NJ
	Unknown Substituted Thiophen	16.162	2900	J
	Unknown PAH	16.619	5900	J
	Unknown	16.834	5100	J
	Unknown carbazole	16.948	4000	J
	Unknown PAH	17.298	5000	J
	Unknown PAH	17.372	2900	J
	Unknown	17.546	4200	J
	Unknown	17.587	3700	J
	Unknown Ketone	17.976	3900	J
	Unknown PAH	18.85	7500	J
	Unknown PAH	19.058	4200	J
	Unknown PAH	19.179	19000	J

THERMORETEC CORPORATION
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Severn Trent Laboratories, Inc. SDG Number: JERVIS5

Matrix: (soil/water) SOLID Lab Sample ID: C0K080236 001
Method: OCLP OLM03.2
Base/Neutrals and Acids (CLP-OLM03.2)

Sample WT/Vol: 30 / g Date Received: 11/07/00
Work Order: DPJDH1AC Date Extracted: 11/16/00
Dilution factor: 10 Date Analyzed: 11/30/00
Moisture %: 19

QC Batch: 0321498

Client Sample Id: SS1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (ug/L or ug/kg) ug/kg	Q
	Unknown PAH	19.428	7900	J
	Unknown PAH	19.515	3100	J
	Unknown	19.589	4700	J
	Unknown PAH	19.71	3700	J
	Unknown PAH	19.777	3100	J
	Unknown	20.94	3800	J
	Unknown PAH	21.067	6100	J
	Unknown PAH	21.43	3100	J
	Unknown PAH	23.399	4000	J

THERMORETEC CORPORATION

Lab Name:Severn Trent Laboratories, Inc. SDG Number:JERVIS5

Matrix: (soil/water) SOLID Lab Sample ID:C0K080236 001 DL
Method: OCLP OLM03.2
Base/Neutrals and Acids (CLP-OLM03.2)

Sample WT/Vol: 30 / g Date Received: 11/07/00
Work Order: DPJDH2AC Date Extracted:11/16/00
Dilution factor: 40 Date Analyzed: 12/01/00
Moisture %:19

QC Batch: 0321498

Client Sample Id: SS1 -RE 1

USE FOR BENZO(a)ANTHRACENE, BENZO(B)FLUORANTHENE, CHRYSENE, FLUORANTHENE, PHENANTHRENE, and PYRENE ONLY.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	11000	J
208-96-8	Acenaphthylene	16000	U
120-12-7	Anthracene	16000	
56-55-3	Benzo(a)anthracene	38000	
50-32-8	Benzo(a)pyrene	30000	
205-99-2	Benzo(b)fluoranthene	33000	
207-08-9	Benzo(k)fluoranthene	24000	
191-24-2	Benzo(ghi)perylene	14000	J
111-91-1	bis(2-Chloroethoxy)methane	16000	U
111-44-4	bis(2-Chloroethyl) ether	16000	U
117-81-7	bis(2-Ethylhexyl) phthalate	1800	J
101-55-3	4-Bromophenyl phenyl ether	16000	U
85-68-7	Butyl benzyl phthalate	16000	U
86-74-8	Carbazole	11000	J
106-47-8	4-Chloroaniline	16000	U
59-50-7	4-Chloro-3-methylphenol	16000	U
91-58-7	2-Chloronaphthalene	16000	U
95-57-8	2-Chlorophenol	16000	U
7005-72-3	4-Chlorophenyl phenyl ether	16000	U
218-01-9	Chrysene	41000	
53-70-3	Dibenz(a,h)anthracene	5300	J
132-64-9	Dibenzofuran	6000	J
95-50-1	1,2-Dichlorobenzene	16000	U
541-73-1	1,3-Dichlorobenzene	16000	U
106-46-7	1,4-Dichlorobenzene	16000	U
91-94-1	3,3'-Dichlorobenzidine	16000	U
120-83-2	2,4-Dichlorophenol	16000	U
84-66-2	Diethyl phthalate	16000	U

THERMORETEC CORPORATION

Lab Name:Severn Trent Laboratories, Inc. SDG Number:JERVIS5

Matrix: (soil/water) SOLID Lab Sample ID:C0K080236 001 DL
Method: OCLP OLM03.2
Base/Neutrals and Acids (CLP-OLM03.2)

Sample WT/Vol: 30 / g Date Received: 11/07/00
Work Order: DPJDH2AC Date Extracted:11/16/00
Dilution factor: 40 Date Analyzed: 12/01/00
Moisture %:19

QC Batch: 0321498

Client Sample Id: SS1 -RE 1

USE FOR BENZO(a) ANTHRACENE, BENZO(B) FLUORANTHENE, CHRYSENE, FLUORANTHENE, PHENANTHRENE, and PYRENE ONLY.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
105-67-9	2,4-Dimethylphenol	16000	U
131-11-3	Dimethyl phthalate	16000	U
84-74-2	Di-n-butyl phthalate	16000	U
117-84-0	Di-n-octyl phthalate	16000	U
51-28-5	2,4-Dinitrophenol	41000	U
534-52-1	4,6-Dinitro-2-methylphenol	41000	U
121-14-2	2,4-Dinitrotoluene	16000	U
606-20-2	2,6-Dinitrotoluene	16000	U
206-44-0	Fluoranthene	89000	
86-73-7	Fluorene	11000	J
118-74-1	Hexachlorobenzene	16000	U
87-68-3	Hexachlorobutadiene	16000	U
77-47-4	Hexachlorocyclopentadiene	16000	U
67-72-1	Hexachloroethane	16000	U
193-39-5	Indeno(1,2,3-cd)pyrene	25000	
78-59-1	Isophorone	16000	U
91-57-6	2-Methylnaphthalene	16000	U
95-48-7	2-Methylphenol	16000	U
106-44-5	4-Methylphenol	16000	U
91-20-3	Naphthalene	3500	J
88-74-4	2-Nitroaniline	41000	U
99-09-2	3-Nitroaniline	41000	U
100-01-6	4-Nitroaniline	41000	U
98-95-3	Nitrobenzene	16000	U
88-75-5	2-Nitrophenol	16000	U
100-02-7	4-Nitrophenol	41000	U
621-64-7	N-Nitrosodi-n-propylamine	16000	U
86-30-6	N-Nitrosodiphenylamine	16000	U

THERMORETEC CORPORATION

Lab Name:Severn Trent Laboratories, Inc. SDG Number:JERVIS5

Matrix: (soil/water) SOLID Lab Sample ID:C0K080236 001 0L
Method: OCLP OLM03.2
Base/Neutrals and Acids (CLP-OLM03.2)

Sample WT/Vol: 30 / g Date Received: 11/07/00
Work Order: DPJDH2AC Date Extracted:11/16/00
Dilution factor: 40 Date Analyzed: 12/01/00
Moisture %:19

QC Batch: 0321498

Client Sample Id: SS1 -RE 1

USE FOR BENZO(a)ANTHRACENE, BENZO(B)FLUORANTHENE, CHRYSENE, FLUORANTHENE, PHENANTHRENE and PYRENE only.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
108-60-1	2,2'-oxybis(1-Chloropropane)	16000	U
87-86-5	Pentachlorophenol	41000	U
85-01-8	Phenanthrene	72000	
108-95-2	Phenol	16000	U
129-00-0	Pyrene	61000	
120-82-1	1,2,4-Trichlorobenzene	16000	U
95-95-4	2,4,5-Trichlorophenol	41000	U
88-06-2	2,4,6-Trichlorophenol	16000	U

THERMORETEC CORPORATION
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:JERVIS5

Matrix: (soil/water) SOLID Lab Sample ID:C0K080236 001 01
Method: OCLP OLM03.2
Base/Neutrals and Acids (CLP-OLM03.2)

Sample WT/Vol: 30 / g Date Received: 11/07/00
Work Order: DPJDH2AC Date Extracted:11/16/00
Dilution factor: 40 Date Analyzed: 12/01/00
Moisture %:19

QC Batch: 0321498

Client Sample Id: SS1 -RE 1

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
123-42-2	2-Pentanone, 4-hydroxy-4-met	2.7351	6900	NJA
	Unknown PAH	11.698	5700	J
	Unknown Hydrocarbon	11.866	11000	J
84-65-1	9,10-Anthracenedione	12.336	8200	JN
	Unknown	13.66	12000	J
	Unknown Substituted Furan	13.936	4100	J
	Unknown PAH	14.419	13000	J
	Unknown PAH	14.561	7700	J
	Unknown PAH	14.628	3900	J
	Unknown	14.695	5000	J
	Unknown Aromatic	15.387	3900	J
	Unknown Substituted Thiophen	15.77	4100	J
	Unknown PAH	15.864	8000	J
	Unknown PAH	16.57	7600	J
	Unknown	16.805	5500	J
	Unknown PAH	17.255	6300	J
	Unknown PAH	17.342	3600	J
	Unknown	17.43	3400	J
	Unknown	17.504	4000	J
	Unknown Ketone	17.954	3600	J
	Unknown PAH	18.8	11000	J
	Unknown Substituted Furan	19.015	6000	J
	Unknown PAH	19.116	25000	J
	Unknown PAH	19.365	11000	J
	Unknown PAH	19.66	4300	J
	Unknown	19.734	3500	J

THERMORETEC CORPORATION
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:JERVIS5

Matrix: (soil/water) SOLID Lab Sample ID:C0K080236 001 0L
Method: OCLP OLM03.2
Base/Neutrals and Acids (CLP-OLM03.2)

Sample WT/Vol: 30 / g Date Received: 11/07/00
Work Order: DPJDH2AC Date Extracted:11/16/00
Dilution factor: 40 Date Analyzed: 12/01/00
Moisture %:19

QC Batch: 0321498

Client Sample Id: SS1 -RE 1

(ug/L or ug/kg) ug/kg

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	Unknown PAH	21.031	11000	J
	Unknown PAH	21.394	6400	J
	Unknown PAH	21.454	6400	J
	Unknown PAH	21.79	5000	J
	Unknown	22.274	3500	J
	Unknown PAH	23.376	9000	J
	Unknown PAH	23.511	5700	J
	Unknown PAH	23.591	4900	J
	Unknown PAH	24.156	3500	J

Lab Name:Severn Trent Laboratories, Inc. SDG Number:JERVIS5

Matrix: (soil/water) SOLID Lab Sample ID:C0K080236 002
Method: OCLP OLM03.2
Base/Neutrals and Acids (CLP-OLM03.2)

Sample WT/Vol: 30 / g Date Received: 11/07/00
Work Order: DPJD51AJ Date Extracted:11/16/00
Dilution factor: 2 Date Analyzed: 12/02/00
Moisture %:6.5

QC Batch: 0321498

Client Sample Id: SS2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	710	U
208-96-8	Acenaphthylene	390	J
120-12-7	Anthracene	180	J
56-55-3	Benzo(a)anthracene	1400	
50-32-8	Benzo(a)pyrene	1400	
205-99-2	Benzo(b)fluoranthene	2100	
207-08-9	Benzo(k)fluoranthene	1200	
191-24-2	Benzo(ghi)perylene	1200	
111-91-1	bis(2-Chloroethoxy)methane	710	U
111-44-4	bis(2-Chloroethyl) ether	710	U
117-81-7	bis(2-Ethylhexyl) phthalate	200	J
101-55-3	4-Bromophenyl phenyl ether	710	U
85-68-7	Butyl benzyl phthalate	710	U
86-74-8	Carbazole	76	J
106-47-8	4-Chloroaniline	710	U
59-50-7	4-Chloro-3-methylphenol	710	U
91-58-7	2-Chloronaphthalene	710	U
95-57-8	2-Chlorophenol	710	U
7005-72-3	4-Chlorophenyl phenyl ether	710	U
218-01-9	Chrysene	1700	
53-70-3	Dibenz(a,h)anthracene	460	J
132-64-9	Dibenzofuran	710	U
95-50-1	1,2-Dichlorobenzene	710	U
541-73-1	1,3-Dichlorobenzene	710	U
106-46-7	1,4-Dichlorobenzene	710	U
91-94-1	3,3'-Dichlorobenzidine	710	U
120-83-2	2,4-Dichlorophenol	710	U
84-66-2	Diethyl phthalate	710	U

THERMORETEC CORPORATION

Client Sample ID: SS1

General Chemistry

Lot-Sample #...: C0K080236-001 Work Order #...: DPJDH Matrix.....: SOLID
Date Sampled...: 11/06/00 Date Received..: 11/07/00
% Moisture.....: 19

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Percent Solids	80.8		%	MCAWW 160.3 MOD	11/14-11/15/00	0320184
	Dilution Factor: 1			MS Run #.....: 0320079		
Total Cyanide	ND	0.62	mg/kg	ICLP ILM04.0	11/16-11/18/00	0321206
	Dilution Factor: 1			MS Run #.....: 0321065		

NOTE(S):

RL Reporting Limit

Results and reporting limits have been adjusted for dry weight.

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: DPJDH **Client ID:** SS1

Matrix: Soil **Units:** mg/kg **Prep Date:** 11/24/00 **Prep Batch:** 0327420

Weight: 0.2 **Volume:** 100 **Percent Moisture:** 19.2

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.022	0.12	0.80	~~N*~~ J	1	CVAA	11/24/00	12:26

Comments: Lot #: C0K080236 Sample #: 1

Version 4.10.2

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: DPJDH **Client ID:** SS1

Matrix: Soil **Units:** mg/kg **Prep Date:** 11/28/00 **Prep Batch:** 0333129

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 19.2

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	6.5	49.5	6090		1	ICP	12/4/00	13:33
Antimony	220.35	0.52	14.9	10.9	BN* U	1	ICPST	12/8/00	13:08
Arsenic	189.04	0.52	2.5	8.8	N* J	1	ICPST	12/8/00	13:08
Barium	493.41	0.10	49.5	206	* J	1	ICP	12/4/00	13:33
Beryllium	313.04	0.025	1.2	0.53	B	1	ICP	12/4/00	13:33
Cadmium	228.80	0.84	1.2	1.4		1	ICP	12/4/00	13:33
Calcium	317.93	2.9	1240	7930	N* J	1	ICP	12/4/00	13:33
Chromium	267.72	0.74	2.5	36.3	N* J	1	ICP	12/4/00	13:33
Cobalt	228.62	0.97	12.4	8.8	B	1	ICP	12/4/00	13:33
Copper	324.75	0.45	6.2	48.1	*	1	ICP	12/4/00	13:33
Iron	259.94	0.67	24.8	23400		1	ICP	12/4/00	13:33
Lead	220.35	0.99	1.5	2020	*	2	ICPST	12/8/00	15:24
Magnesium	279.08	3.9	1240	4540	* J	1	ICP	12/4/00	13:33
Manganese	257.61	0.17	3.7	460	N* J	1	ICP	12/4/00	13:33
Nickel	231.60	2.3	9.9	14.6		1	ICP	12/4/00	13:33
Potassium	766.49	171	1240	736	B	1	ICP	12/4/00	13:33
Selenium	220.35	0.74	1.2	0.87	B	1	ICPST	12/8/00	13:08
Silver	328.07	0.74	2.5	0.74	U	1	ICP	12/4/00	13:33
Sodium	589	6.8	1240	121	B	1	ICP	12/4/00	13:33
Thallium	190.86	1.7	2.5	1.7	U	1	ICPST	12/8/00	13:08
Vanadium	292.40	0.92	12.4	17.8		1	ICP	12/4/00	13:33
Zinc	213.86	0.57	5.0	807		1	ICP	12/4/00	13:33

Comments: Lot #: C0K080236 Sample #: 1 Color: Pre: Brown - Post: Brown Texture: Pre: Fine - Post: Fine Artifacts: Organic Material

Version 4.10.2 U Result is less than the IDL *Form 1 Equivalent*

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 004
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 07/29/06
Work Order: JAAFX1AK Date Extracted:08/01/06
Dilution factor: 1 Date Analyzed: 08/01/06
Moisture %:9.2
QC Batch: 6213037

Client Sample Id: GRSB1(13-14)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	Acetone	20	~~B~~ U
71-43-2	Benzene	11	U
75-27-4	Bromodichloromethane	11	U
75-25-2	Bromoform	11	U
74-83-9	Bromomethane	11	U
78-93-3	2-Butanone	11	U
75-15-0	Carbon disulfide	11	U
56-23-5	Carbon tetrachloride	11	U
108-90-7	Chlorobenzene	11	U
75-00-3	Chloroethane	11	U
67-66-3	Chloroform	11	U
74-87-3	Chloromethane	11	U
110-82-7	Cyclohexane	11	U
124-48-1	Dibromochloromethane	11	U
~~96-12-8~~	~~1,2-Dibromo-3-chloropropane~~	~~11~~ R	~~U~~
106-93-4	1,2-Dibromoethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
75-71-8	Dichlorodifluoromethane	11	U
75-34-3	1,1-Dichloroethane	11	U
107-06-2	1,2-Dichloroethane	11	U
75-35-4	1,1-Dichloroethene	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 004
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 07/29/06
Work Order: JAAFX1AK Date Extracted:08/01/06
Dilution factor: 1 Date Analyzed: 08/01/06
Moisture %:9.2
QC Batch: 6213037

Client Sample Id: GRSB1(13-14)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-41-4	Ethylbenzene	11	U
591-78-6	2-Hexanone	11	U
98-82-8	Isopropylbenzene	11	U
79-20-9	Methyl acetate	11	U
75-09-2	Methylene chloride	~~6.7~~	~~J B~~ U
108-87-2	Methylcyclohexane	11	U
108-10-1	4-Methyl-2-pentanone	11	U
1634-04-4	Methyl tert-butyl ether	11	U
100-42-5	Styrene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
127-18-4	Tetrachloroethene	11	U
71-55-6	1,1,1-Trichloroethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
79-01-6	Trichloroethene	11	U
75-69-4	Trichlorofluoromethane	11	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	11	U
108-88-3	Toluene	11	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Xylenes (total)	11	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 004
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 07/29/06
Work Order: JAAFX1AL Date Extracted:08/05/06
Dilution factor: 1 Date Analyzed: 08/10/06
Moisture %:9.2

QC Batch: 6217057

Client Sample Id: GRSB1(13-14)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	150	J
208-96-8	Acenaphthylene	210	J
98-86-2	Acetophenone	100	J
120-12-7	Anthracene	320	J
1912-24-9	Atrazine	360	U
56-55-3	Benzo(a)anthracene	530	
50-32-8	Benzo(a)pyrene	540	
205-99-2	Benzo(b)fluoranthene	530	
191-24-2	Benzo(ghi)perylene	220	J
207-08-9	Benzo(k)fluoranthene	180	J
100-52-7	Benzaldehyde	360	U
92-52-4	1,1'-Biphenyl	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
111-44-4	bis(2-Chloroethyl) ether	360	U
117-81-7	bis(2-Ethylhexyl) phthalate	360	U
101-55-3	4-Bromophenyl phenyl ether	360	U
85-68-7	Butyl benzyl phthalate	360	U
105-60-2	Caprolactam	360	U
86-74-8	Carbazole	360	U
106-47-8	4-Chloroaniline	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-58-7	2-Chloronaphthalene	360	U
95-57-8	2-Chlorophenol	360	U
7005-72-3	4-Chlorophenyl phenyl ether	360	U
218-01-9	Chrysene	560	
53-70-3	Dibenz(a,h)anthracene	98	J
132-64-9	Dibenzofuran	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 004
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 07/29/06
Work Order: JAAFX1AL Date Extracted:08/05/06
Dilution factor: 1 Date Analyzed: 08/10/06
Moisture %:9.2

QC Batch: 6217057

Client Sample Id: GRSB1(13-14)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
120-83-2	2,4-Dichlorophenol	360	U
84-66-2	Diethyl phthalate	360	U
105-67-9	2,4-Dimethylphenol	360	U
131-11-3	Dimethyl phthalate	360	U
84-74-2	Di-n-butyl phthalate	360	U
534-52-1	4,6-Dinitro-2-methylphenol	910	U
51-28-5	2,4-Dinitrophenol	910	U
121-14-2	2,4-Dinitrotoluene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
117-84-0	Di-n-octyl phthalate	360	U
206-44-0	**Fluoranthene**	**750**	
86-73-7	**Fluorene**	**120**	**J**
118-74-1	Hexachlorobenzene	360	U
87-68-3	Hexachlorobutadiene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
67-72-1	Hexachloroethane	360	U
193-39-5	**Indeno(1,2,3-cd)pyrene**	**260**	**J**
78-59-1	Isophorone	360	U
91-57-6	2-Methylnaphthalene	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
88-74-4	2-Nitroaniline	910	U
99-09-2	3-Nitroaniline	910	U
100-01-6	4-Nitroaniline	910	U
98-95-3	Nitrobenzene	360	U
88-75-5	2-Nitrophenol	360	U
100-02-7	4-Nitrophenol	910	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 004
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 07/29/06
Work Order: JAAFX1AL Date Extracted:08/05/06
Dilution factor: 1 Date Analyzed: 08/10/06
Moisture %:9.2

QC Batch: 6217057

Client Sample Id: GRSB1(13-14)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
621-64-7	N-Nitrosodi-n-propylamine	360	U
86-30-6	N-Nitrosodiphenylamine	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
87-86-5	Pentachlorophenol	910	U
85-01-8	**Phenanthrene**	**110**	**J**
108-95-2	Phenol	360	U
129-00-0	**Pyrene**	**1400**	
95-95-4	2,4,5-Trichlorophenol	910	U
88-06-2	2,4,6-Trichlorophenol	360	U

FORM I

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: JAAFX **Client ID:** GRSB1(13-14)

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/2/2006 **Prep Batch:** 6214386

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 9.194

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.5**	**44.0**	**4510**	~~+~~	J 1	ICPST	8/11/2006	15:33
Antimony	206.84	0.51	13.2	0.51	~~UN~~	UJ 1	ICPST	8/11/2006	15:33
Arsenic	**189.04**	**0.42**	**2.2**	**2.5**		1	ICPST	8/11/2006	15:33
Barium	**493.41**	**0.031**	**44.0**	**25.3**	~~B~~	J 1	ICPST	8/11/2006	15:33
Beryllium	**313.04**	**0.037**	**1.1**	/.1 ~~0.26~~	~~B~~	U 1	ICPST	8/11/2006	15:33
Cadmium	226.50	0.068	1.1	0.068	U	1	ICPST	8/11/2006	15:33
Calcium	**317.93**	**0.90**	**1100**	/100 ~~297~~	~~B~~	U 1	ICPST	8/11/2006	15:33
Chromium	**267.72**	**0.13**	**2.2**	**4.5**	~~N~~	J 1	ICPST	8/11/2006	15:33
Cobalt	**228.62**	**0.14**	**11.0**	**4.3**	~~B~~	J 1	ICPST	8/11/2006	15:33
Copper	**324.75**	**0.20**	**5.5**	**11.9**	~~+~~	1	ICPST	8/11/2006	15:33
Iron	**271.44**	**3.0**	**22.0**	**8590**	~~+~~	J 1	ICPST	8/11/2006	15:33
Lead	**220.35**	**0.35**	**0.66**	**5.2**		1	ICPST	8/11/2006	15:33
Magnesium	**279.08**	**1.1**	**1100**	**1650**		1	ICPST	8/11/2006	15:33
Manganese	**257.61**	**0.033**	**3.3**	**92.4**	~~+~~	J 1	ICPST	8/11/2006	15:33
Nickel	**231.60**	**0.16**	**8.8**	**8.9**		1	ICPST	8/11/2006	15:33
Potassium	**766.49**	**2.3**	**1100**	/100 ~~574~~	~~BE~~	U 1	ICPST	8/11/2006	15:33
Selenium	**220.35**	**0.44**	**1.1**	**0.87**	~~B~~	J 1	ICPST	8/11/2006	15:33
Silver	328.07	0.099	2.2	0.099	U	1	ICPST	8/11/2006	15:33
Sodium	**330.23**	**22.0**	**1100**	**75.0**	~~B~~	J 1	ICPST	8/11/2006	15:33
Thallium	190.86	0.62	2.2	0.62	U	1	ICPST	8/11/2006	15:33
Vanadium	**292.40**	**0.12**	**11.0**	**4.5**	~~B~~	J 1	ICPST	8/11/2006	15:33
Zinc	**206.2**	**0.22**	**4.4**	**57.7**	~~+~~	J 1	ICPST	8/11/2006	15:33

Comments: Lot #: C6G290164 Sample #: 4Color:pre- brown, post- brown. Texture:pre- medium, post fine. Artfacts: stones.

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: JAAFX **Client ID:** GRSB1(13-14)

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/14/2006 **Prep Batch:** 6226062

Weight: .2 **Volume:** 100 **Percent Moisture:** 9.194

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.023	0.11	~~0.095~~	~~B~~	1	CVAA	8/14/2006	10:12

0.11 U

Comments: Lot #: C6G290164 Sample #: 4

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form I Equivalent

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 005
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 07/29/06
Work Order: JAAF11A2 Date Extracted:08/01/06
Dilution factor: 1 Date Analyzed: 08/01/06
Moisture %:25
QC Batch: 6213037

Client Sample Id: GRSB1(22-24)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	Acetone	~~12~~	~~J B~~ 13 U
71-43-2	Benzene	13	U
75-27-4	Bromodichloromethane	13	U
75-25-2	Bromoform	13	U
74-83-9	Bromomethane	13	U
78-93-3	2-Butanone	13	U
75-15-0	Carbon disulfide	13	U
56-23-5	Carbon tetrachloride	13	U
108-90-7	Chlorobenzene	13	U
75-00-3	Chloroethane	13	U
67-66-3	Chloroform	13	U
74-87-3	Chloromethane	13	U
110-82-7	Cyclohexane	13	U
124-48-1	Dibromochloromethane	13	U
~~96-12-8~~	~~1,2-Dibromo-3-chloropropane~~	~~13~~ R	~~U~~
106-93-4	1,2-Dibromoethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
75-71-8	Dichlorodifluoromethane	13	U
75-34-3	1,1-Dichloroethane	13	U
107-06-2	1,2-Dichloroethane	13	U
75-35-4	1,1-Dichloroethene	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
156-60-5	trans-1,2-Dichloroethene	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 005
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 07/29/06
Work Order: JAAF11A2 Date Extracted:08/01/06
Dilution factor: 1 Date Analyzed: 08/01/06
Moisture %:25
QC Batch: 6213037

Client Sample Id: GRSB1(22-24)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	
100-41-4	Ethylbenzene	13	U	
591-78-6	2-Hexanone	13	U	
98-82-8	Isopropylbenzene	13	U	
79-20-9	Methyl acetate	13	U	
75-09-2	Methylene chloride	~~5.7~~	~~J B~~	13 U
108-87-2	Methylcyclohexane	13	U	
108-10-1	4-Methyl-2-pentanone	13	U	
1634-04-4	Methyl tert-butyl ether	13	U	
100-42-5	Styrene	13	U	
79-34-5	1,1,2,2-Tetrachloroethane	13	U	
120-82-1	1,2,4-Trichlorobenzene	13	U	
127-18-4	Tetrachloroethene	13	U	
71-55-6	1,1,1-Trichloroethane	13	U	
79-00-5	1,1,2-Trichloroethane	13	U	
79-01-6	Trichloroethene	13	U	
75-69-4	Trichlorofluoromethane	13	U	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	13	U	
108-88-3	Toluene	13	U	
75-01-4	Vinyl chloride	13	U	
1330-20-7	Xylenes (total)	13	U	

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 005
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 07/29/06
Work Order: JAAF11A5 Date Extracted:08/05/06
Dilution factor: 1 Date Analyzed: 08/11/06
Moisture %:25

QC Batch: 6217057

Client Sample Id: GRSB1(22-24)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	440	U
208-96-8	Acenaphthylene	440	U
98-86-2	Acetophenone	45	J
120-12-7	Anthracene	440	U
1912-24-9	Atrazine	440	U
56-55-3	Benzo(a)anthracene	440	U
50-32-8	Benzo(a)pyrene	440	U
205-99-2	Benzo(b)fluoranthene	440	U
191-24-2	Benzo(ghi)perylene	440	U
207-08-9	Benzo(k)fluoranthene	440	U
100-52-7	Benzaldehyde	440	U
92-52-4	1,1'-Biphenyl	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
111-44-4	bis(2-Chloroethyl) ether	440	U
117-81-7	bis(2-Ethylhexyl) phthalate	440	U
101-55-3	4-Bromophenyl phenyl ether	440	U
85-68-7	Butyl benzyl phthalate	440	U
105-60-2	Caprolactam	71	J
86-74-8	Carbazole	440	U
106-47-8	4-Chloroaniline	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-58-7	2-Chloronaphthalene	440	U
95-57-8	2-Chlorophenol	440	U
7005-72-3	4-Chlorophenyl phenyl ether	440	U
218-01-9	Chrysene	440	U
53-70-3	Dibenz(a,h)anthracene	440	U
132-64-9	Dibenzofuran	440	U
91-94-1	3,3'-Dichlorobenzidine	440	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 005
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 07/29/06
Work Order: JAAF11A5 Date Extracted:08/05/06
Dilution factor: 1 Date Analyzed: 08/11/06
Moisture %:25

QC Batch: 6217057

Client Sample Id: GRSB1(22-24)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
120-83-2	2,4-Dichlorophenol	440	U
84-66-2	Diethyl phthalate	440	U
105-67-9	2,4-Dimethylphenol	440	U
131-11-3	Dimethyl phthalate	440	U
84-74-2	Di-n-butyl phthalate	440	U
534-52-1	4,6-Dinitro-2-methylphenol	1100	U
51-28-5	2,4-Dinitrophenol	1100	U
121-14-2	2,4-Dinitrotoluene	440	U
606-20-2	2,6-Dinitrotoluene	440	U
117-84-0	Di-n-octyl phthalate	440	U
206-44-0	Fluoranthene	440	U
86-73-7	Fluorene	440	U
118-74-1	Hexachlorobenzene	440	U
87-68-3	Hexachlorobutadiene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
67-72-1	Hexachloroethane	440	U
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
78-59-1	Isophorone	440	U
91-57-6	2-Methylnaphthalene	440	U
95-48-7	2-Methylphenol	440	U
106-44-5	4-Methylphenol	440	U
91-20-3	Naphthalene	440	U
88-74-4	2-Nitroaniline	1100	U
99-09-2	3-Nitroaniline	1100	U
100-01-6	4-Nitroaniline	1100	U
98-95-3	Nitrobenzene	440	U
88-75-5	2-Nitrophenol	440	U
100-02-7	4-Nitrophenol	1100	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 005
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 07/29/06
Work Order: JAAF11A5 Date Extracted:08/05/06
Dilution factor: 1 Date Analyzed: 08/11/06
Moisture %:25

QC Batch: 6217057

Client Sample Id: GRSB1(22-24)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
621-64-7	N-Nitrosodi-n-propylamine	440	U
86-30-6	N-Nitrosodiphenylamine	440	U
108-60-1	2,2'-oxybis(1-Chloropropane)	440	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	440	U
108-95-2	Phenol	440	U
129-00-0	Pyrene	440	U
95-95-4	2,4,5-Trichlorophenol	1100	U
88-06-2	2,4,6-Trichlorophenol	440	U

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: JAAF1 **Client ID:** GRSB1(22-24)

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/2/2006 **Prep Batch:** 6214386

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 24.567

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.8**	**53.0**	**7820**	~~-~~	J 1	ICPST	8/11/2006	14:38
Antimony	206.84	0.61	15.9	0.61	~~UN~~	UJ 1	ICPST	8/11/2006	14:38
Arsenic	**189.04**	**0.50**	**2.7**	**2.8**		1	ICPST	8/11/2006	14:38
Barium	**493.41**	**0.037**	**53.0**	**36.8**	~~B~~	J 1	ICPST	8/11/2006	14:38
Beryllium	**313.04**	**0.045**	**1.3**	/.3 ~~0.46~~	~~B~~	U 1	ICPST	8/11/2006	14:38
Cadmium	226.50	0.082	1.3	0.082	U	1	ICPST	8/11/2006	14:38
Calcium	**317.93**	**1.1**	**1330**	/330 ~~453~~	~~B~~	U 1	ICPST	8/11/2006	14:38
Chromium	**267.72**	**0.16**	**2.7**	**18.8**	~~N~~	J 1	ICPST	8/11/2006	14:38
Cobalt	**228.62**	**0.17**	**13.3**	**8.1**	~~B~~	J 1	ICPST	8/11/2006	14:38
Copper	**324.75**	**0.24**	**6.6**	**20.0**	~~-~~	1	ICPST	8/11/2006	14:38
Iron	**271.44**	**3.6**	**26.5**	**20000**	~~-~~	J 1	ICPST	8/11/2006	14:38
Lead	**220.35**	**0.42**	**0.80**	**4.8**		1	ICPST	8/11/2006	14:38
Magnesium	**279.08**	**1.4**	**1330**	**2960**		1	ICPST	8/11/2006	14:38
Manganese	**257.61**	**0.040**	**4.0**	**180**	~~-~~	J 1	ICPST	8/11/2006	14:38
Nickel	**231.60**	**0.19**	**10.6**	**23.3**		1	ICPST	8/11/2006	14:38
Potassium	**766.49**	**2.8**	**1330**	/330 ~~531~~	~~BE~~	U 1	ICPST	8/11/2006	14:38
Selenium	**220.35**	**0.53**	**1.3**	**0.79**	~~B~~	J 1	ICPST	8/11/2006	14:38
Silver	328.07	0.12	2.7	0.12	U	1	ICPST	8/11/2006	14:38
Sodium	**330.23**	**26.5**	**1330**	**137**	~~B~~	J 1	ICPST	8/11/2006	14:38
Thallium	190.86	0.74	2.7	0.74	U	1	ICPST	8/11/2006	14:38
Vanadium	**292.40**	**0.15**	**13.3**	**9.6**	~~B~~	J 1	ICPST	8/11/2006	14:38
Zinc	**206.2**	**0.27**	**5.3**	**70.6**	~~-~~	J 1	ICPST	8/11/2006	14:38

Comments: Lot #: C6G290164 Sample #: 5 Color:pre- brown, post- brown. Texture:pre- medium, post fine. Artfacts: stones.

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: JAAF1 **Client ID:** GRSB1(22-24)

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/14/2006 **Prep Batch:** 6226062

Weight: .2 **Volume:** 100 **Percent Moisture:** 24.567

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.028	0.13	~~0.048~~	~~B~~	1	CVAA	8/14/2006	10:13

0.13 U

Comments: Lot #: C6G290164 Sample #: 5

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 001
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 07/29/06
Work Order: JAAFM1AC Date Extracted:08/01/06
Dilution factor: 1 Date Analyzed: 08/01/06
Moisture %:19

QC Batch: 6213037

Client Sample Id: GRSB2(13-14)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	Acetone	43	~~B~~ U
71-43-2	Benzene	12	U
75-27-4	Bromodichloromethane	12	U
75-25-2	Bromoform	12	U
74-83-9	Bromomethane	12	U
78-93-3	2-Butanone	12	U
75-15-0	Carbon disulfide	12	U
56-23-5	Carbon tetrachloride	12	U
108-90-7	Chlorobenzene	12	U
75-00-3	Chloroethane	12	U
67-66-3	Chloroform	12	U
74-87-3	Chloromethane	12	U
110-82-7	Cyclohexane	12	U
124-48-1	Dibromochloromethane	12	U
~~96-12-8~~	~~1,2-Dibromo-3-chloropropane~~	~~12~~ R	~~U~~
106-93-4	1,2-Dibromoethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
75-71-8	Dichlorodifluoromethane	12	U
75-34-3	1,1-Dichloroethane	12	U
107-06-2	1,2-Dichloroethane	12	U
75-35-4	1,1-Dichloroethene	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 001
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 07/29/06
Work Order: JAAFM1AC Date Extracted:08/01/06
Dilution factor: 1 Date Analyzed: 08/01/06
Moisture %:19
QC Batch: 6213037

Client Sample Id: GRSB2(13-14)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	
100-41-4	Ethylbenzene	12	U	
591-78-6	2-Hexanone	12	U	
98-82-8	Isopropylbenzene	12	U	
79-20-9	Methyl acetate	12	U	
75-09-2	Methylene chloride	~~6.7~~	~~J B~~	12 U
108-87-2	Methylcyclohexane	12	U	
108-10-1	4-Methyl-2-pentanone	12	U	
1634-04-4	Methyl tert-butyl ether	12	U	
100-42-5	Styrene	12	U	
79-34-5	1,1,2,2-Tetrachloroethane	12	U	
120-82-1	1,2,4-Trichlorobenzene	12	U	
127-18-4	Tetrachloroethene	12	U	
71-55-6	1,1,1-Trichloroethane	12	U	
79-00-5	1,1,2-Trichloroethane	12	U	
79-01-6	Trichloroethene	12	U	
75-69-4	Trichlorofluoromethane	12	U	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	12	U	
108-88-3	Toluene	12	U	
75-01-4	Vinyl chloride	12	U	
1330-20-7	Xylenes (total)	12	U	

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 001
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 07/29/06
Work Order: JAAFM1AD Date Extracted:08/05/06
Dilution factor: 1 Date Analyzed: 08/10/06
Moisture %:19

QC Batch: 6217057

Client Sample Id: GRSB2(13-14)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	410	U
208-96-8	Acenaphthylene	410	U
98-86-2	Acetophenone	410	U
120-12-7	Anthracene	410	U
1912-24-9	Atrazine	410	U
56-55-3	Benzo(a)anthracene	410	U
50-32-8	Benzo(a)pyrene	410	U
205-99-2	Benzo(b)fluoranthene	410	U
191-24-2	Benzo(ghi)perylene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
100-52-7	Benzaldehyde	410	U
92-52-4	1,1'-Biphenyl	410	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
111-44-4	bis(2-Chloroethyl) ether	410	U
117-81-7	bis(2-Ethylhexyl) phthalate	410	U
101-55-3	4-Bromophenyl phenyl ether	410	U
85-68-7	Butyl benzyl phthalate	410	U
105-60-2	Caprolactam	74	J
86-74-8	Carbazole	410	U
106-47-8	4-Chloroaniline	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-58-7	2-Chloronaphthalene	410	U
95-57-8	2-Chlorophenol	410	U
7005-72-3	4-Chlorophenyl phenyl ether	410	U
218-01-9	Chrysene	410	U
53-70-3	Dibenz(a,h)anthracene	410	U
132-64-9	Dibenzofuran	410	U
91-94-1	3,3'-Dichlorobenzidine	410	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 001
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 07/29/06
Work Order: JAAFM1AD Date Extracted:08/05/06
Dilution factor: 1 Date Analyzed: 08/10/06
Moisture %:19

QC Batch: 6217057

Client Sample Id: GRSB2(13-14)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
120-83-2	2,4-Dichlorophenol	410	U
84-66-2	Diethyl phthalate	410	U
105-67-9	2,4-Dimethylphenol	410	U
131-11-3	Dimethyl phthalate	410	U
84-74-2	Di-n-butyl phthalate	410	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
51-28-5	2,4-Dinitrophenol	1000	U
121-14-2	2,4-Dinitrotoluene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
117-84-0	Di-n-octyl phthalate	410	U
206-44-0	Fluoranthene	410	U
86-73-7	Fluorene	410	U
118-74-1	Hexachlorobenzene	410	U
87-68-3	Hexachlorobutadiene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
67-72-1	Hexachloroethane	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
78-59-1	Isophorone	410	U
91-57-6	2-Methylnaphthalene	410	U
95-48-7	2-Methylphenol	410	U
106-44-5	4-Methylphenol	410	U
91-20-3	Naphthalene	410	U
88-74-4	2-Nitroaniline	1000	U
99-09-2	3-Nitroaniline	1000	U
100-01-6	4-Nitroaniline	1000	U
98-95-3	Nitrobenzene	410	U
88-75-5	2-Nitrophenol	410	U
100-02-7	4-Nitrophenol	1000	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 001
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 07/29/06
Work Order: JAAFM1AD Date Extracted:08/05/06
Dilution factor: 1 Date Analyzed: 08/10/06
Moisture %:19

QC Batch: 6217057

Client Sample Id: GRSB2(13-14)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
621-64-7	N-Nitrosodi-n-propylamine	410	U
86-30-6	N-Nitrosodiphenylamine	410	U
108-60-1	2,2'-oxybis(1-Chloropropane)	410	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	410	U
108-95-2	Phenol	410	U
129-00-0	Pyrene	410	U
95-95-4	2,4,5-Trichlorophenol	1000	U
88-06-2	2,4,6-Trichlorophenol	410	U

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: JAAFM **Client ID:** GRSB2(13-14)

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/2/2006 **Prep Batch:** 6214386

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 18.766

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.7**	**49.2**	**5030**	~~*~~	J 1	**ICPST**	**8/11/2006**	**15:06**
Antimony	206.84	0.57	14.8	0.57	~~UN~~	UJ 1	ICPST	8/11/2006	15:06
Arsenic	**189.04**	**0.47**	**2.5**	**2.2**	~~B~~	J 1	**ICPST**	**8/11/2006**	**15:06**
Barium	**493.41**	**0.034**	**49.2**	**37.8**	~~B~~	J 1	**ICPST**	**8/11/2006**	**15:06**
Beryllium	**313.04**	**0.042**	**1.2**	1.2 ~~0.29~~	~~B~~	U 1	**ICPST**	**8/11/2006**	**15:06**
Cadmium	226.50	0.076	1.2	0.076	U	1	ICPST	8/11/2006	15:06
Calcium	**317.93**	**1.0**	**1230**	1230 ~~351~~	~~B~~	U 1	**ICPST**	**8/11/2006**	**15:06**
Chromium	**267.72**	**0.15**	**2.5**	**5.2**	~~N~~	J 1	**ICPST**	**8/11/2006**	**15:06**
Cobalt	**228.62**	**0.16**	**12.3**	**4.5**	~~B~~	J 1	**ICPST**	**8/11/2006**	**15:06**
Copper	**324.75**	**0.22**	**6.2**	**31.5**	~~*~~	J 1	**ICPST**	**8/11/2006**	**15:06**
Iron	**271.44**	**3.3**	**24.6**	**9880**	~~*~~	J 1	**ICPST**	**8/11/2006**	**15:06**
Lead	**220.35**	**0.39**	**0.74**	**6.2**		1	**ICPST**	**8/11/2006**	**15:06**
Magnesium	**279.08**	**1.3**	**1230**	**1800**		1	**ICPST**	**8/11/2006**	**15:06**
Manganese	**257.61**	**0.037**	**3.7**	**143**	~~*~~	J 1	**ICPST**	**8/11/2006**	**15:06**
Nickel	**231.60**	**0.17**	**9.8**	**9.3**	~~B~~	J 1	**ICPST**	**8/11/2006**	**15:06**
Potassium	**766.49**	**2.6**	**1230**	1230 ~~617~~	~~BE~~	U 1	**ICPST**	**8/11/2006**	**15:06**
Selenium	**220.35**	**0.49**	**1.2**	**0.63**	~~B~~	J 1	**ICPST**	**8/11/2006**	**15:06**
Silver	328.07	0.11	2.5	0.11	U	1	ICPST	8/11/2006	15:06
Sodium	**330.23**	**24.6**	**1230**	**129**	~~B~~	J 1	**ICPST**	**8/11/2006**	**15:06**
Thallium	190.86	0.69	2.5	0.69	U	1	ICPST	8/11/2006	15:06
Vanadium	**292.40**	**0.14**	**12.3**	**5.2**	~~B~~	J 1	**ICPST**	**8/11/2006**	**15:06**
Zinc	**206.2**	**0.25**	**4.9**	**63.5**	~~*~~	J 1	**ICPST**	**8/11/2006**	**15:06**

Comments: Lot #: C6G290164 Sample #: 1Color:pre- brown, post- brown. Texture:pre- medium, post fine. Artfacts: stones.

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: JAAFM **Client ID:** GRSB2(13-14)

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/14/2006 **Prep Batch:** 6226062

Weight: .2 **Volume:** 100 **Percent Moisture:** 18.766

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.026	0.12	~~0.075~~ 0.12	~~B~~ U	1	CVAA	8/14/2006	10:06

Comments: Lot #: C6G290164 Sample #: 1

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

The RETEC Group, Inc.

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 002
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 07/29/06
Work Order: JAAFP1AK Date Extracted:08/01/06
Dilution factor: 1 Date Analyzed: 08/01/06
Moisture %:16
QC Batch: 6213037

Client Sample Id: GRSB20(13-14)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	Acetone	40	~~B~~ U
71-43-2	Benzene	12	U
75-27-4	Bromodichloromethane	12	U
75-25-2	Bromoform	12	U
74-83-9	Bromomethane	12	U
78-93-3	2-Butanone	12	U
75-15-0	Carbon disulfide	12	U
56-23-5	Carbon tetrachloride	12	U
108-90-7	Chlorobenzene	12	U
75-00-3	Chloroethane	12	U
67-66-3	Chloroform	12	U
74-87-3	Chloromethane	12	U
110-82-7	Cyclohexane	12	U
124-48-1	Dibromochloromethane	12	U
~~96-12-8~~	~~1,2-Dibromo-3-chloropropane~~	~~12~~ R	~~U~~
106-93-4	1,2-Dibromoethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
75-71-8	Dichlorodifluoromethane	12	U
75-34-3	1,1-Dichloroethane	12	U
107-06-2	1,2-Dichloroethane	12	U
75-35-4	1,1-Dichloroethene	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 002
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 07/29/06
Work Order: JAAFP1AK Date Extracted:08/01/06
Dilution factor: 1 Date Analyzed: 08/01/06
Moisture %:16
QC Batch: 6213037

Client Sample Id: GRSB20(13-14)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	
100-41-4	Ethylbenzene	12	U	
591-78-6	2-Hexanone	12	U	
98-82-8	Isopropylbenzene	12	U	
79-20-9	Methyl acetate	12	U	
75-09-2	Methylene chloride	~~5.3~~	~~J B~~	12 U
108-87-2	Methylcyclohexane	12	U	
108-10-1	4-Methyl-2-pentanone	12	U	
1634-04-4	Methyl tert-butyl ether	12	U	
100-42-5	Styrene	12	U	
79-34-5	1,1,2,2-Tetrachloroethane	12	U	
120-82-1	1,2,4-Trichlorobenzene	12	U	
127-18-4	Tetrachloroethene	12	U	
71-55-6	1,1,1-Trichloroethane	12	U	
79-00-5	1,1,2-Trichloroethane	12	U	
79-01-6	Trichloroethene	12	U	
75-69-4	Trichlorofluoromethane	12	U	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	12	U	
108-88-3	Toluene	12	U	
75-01-4	Vinyl chloride	12	U	
1330-20-7	Xylenes (total)	12	U	

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 002
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 07/29/06
Work Order: JAAFP1AL Date Extracted:08/05/06
Dilution factor: 1 Date Analyzed: 08/10/06
Moisture %:16

QC Batch: 6217057

Client Sample Id: GRSB20(13-14)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	390	U
208-96-8	Acenaphthylene	390	U
98-86-2	Acetophenone	390	U
120-12-7	Anthracene	390	U
1912-24-9	Atrazine	390	U
56-55-3	Benzo(a)anthracene	390	U
50-32-8	Benzo(a)pyrene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
191-24-2	Benzo(ghi)perylene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
100-52-7	Benzaldehyde	390	U
92-52-4	1,1'-Biphenyl	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
111-44-4	bis(2-Chloroethyl) ether	390	U
117-81-7	bis(2-Ethylhexyl) phthalate	390	U
101-55-3	4-Bromophenyl phenyl ether	390	U
85-68-7	Butyl benzyl phthalate	390	U
105-60-2	**Caprolactam**	**72**	**J**
86-74-8	Carbazole	390	U
106-47-8	4-Chloroaniline	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-58-7	2-Chloronaphthalene	390	U
95-57-8	2-Chlorophenol	390	U
7005-72-3	4-Chlorophenyl phenyl ether	390	U
218-01-9	Chrysene	390	U
53-70-3	Dibenz(a,h)anthracene	390	U
132-64-9	Dibenzofuran	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 002
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 07/29/06
Work Order: JAAFP1AL Date Extracted:08/05/06
Dilution factor: 1 Date Analyzed: 08/10/06
Moisture %:16

QC Batch: 6217057

Client Sample Id: GRSB20(13-14)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
120-83-2	2,4-Dichlorophenol	390	U
84-66-2	Diethyl phthalate	390	U
105-67-9	2,4-Dimethylphenol	390	U
131-11-3	Dimethyl phthalate	390	U
84-74-2	Di-n-butyl phthalate	390	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
51-28-5	2,4-Dinitrophenol	980	U
121-14-2	2,4-Dinitrotoluene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
117-84-0	Di-n-octyl phthalate	390	U
206-44-0	Fluoranthene	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-68-3	Hexachlorobutadiene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
67-72-1	Hexachloroethane	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
78-59-1	Isophorone	390	U
91-57-6	2-Methylnaphthalene	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
88-74-4	2-Nitroaniline	980	U
99-09-2	3-Nitroaniline	980	U
100-01-6	4-Nitroaniline	980	U
98-95-3	Nitrobenzene	390	U
88-75-5	2-Nitrophenol	390	U
100-02-7	4-Nitrophenol	980	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 002
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 07/29/06
Work Order: JAAFP1AL Date Extracted:08/05/06
Dilution factor: 1 Date Analyzed: 08/10/06
Moisture %:16

QC Batch: 6217057

Client Sample Id: GRSB20(13-14)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
621-64-7	N-Nitrosodi-n-propylamine	390	U
86-30-6	N-Nitrosodiphenylamine	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	390	U
108-95-2	Phenol	390	U
129-00-0	Pyrene	390	U
95-95-4	2,4,5-Trichlorophenol	980	U
88-06-2	2,4,6-Trichlorophenol	390	U

FORM I

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: JAAFP **Client ID:** GRSB20(13-14)

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/2/2006 **Prep Batch:** 6214386

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 15.722

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.6**	**47.5**	**5650**	~~-~~	J 1	ICPST	8/11/2006	15:11
Antimony	206.84	0.55	14.2	0.55	~~UN~~	UJ 1	ICPST	8/11/2006	15:11
Arsenic	**189.04**	**0.45**	**2.4**	**1.6**	~~B~~	J 1	ICPST	8/11/2006	15:11
Barium	**493.41**	**0.033**	**47.5**	**47.7**		1	ICPST	8/11/2006	15:11
Beryllium	**313.04**	**0.040**	**1.2**	~~1.2 0.31~~	~~B~~	U 1	ICPST	8/11/2006	15:11
Cadmium	226.50	0.074	1.2	0.074	U	1	ICPST	8/11/2006	15:11
Calcium	**317.93**	**0.97**	**1190**	~~1190 457~~	~~B~~	U 1	ICPST	8/11/2006	15:11
Chromium	**267.72**	**0.14**	**2.4**	**5.4**	~~N~~	J 1	ICPST	8/11/2006	15:11
Cobalt	**228.62**	**0.15**	**11.9**	**4.6**	~~B~~	J 1	ICPST	8/11/2006	15:11
Copper	**324.75**	**0.22**	**5.9**	**15.7**	~~-~~	J 1	ICPST	8/11/2006	15:11
Iron	**271.44**	**3.2**	**23.7**	**10200**	~~-~~	J 1	ICPST	8/11/2006	15:11
Lead	**220.35**	**0.38**	**0.71**	**5.6**		1	ICPST	8/11/2006	15:11
Magnesium	**279.08**	**1.2**	**1190**	**2040**		1	ICPST	8/11/2006	15:11
Manganese	**257.61**	**0.036**	**3.6**	**138**	~~-~~	J 1	ICPST	8/11/2006	15:11
Nickel	**231.60**	**0.17**	**9.5**	**10.4**		1	ICPST	8/11/2006	15:11
Potassium	**766.49**	**2.5**	**1190**	~~1190 642~~	~~BE~~	U 1	ICPST	8/11/2006	15:11
Selenium	**220.35**	**0.47**	**1.2**	**0.51**	~~B~~	J 1	ICPST	8/11/2006	15:11
Silver	328.07	0.11	2.4	0.11	U	1	ICPST	8/11/2006	15:11
Sodium	**330.23**	**23.7**	**1190**	**85.8**	~~B~~	J 1	ICPST	8/11/2006	15:11
Thallium	190.86	0.66	2.4	0.66	U	1	ICPST	8/11/2006	15:11
Vanadium	**292.40**	**0.13**	**11.9**	**5.5**	~~B~~	J 1	ICPST	8/11/2006	15:11
Zinc	**206.2**	**0.24**	**4.7**	**53.6**	~~-~~	J 1	ICPST	8/11/2006	15:11

Comments: Lot #: C6G290164 Sample #: 2Color:pre- brown, post- brown, Texture:pre- medium, post fine. Artfacts: stones.

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: JAAFP **Client ID:** GRSB20(13-14)

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/14/2006 **Prep Batch:** 6226062

Weight: .2 **Volume:** 100 **Percent Moisture:** 15.722

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.025	0.12	~~0.048~~ 0.12 U	~~B~~	1	CVAA	8/14/2006	10:08

Comments: Lot #: C6G290164 Sample #: 2

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

The RETEC Group, Inc.

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 003
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 07/29/06
Work Order: JAAFR1AK Date Extracted:08/01/06
Dilution factor: 1 Date Analyzed: 08/01/06
Moisture %:9.3
QC Batch: 6213037
Client Sample Id: GRSB2(22-24)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	Acetone	20	~~B~~ U
71-43-2	Benzene	11	U
75-27-4	Bromodichloromethane	11	U
75-25-2	Bromoform	11	U
74-83-9	Bromomethane	11	U
78-93-3	2-Butanone	11	U
75-15-0	Carbon disulfide	11	U
56-23-5	Carbon tetrachloride	11	U
108-90-7	Chlorobenzene	11	U
75-00-3	Chloroethane	11	U
67-66-3	Chloroform	11	U
74-87-3	Chloromethane	11	U
110-82-7	Cyclohexane	11	U
124-48-1	Dibromochloromethane	11	U
~~96-12-8~~	~~1,2-Dibromo-3-chloropropane~~	~~11~~ R	~~U~~
106-93-4	1,2-Dibromoethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
75-71-8	Dichlorodifluoromethane	11	U
75-34-3	1,1-Dichloroethane	11	U
107-06-2	1,2-Dichloroethane	11	U
75-35-4	1,1-Dichloroethene	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 003
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 07/29/06
Work Order: JAAFR1AK Date Extracted:08/01/06
Dilution factor: 1 Date Analyzed: 08/01/06
Moisture %:9.3
QC Batch: 6213037

Client Sample Id: GRSB2(22-24)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q	
100-41-4	Ethylbenzene	11	U	
591-78-6	2-Hexanone	11	U	
98-82-8	Isopropylbenzene	11	U	
79-20-9	Methyl acetate	11	U	
75-09-2	Methylene chloride	~~5.5~~	~~J B~~	11 U
108-87-2	Methylcyclohexane	11	U	
108-10-1	4-Methyl-2-pentanone	11	U	
1634-04-4	Methyl tert-butyl ether	11	U	
100-42-5	Styrene	11	U	
79-34-5	1,1,2,2-Tetrachloroethane	11	U	
120-82-1	1,2,4-Trichlorobenzene	11	U	
127-18-4	Tetrachloroethene	11	U	
71-55-6	1,1,1-Trichloroethane	11	U	
79-00-5	1,1,2-Trichloroethane	11	U	
79-01-6	Trichloroethene	11	U	
75-69-4	Trichlorofluoromethane	11	U	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	11	U	
108-88-3	Toluene	11	U	
75-01-4	Vinyl chloride	11	U	
1330-20-7	Xylenes (total)	11	U	

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 003
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 07/29/06
Work Order: JAAFR1AL Date Extracted:08/05/06
Dilution factor: 1 Date Analyzed: 08/10/06
Moisture %:9.3

QC Batch: 6217057

Client Sample Id: GRSB2(22-24)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	360	U
208-96-8	Acenaphthylene	360	U
98-86-2	Acetophenone	360	U
120-12-7	Anthracene	360	U
1912-24-9	Atrazine	360	U
56-55-3	Benzo(a)anthracene	360	U
50-32-8	Benzo(a)pyrene	360	U
205-99-2	Benzo(b)fluoranthene	360	U
191-24-2	Benzo(ghi)perylene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
100-52-7	Benzaldehyde	360	U
92-52-4	1,1'-Biphenyl	360	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
111-44-4	bis(2-Chloroethyl) ether	360	U
117-81-7	bis(2-Ethylhexyl) phthalate	360	U
101-55-3	4-Bromophenyl phenyl ether	360	U
85-68-7	Butyl benzyl phthalate	360	U
105-60-2	Caprolactam	73	J
86-74-8	Carbazole	360	U
106-47-8	4-Chloroaniline	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-58-7	2-Chloronaphthalene	360	U
95-57-8	2-Chlorophenol	360	U
7005-72-3	4-Chlorophenyl phenyl ether	360	U
218-01-9	Chrysene	360	U
53-70-3	Dibenz(a,h)anthracene	360	U
132-64-9	Dibenzofuran	360	U
91-94-1	3,3'-Dichlorobenzidine	360	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 003
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 07/29/06
Work Order: JAAFR1AL Date Extracted:08/05/06
Dilution factor: 1 Date Analyzed: 08/10/06
Moisture %:9.3
QC Batch: 6217057

Client Sample Id: GRSB2(22-24)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
120-83-2	2,4-Dichlorophenol	360	U
84-66-2	Diethyl phthalate	360	U
105-67-9	2,4-Dimethylphenol	360	U
131-11-3	Dimethyl phthalate	360	U
84-74-2	Di-n-butyl phthalate	360	U
534-52-1	4,6-Dinitro-2-methylphenol	910	U
51-28-5	2,4-Dinitrophenol	910	U
121-14-2	2,4-Dinitrotoluene	360	U
606-20-2	2,6-Dinitrotoluene	360	U
117-84-0	Di-n-octyl phthalate	360	U
206-44-0	Fluoranthene	360	U
86-73-7	Fluorene	360	U
118-74-1	Hexachlorobenzene	360	U
87-68-3	Hexachlorobutadiene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
67-72-1	Hexachloroethane	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
78-59-1	Isophorone	360	U
91-57-6	2-Methylnaphthalene	360	U
95-48-7	2-Methylphenol	360	U
106-44-5	4-Methylphenol	360	U
91-20-3	Naphthalene	360	U
88-74-4	2-Nitroaniline	910	U
99-09-2	3-Nitroaniline	910	U
100-01-6	4-Nitroaniline	910	U
98-95-3	Nitrobenzene	360	U
88-75-5	2-Nitrophenol	360	U
100-02-7	4-Nitrophenol	910	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6G290164 003
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 07/29/06
Work Order: JAAFR1AL Date Extracted:08/05/06
Dilution factor: 1 Date Analyzed: 08/10/06
Moisture %:9.3

QC Batch: 6217057

Client Sample Id: GRSB2(22-24)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
621-64-7	N-Nitrosodi-n-propylamine	360	U
86-30-6	N-Nitrosodiphenylamine	360	U
108-60-1	2,2'-oxybis(1-Chloropropane)	360	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	360	U
108-95-2	Phenol	360	U
129-00-0	Pyrene	360	U
95-95-4	2,4,5-Trichlorophenol	910	U
88-06-2	2,4,6-Trichlorophenol	360	U

FORM I

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: JAAFR **Client ID:** GRSB2(22-24)

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/2/2006 **Prep Batch:** 6214386

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 9.256

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.5**	**44.1**	**8870**	J	1	**ICPST**	**8/11/2006**	**15:17**
Antimony	206.84	0.51	13.2	0.51	~~UN~~ UJ	1	ICPST	8/11/2006	15:17
Arsenic	**189.04**	**0.42**	**2.2**	**3.2**		1	**ICPST**	**8/11/2006**	**15:17**
Barium	**493.41**	**0.031**	**44.1**	**31.0**	~~B~~ J	1	**ICPST**	**8/11/2006**	**15:17**
Beryllium	**313.04**	**0.037**	**1.1**	1.1 ~~0.41~~ ~~B~~	U	1	**ICPST**	**8/11/2006**	**15:17**
Cadmium	226.50	0.068	1.1	0.068	U	1	ICPST	8/11/2006	15:17
Calcium	**317.93**	**0.90**	**1100**	1100 ~~433~~ ~~B~~	U	1	**ICPST**	**8/11/2006**	**15:17**
Chromium	**267.72**	**0.13**	**2.2**	**11.6**	~~N~~ J	1	**ICPST**	**8/11/2006**	**15:17**
Cobalt	**228.62**	**0.14**	**11.0**	**5.6**	~~B~~ J	1	**ICPST**	**8/11/2006**	**15:17**
Copper	**324.75**	**0.20**	**5.5**	**3.0**	~~B~~ J	1	**ICPST**	**8/11/2006**	**15:17**
Iron	**271.44**	**3.0**	**22.0**	**18700**	J	1	**ICPST**	**8/11/2006**	**15:17**
Lead	**220.35**	**0.35**	**0.66**	**2.7**		1	**ICPST**	**8/11/2006**	**15:17**
Magnesium	**279.08**	**1.1**	**1100**	**3690**		1	**ICPST**	**8/11/2006**	**15:17**
Manganese	**257.61**	**0.033**	**3.3**	**161**	J	1	**ICPST**	**8/11/2006**	**15:17**
Nickel	**231.60**	**0.16**	**8.8**	**16.6**		1	**ICPST**	**8/11/2006**	**15:17**
Potassium	**766.49**	**2.3**	**1100**	1100 ~~732~~ ~~BE~~	U	1	**ICPST**	**8/11/2006**	**15:17**
Selenium	**220.35**	**0.44**	**1.1**	**0.60**	~~B~~ J	1	**ICPST**	**8/11/2006**	**15:17**
Silver	328.07	0.099	2.2	0.099	U	1	ICPST	8/11/2006	15:17
Sodium	**330.23**	**22.0**	**1100**	**132**	~~B~~ J	1	**ICPST**	**8/11/2006**	**15:17**
Thallium	190.86	0.62	2.2	0.62	U	1	ICPST	8/11/2006	15:17
Vanadium	**292.40**	**0.12**	**11.0**	**9.5**	~~B~~ J	1	**ICPST**	**8/11/2006**	**15:17**
Zinc	**206.2**	**0.22**	**4.4**	**42.3**	J	1	**ICPST**	**8/11/2006**	**15:17**

Comments: Lot #: C6G290164 Sample #: 3Color:pre- brown, post- brown. Texture:pre- medium, post fine. Artfacts: stones,

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: JAAFR **Client ID:** GRSB2(22-24)

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/14/2006 **Prep Batch:** 6226062

Weight: .2 **Volume:** 100 **Percent Moisture:** 9.256

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.023	0.11	~~0.034~~ 0.11	~~B~~ U	1	CVAA	8/14/2006	10:10

Comments: Lot #: C6G290164 Sample #: 3

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 005
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 06/28/06
Work Order: H8DVE1AK Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/06/06
Moisture %:12

QC Batch: 6187555

Client Sample Id: GRSB3(4-5)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	Acetone	11	U
71-43-2	Benzene	11	U
75-27-4	Bromodichloromethane	11	U
75-25-2	Bromoform	11	U
74-83-9	Bromomethane	11	U
78-93-3	2-Butanone	11	U
75-15-0	Carbon disulfide	11	U
56-23-5	Carbon tetrachloride	11	U
108-90-7	Chlorobenzene	11	U
75-00-3	Chloroethane	11	U
67-66-3	Chloroform	11	U
74-87-3	Chloromethane	11	U
110-82-7	Cyclohexane	11	U
124-48-1	Dibromochloromethane	11	U
96-12-8	1,2-Dibromo-3-chloropropane	11	U
106-93-4	1,2-Dibromoethane	11	U
541-73-1	1,3-Dichlorobenzene	11	U
106-46-7	1,4-Dichlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	11	U
75-71-8	Dichlorodifluoromethane	11	U
75-34-3	1,1-Dichloroethane	11	U
107-06-2	1,2-Dichloroethane	11	U
75-35-4	1,1-Dichloroethene	11	U
156-59-2	cis-1,2-Dichloroethene	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 005
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 06/28/06
Work Order: H8DVE1AK Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/06/06
Moisture %:12
QC Batch: 6187555

Client Sample Id: GRSB3(4-5)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-41-4	Ethylbenzene	11	U
591-78-6	2-Hexanone	11	U
98-82-8	Isopropylbenzene	11	U
79-20-9	Methyl acetate	11	U J
75-09-2	Methylene chloride	~~3.8~~	~~J B~~ 11U
108-87-2	Methylcyclohexane	11	U
108-10-1	4-Methyl-2-pentanone	11	U
1634-04-4	Methyl tert-butyl ether	11	U
100-42-5	Styrene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
120-82-1	1,2,4-Trichlorobenzene	11	U
127-18-4	Tetrachloroethene	11	U
71-55-6	1,1,1-Trichloroethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
79-01-6	Trichloroethene	11	U
75-69-4	Trichlorofluoromethane	11	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	11	U
108-88-3	Toluene	11	U
75-01-4	Vinyl chloride	11	U
1330-20-7	Xylenes (total)	11	U

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 005
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 06/28/06
Work Order: H8DVE1AL Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/10/06
Moisture %:12

QC Batch: 6187024

Client Sample Id: GRSB3(4-5)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	370	U
208-96-8	Acenaphthylene	370	U
98-86-2	**Acetophenone**	**83**	**J**
120-12-7	Anthracene	370	U
1912-24-9	Atrazine	370	U
56-55-3	Benzo(a)anthracene	370	U
50-32-8	Benzo(a)pyrene	370	U
205-99-2	Benzo(b)fluoranthene	370	U
191-24-2	Benzo(ghi)perylene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
100-52-7	Benzaldehyde	370	U
92-52-4	1,1'-Biphenyl	370	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
111-44-4	bis(2-Chloroethyl) ether	370	U
117-81-7	bis(2-Ethylhexyl) phthalate	370	U
101-55-3	4-Bromophenyl phenyl ether	370	U
85-68-7	Butyl benzyl phthalate	370	U
105-60-2	**Caprolactam**	**39**	**J**
86-74-8	Carbazole	370	U
106-47-8	4-Chloroaniline	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-58-7	2-Chloronaphthalene	370	U
95-57-8	2-Chlorophenol	370	U
7005-72-3	4-Chlorophenyl phenyl ether	370	U
218-01-9	Chrysene	370	U
53-70-3	Dibenz(a,h)anthracene	370	U
132-64-9	Dibenzofuran	370	U
91-94-1	3,3'-Dichlorobenzidine	370	U

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 005
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 06/28/06
Work Order: H8DVE1AL Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/10/06
Moisture %:12

QC Batch: 6187024

Client Sample Id: GRSB3(4-5)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
120-83-2	2,4-Dichlorophenol	370	U
84-66-2	Diethyl phthalate	370	U
105-67-9	2,4-Dimethylphenol	370	U
131-11-3	Dimethyl phthalate	370	U
84-74-2	Di-n-butyl phthalate	370	U
534-52-1	4,6-Dinitro-2-methylphenol	940	U
51-28-5	2,4-Dinitrophenol	940	U
121-14-2	2,4-Dinitrotoluene	370	U
606-20-2	2,6-Dinitrotoluene	370	U
117-84-0	Di-n-octyl phthalate	370	U
206-44-0	Fluoranthene	370	U
86-73-7	Fluorene	370	U
118-74-1	Hexachlorobenzene	370	U
87-68-3	Hexachlorobutadiene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
67-72-1	Hexachloroethane	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
78-59-1	Isophorone	370	U
91-57-6	2-Methylnaphthalene	370	U
95-48-7	2-Methylphenol	370	U
106-44-5	4-Methylphenol	370	U
91-20-3	Naphthalene	370	U
88-74-4	2-Nitroaniline	940	U
99-09-2	3-Nitroaniline	940	U
100-01-6	4-Nitroaniline	940	U
98-95-3	Nitrobenzene	370	U
88-75-5	2-Nitrophenol	370	U
100-02-7	4-Nitrophenol	940	U

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 005
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 06/28/06
Work Order: H8DVE1AL Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/10/06
Moisture %:12

QC Batch: 6187024

Client Sample Id: GRSB3(4-5)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
621-64-7	N-Nitrosodi-n-propylamine	370	U
86-30-6	N-Nitrosodiphenylamine	370	U
108-60-1	2,2'-oxybis(1-Chloropropane)	370	U
87-86-5	Pentachlorophenol	940	U
85-01-8	Phenanthrene	370	U
108-95-2	Phenol	370	U
129-00-0	Pyrene	370	U
95-95-4	2,4,5-Trichlorophenol	940	U
88-06-2	2,4,6-Trichlorophenol	370	U

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: H8DVE **Client ID:** GRSB3(4-5)

Matrix: Soil **Units:** mg/kg **Prep Date:** 6/29/2006 **Prep Batch:** 6180029

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 11.5

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.4**	**45.2**	**4670**		**1**	**ICPST**	**7/1/2006**	**19:30**
Antimony	220.35	0.43	13.6	0.43	~~UN~~ UJ	1	ICPST	7/1/2006	19:30
Arsenic	**189.04**	**0.23**	**2.3**	**1.6**	~~B~~ J	**1**	**ICPST**	**7/1/2006**	**19:30**
Barium	**493.41**	**0.034**	**45.2**	**30.2**	~~B~~ J	**1**	**ICPST**	**7/1/2006**	**19:30**
Beryllium	**313.04**	**0.041**	**1.1**	1.1 ~~0.36~~ ~~B~~	U	**1**	**ICPST**	**7/1/2006**	**19:30**
Cadmium	226.50	0.036	1.1	0.036	U	1	ICPST	7/1/2006	19:30
Calcium	**317.93**	**2.5**	**1130**	1130 ~~360~~ ~~B~~	U	**1**	**ICPST**	**7/1/2006**	**19:30**
Chromium	**267.72**	**0.097**	**2.3**	**4.6**		**1**	**ICPST**	**7/1/2006**	**19:30**
Cobalt	**228.62**	**0.11**	**11.3**	**4.2**	~~B~~ J	**1**	**ICPST**	**7/1/2006**	**19:30**
Copper	**324.75**	**0.075**	**5.6**	**4.0**	~~BE~~ J	**1**	**ICPST**	**7/1/2006**	**19:30**
Iron	**271.44**	**4.3**	**22.6**	**9320**		**1**	**ICPST**	**7/1/2006**	**19:30**
Lead	**220.35**	**0.25**	**0.68**	**3.1**	~~-~~	**1**	**ICPST**	**7/1/2006**	**19:30**
Magnesium	**279.08**	**1.5**	**1130**	**1710**		**1**	**ICPST**	**7/1/2006**	**19:30**
Manganese	**257.61**	**0.038**	**3.4**	**266**		**1**	**ICPST**	**7/1/2006**	**19:30**
Nickel	**231.60**	**0.22**	**9.0**	**8.8**	~~B~~ J	**1**	**ICPST**	**7/1/2006**	**19:30**
Potassium	**766.49**	**2.1**	**1130**	1130 ~~563~~ ~~BE~~	U	**1**	**ICPST**	**7/1/2006**	**19:30**
Selenium	220.35	0.36	1.1	0.36	U	1	ICPST	7/1/2006	19:30
Silver	**328.07**	**0.11**	**2.3**	**0.12**	~~B~~ J	**1**	**ICPST**	**7/1/2006**	**19:30**
Sodium	**330.23**	**39.3**	**1130**	**39.8**	~~B~~ J	**1**	**ICPST**	**7/1/2006**	**19:30**
Thallium	190.86	0.59	2.3	0.59	U	1	ICPST	7/1/2006	19:30
Vanadium	**292.40**	**0.16**	**11.3**	11.3 ~~4.4~~ ~~B~~	U	**1**	**ICPST**	**7/1/2006**	**19:30**
Zinc	**213.86**	**0.18**	**4.5**	**28.5**		**1**	**ICPST**	**7/1/2006**	**19:30**

Comments: Lot #: C6F280229 Sample #: 5Color:pre- brown, post- brwon. Texture:pre- medium, pos-t fine.Artifacts. Stones, organic

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: H8DVE **Client ID:** GRSB3(4-5)

Matrix: Soil **Units:** mg/kg **Prep Date:** 7/13/2006 **Prep Batch:** 6194013

Weight: .2 **Volume:** 100 **Percent Moisture:** 11.5

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.013	0.11	~~0.027~~ 0.11	~~BN~~ U	1	CVAA	7/13/2006	8:47

Comments: Lot #: C6F280229 Sample #: 5

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 006
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 06/28/06
Work Order: H8DVF1AK Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/06/06
Moisture %:15

QC Batch: 6187555

Client Sample Id: GRSB3(6-7)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	Acetone	12	U
71-43-2	Benzene	12	U
75-27-4	Bromodichloromethane	12	U
75-25-2	Bromoform	12	U
74-83-9	Bromomethane	12	U
78-93-3	2-Butanone	12	U
75-15-0	Carbon disulfide	12	U
56-23-5	Carbon tetrachloride	12	U
108-90-7	Chlorobenzene	12	U
75-00-3	Chloroethane	12	U
67-66-3	Chloroform	12	U
74-87-3	Chloromethane	12	U
110-82-7	Cyclohexane	12	U
124-48-1	Dibromochloromethane	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
106-93-4	1,2-Dibromoethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
75-71-8	Dichlorodifluoromethane	12	U
75-34-3	1,1-Dichloroethane	12	U
107-06-2	1,2-Dichloroethane	12	U
75-35-4	1,1-Dichloroethene	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 006
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 06/28/06
Work Order: H8DVF1AK Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/06/06
Moisture %:15

QC Batch: 6187555

Client Sample Id: GRSB3(6-7)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-41-4	Ethylbenzene	12	U
591-78-6	2-Hexanone	12	U
98-82-8	Isopropylbenzene	12	U
79-20-9	Methyl acetate	12	U J
75-09-2	Methylene chloride	~~4.2~~	~~J B~~ 12U
108-87-2	Methylcyclohexane	12	U
108-10-1	4-Methyl-2-pentanone	12	U
1634-04-4	Methyl tert-butyl ether	12	U
100-42-5	Styrene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U
127-18-4	Tetrachloroethene	12	U
71-55-6	1,1,1-Trichloroethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
79-01-6	Trichloroethene	12	U
75-69-4	Trichlorofluoromethane	12	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	12	U
108-88-3	Toluene	12	U
75-01-4	Vinyl chloride	12	U
1330-20-7	Xylenes (total)	12	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 006
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 06/28/06
Work Order: H8DVF1AL Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/10/06
Moisture %:15

QC Batch: 6187024

Client Sample Id: GRSB3(6-7)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	390	U
208-96-8	Acenaphthylene	390	U
98-86-2	**Acetophenone**	**83**	**J**
120-12-7	Anthracene	390	U
1912-24-9	Atrazine	390	U
56-55-3	Benzo(a)anthracene	390	U
50-32-8	Benzo(a)pyrene	390	U
205-99-2	Benzo(b)fluoranthene	390	U
191-24-2	Benzo(ghi)perylene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
100-52-7	Benzaldehyde	390	U
92-52-4	1,1'-Biphenyl	390	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
111-44-4	bis(2-Chloroethyl) ether	390	U
117-81-7	**bis(2-Ethylhexyl) phthalate**	**740**	
101-55-3	4-Bromophenyl phenyl ether	390	U
85-68-7	Butyl benzyl phthalate	390	U
105-60-2	Caprolactam	390	U
86-74-8	Carbazole	390	U
106-47-8	4-Chloroaniline	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-58-7	2-Chloronaphthalene	390	U
95-57-8	2-Chlorophenol	390	U
7005-72-3	4-Chlorophenyl phenyl ether	390	U
218-01-9	Chrysene	390	U
53-70-3	Dibenz(a,h)anthracene	390	U
132-64-9	Dibenzofuran	390	U
91-94-1	3,3'-Dichlorobenzidine	390	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 006
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 06/28/06
Work Order: H8DVF1AL Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/10/06
Moisture %:15

QC Batch: 6187024

Client Sample Id: GRSB3(6-7)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
120-83-2	2,4-Dichlorophenol	390	U
84-66-2	Diethyl phthalate	390	U
105-67-9	2,4-Dimethylphenol	390	U
131-11-3	Dimethyl phthalate	390	U
84-74-2	Di-n-butyl phthalate	390	U
534-52-1	4,6-Dinitro-2-methylphenol	980	U
51-28-5	2,4-Dinitrophenol	980	U
121-14-2	2,4-Dinitrotoluene	390	U
606-20-2	2,6-Dinitrotoluene	390	U
117-84-0	**Di-n-octyl phthalate**	**53**	**J**
206-44-0	Fluoranthene	390	U
86-73-7	Fluorene	390	U
118-74-1	Hexachlorobenzene	390	U
87-68-3	Hexachlorobutadiene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
67-72-1	Hexachloroethane	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
78-59-1	Isophorone	390	U
91-57-6	2-Methylnaphthalene	390	U
95-48-7	2-Methylphenol	390	U
106-44-5	4-Methylphenol	390	U
91-20-3	Naphthalene	390	U
88-74-4	2-Nitroaniline	980	U
99-09-2	3-Nitroaniline	980	U
100-01-6	4-Nitroaniline	980	U
98-95-3	Nitrobenzene	390	U
88-75-5	2-Nitrophenol	390	U
100-02-7	4-Nitrophenol	980	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 006
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 06/28/06
Work Order: H8DVF1AL Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/10/06
Moisture %:15

QC Batch: 6187024

Client Sample Id: GRSB3(6-7)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
621-64-7	N-Nitrosodi-n-propylamine	390	U
86-30-6	N-Nitrosodiphenylamine	390	U
108-60-1	2,2'-oxybis(1-Chloropropane)	390	U
87-86-5	Pentachlorophenol	980	U
85-01-8	Phenanthrene	390	U
108-95-2	Phenol	390	U
129-00-0	Pyrene	390	U
95-95-4	2,4,5-Trichlorophenol	980	U
88-06-2	2,4,6-Trichlorophenol	390	U

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: H8DVF **Client ID:** GRSB3(6-7)

Matrix: Soil **Units:** mg/kg **Prep Date:** 6/29/2006 **Prep Batch:** 6180029

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 15.224

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.5**	**47.2**	**4470**		1	**ICPST**	**7/1/2006**	**19:36**
Antimony	220.35	0.45	14.2	0.45	~~UN~~ UJ	1	ICPST	7/1/2006	19:36
Arsenic	**189.04**	**0.24**	**2.4**	**1.4**	~~B~~ J	1	**ICPST**	**7/1/2006**	**19:36**
Barium	**493.41**	**0.035**	**47.2**	**39.8**	~~B~~ J	1	**ICPST**	**7/1/2006**	**19:36**
Beryllium	**313.04**	**0.042**	**1.2**	1.2 ~~0.37~~	~~B~~ U	1	**ICPST**	**7/1/2006**	**19:36**
Cadmium	226.50	0.038	1.2	0.038	U	1	ICPST	7/1/2006	19:36
Calcium	**317.93**	**2.6**	**1180**	1180 ~~424~~	~~B~~ U	1	**ICPST**	**7/1/2006**	**19:36**
Chromium	**267.72**	**0.10**	**2.4**	**4.8**		1	**ICPST**	**7/1/2006**	**19:36**
Cobalt	**228.62**	**0.12**	**11.8**	**4.0**	~~B~~ J	1	**ICPST**	**7/1/2006**	**19:36**
Copper	**324.75**	**0.078**	**5.9**	**3.9**	~~BE~~ J	1	**ICPST**	**7/1/2006**	**19:36**
Iron	**271.44**	**4.5**	**23.6**	**9070**		1	**ICPST**	**7/1/2006**	**19:36**
Lead	**220.35**	**0.26**	**0.71**	**8.1**	~~*~~	1	**ICPST**	**7/1/2006**	**19:36**
Magnesium	**279.08**	**1.6**	**1180**	**1650**		1	**ICPST**	**7/1/2006**	**19:36**
Manganese	**257.61**	**0.040**	**3.5**	**215**		1	**ICPST**	**7/1/2006**	**19:36**
Nickel	**231.60**	**0.23**	**9.4**	**8.6**	~~B~~ J	1	**ICPST**	**7/1/2006**	**19:36**
Potassium	**766.49**	**2.2**	**1180**	1180 ~~530~~	~~BE~~ U	1	**ICPST**	**7/1/2006**	**19:36**
Selenium	**220.35**	**0.38**	**1.2**	**0.41**	~~B~~ J	1	**ICPST**	**7/1/2006**	**19:36**
Silver	328.07	0.11	2.4	0.11	U	1	ICPST	7/1/2006	19:36
Sodium	**330.23**	**41.0**	**1180**	**68.0**	~~B~~ J	1	**ICPST**	**7/1/2006**	**19:36**
Thallium	190.86	0.61	2.4	0.61	U	1	ICPST	7/1/2006	19:36
Vanadium	**292.40**	**0.17**	**11.8**	11.8 ~~4.2~~	~~B~~ U	1	**ICPST**	**7/1/2006**	**19:36**
Zinc	**213.86**	**0.19**	**4.7**	**28.7**		1	**ICPST**	**7/1/2006**	**19:36**

Comments: Lot #: C6F280229 Sample #: 6Color:pre- brown, post- brwon. Texture:pre- medium, pos-t fine.Artifacts, Stones, organic

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: H8DVF **Client ID:** GRSB3(6-7)

Matrix: Soil **Units:** mg/kg **Prep Date:** 7/13/2006 **Prep Batch:** 6194013

Weight: .2 **Volume:** 100 **Percent Moisture:** 15.224

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.014	0.12	~~0.021~~ 0.12	~~BN~~ U	1	CVAA	7/13/2006	8:49

Comments: Lot #: C6F280229 Sample #: 6

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 003
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 06/28/06
Work Order: H8DVC1AK Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/06/06
Moisture %:17

QC Batch: 6187555

Client Sample Id: GRSB4(7-8)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	Acetone	12	U
71-43-2	Benzene	12	U
75-27-4	Bromodichloromethane	12	U
75-25-2	Bromoform	12	U
74-83-9	Bromomethane	12	U
78-93-3	2-Butanone	12	U
75-15-0	Carbon disulfide	12	U
56-23-5	Carbon tetrachloride	12	U
108-90-7	Chlorobenzene	12	U
75-00-3	Chloroethane	12	U
67-66-3	Chloroform	12	U
74-87-3	Chloromethane	12	U
110-82-7	Cyclohexane	12	U
124-48-1	Dibromochloromethane	12	U
96-12-8	1,2-Dibromo-3-chloropropane	12	U
106-93-4	1,2-Dibromoethane	12	U
541-73-1	1,3-Dichlorobenzene	12	U
106-46-7	1,4-Dichlorobenzene	12	U
95-50-1	1,2-Dichlorobenzene	12	U
75-71-8	Dichlorodifluoromethane	12	U
75-34-3	1,1-Dichloroethane	12	U
107-06-2	1,2-Dichloroethane	12	U
75-35-4	1,1-Dichloroethene	12	U
156-59-2	cis-1,2-Dichloroethene	12	U
156-60-5	trans-1,2-Dichloroethene	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U

FORM I

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID: C6F280229 003
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 06/28/06
Work Order: H8DVC1AK Date Extracted: 07/06/06
Dilution factor: 1 Date Analyzed: 07/06/06
Moisture %: 17

QC Batch: 6187555

Client Sample Id: GRSB4(7-8)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-41-4	Ethylbenzene	12	U
591-78-6	2-Hexanone	12	U
98-82-8	Isopropylbenzene	12	U
79-20-9	Methyl acetate	12	U J
75-09-2	Methylene chloride	~~3.4~~	~~J B~~ 12 U
108-87-2	Methylcyclohexane	12	U
108-10-1	4-Methyl-2-pentanone	12	U
1634-04-4	Methyl tert-butyl ether	12	U
100-42-5	Styrene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
120-82-1	1,2,4-Trichlorobenzene	12	U
127-18-4	Tetrachloroethene	12	U
71-55-6	1,1,1-Trichloroethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
79-01-6	Trichloroethene	12	U
75-69-4	Trichlorofluoromethane	12	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	12	U
108-88-3	Toluene	12	U
75-01-4	Vinyl chloride	12	U
1330-20-7	Xylenes (total)	12	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 003
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 06/28/06
Work Order: H8DVC1AL Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/10/06
Moisture %:17

QC Batch: 6187024

Client Sample Id: GRSB4(7-8)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	400	U
208-96-8	Acenaphthylene	400	U
98-86-2	**Acetophenone**	**88**	**J**
120-12-7	Anthracene	400	U
1912-24-9	Atrazine	400	U
56-55-3	Benzo(a)anthracene	400	U
50-32-8	Benzo(a)pyrene	400	U
205-99-2	Benzo(b)fluoranthene	400	U
191-24-2	Benzo(ghi)perylene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
100-52-7	Benzaldehyde	400	U
92-52-4	1,1'-Biphenyl	400	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
111-44-4	bis(2-Chloroethyl) ether	400	U
117-81-7	bis(2-Ethylhexyl) phthalate	400	U
101-55-3	4-Bromophenyl phenyl ether	400	U
85-68-7	Butyl benzyl phthalate	400	U
105-60-2	**Caprolactam**	**57**	**J**
86-74-8	Carbazole	400	U
106-47-8	4-Chloroaniline	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-58-7	2-Chloronaphthalene	400	U
95-57-8	2-Chlorophenol	400	U
7005-72-3	4-Chlorophenyl phenyl ether	400	U
218-01-9	Chrysene	400	U
53-70-3	Dibenz(a,h)anthracene	400	U
132-64-9	Dibenzofuran	400	U
91-94-1	3,3'-Dichlorobenzidine	400	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 003
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 06/28/06
Work Order: H8DVC1AL Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/10/06
Moisture %:17

QC Batch: 6187024

Client Sample Id: GRSB4(7-8)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
120-83-2	2,4-Dichlorophenol	400	U
84-66-2	Diethyl phthalate	400	U
105-67-9	2,4-Dimethylphenol	400	U
131-11-3	Dimethyl phthalate	400	U
84-74-2	Di-n-butyl phthalate	400	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
51-28-5	2,4-Dinitrophenol	1000	U
121-14-2	2,4-Dinitrotoluene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
117-84-0	Di-n-octyl phthalate	400	U
206-44-0	Fluoranthene	400	U
86-73-7	Fluorene	400	U
118-74-1	Hexachlorobenzene	400	U
87-68-3	Hexachlorobutadiene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
67-72-1	Hexachloroethane	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
78-59-1	Isophorone	400	U
91-57-6	2-Methylnaphthalene	400	U
95-48-7	2-Methylphenol	400	U
106-44-5	4-Methylphenol	400	U
91-20-3	Naphthalene	400	U
88-74-4	2-Nitroaniline	1000	U
99-09-2	3-Nitroaniline	1000	U
100-01-6	4-Nitroaniline	1000	U
98-95-3	Nitrobenzene	400	U
88-75-5	2-Nitrophenol	400	U
100-02-7	4-Nitrophenol	1000	U

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 003
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 06/28/06
Work Order: H8DVC1AL Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/10/06
Moisture %:17

QC Batch: 6187024

Client Sample Id: GRSB4(7-8)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
621-64-7	N-Nitrosodi-n-propylamine	400	U
86-30-6	N-Nitrosodiphenylamine	400	U
108-60-1	2,2'-oxybis(1-Chloropropane)	400	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	400	U
108-95-2	Phenol	400	U
129-00-0	Pyrene	400	U
95-95-4	2,4,5-Trichlorophenol	1000	U
88-06-2	2,4,6-Trichlorophenol	400	U

FORM I

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: H8DVC **Client ID:** GRSB4(7-8)

Matrix: Soil **Units:** mg/kg **Prep Date:** 6/29/2006 **Prep Batch:** 6180029

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 17.362

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.5**	**48.4**	**4460**		1	**ICPST**	**7/1/2006**	**19:19**
Antimony	220.35	0.46	14.5	0.46	~~UN~~	UJ 1	ICPST	7/1/2006	19:19
Arsenic	**189.04**	**0.24**	**2.4**	**1.8**	~~B~~	J 1	**ICPST**	**7/1/2006**	**19:19**
Barium	**493.41**	**0.036**	**48.4**	**30.4**	~~B~~	J 1	**ICPST**	**7/1/2006**	**19:19**
Beryllium	**313.04**	**0.044**	**1.2**	1.2 ~~0.38~~	~~B~~	U 1	**ICPST**	**7/1/2006**	**19:19**
Cadmium	226.50	0.039	1.2	0.039	U	1	ICPST	7/1/2006	19:19
Calcium	**317.93**	**2.7**	**1210**	1210 ~~262~~	~~B~~	U 1	**ICPST**	**7/1/2006**	**19:19**
Chromium	**267.72**	**0.10**	**2.4**	**4.6**		1	**ICPST**	**7/1/2006**	**19:19**
Cobalt	**228.62**	**0.12**	**12.1**	**4.2**	~~B~~	J 1	**ICPST**	**7/1/2006**	**19:19**
Copper	**324.75**	**0.080**	**6.1**	**3.6**	~~BE~~	J 1	**ICPST**	**7/1/2006**	**19:19**
Iron	**271.44**	**4.6**	**24.2**	**9410**		1	**ICPST**	**7/1/2006**	**19:19**
Lead	**220.35**	**0.27**	**0.73**	**2.7**	~~-~~	1	**ICPST**	**7/1/2006**	**19:19**
Magnesium	**279.08**	**1.6**	**1210**	**1640**		1	**ICPST**	**7/1/2006**	**19:19**
Manganese	**257.61**	**0.041**	**3.6**	**185**		1	**ICPST**	**7/1/2006**	**19:19**
Nickel	**231.60**	**0.24**	**9.7**	**8.5**	B	1	**ICPST**	**7/1/2006**	**19:19**
Potassium	**766.49**	**2.3**	**1210**	1210 ~~550~~	~~BE~~	U 1	**ICPST**	**7/1/2006**	**19:19**
Selenium	**220.35**	**0.39**	**1.2**	**0.59**	~~B~~	J 1	**ICPST**	**7/1/2006**	**19:19**
Silver	**328.07**	**0.11**	**2.4**	**0.15**	~~B~~	J 1	**ICPST**	**7/1/2006**	**19:19**
Sodium	**330.23**	**42.1**	**1210**	**53.5**	~~B~~	J 1	**ICPST**	**7/1/2006**	**19:19**
Thallium	190.86	0.63	2.4	0.63	U	1	ICPST	7/1/2006	19:19
Vanadium	**292.40**	**0.17**	**12.1**	12.1 ~~4.4~~	~~B~~	U 1	**ICPST**	**7/1/2006**	**19:19**
Zinc	**213.86**	**0.19**	**4.8**	**27.2**		1	**ICPST**	**7/1/2006**	**19:19**

Comments: Lot #: C6F280229 Sample #: 3Color:pre- brown, post- brwon. Texture:pre- medium, pos-t fine.Artifacts. Stones, organic

5.04.5

U Result is less than the IDL
B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: H8DVC **Client ID:** GRSB4(7-8)

Matrix: Soil **Units:** mg/kg **Prep Date:** 7/13/2006 **Prep Batch:** 6194013

Weight: .2 **Volume:** 100 **Percent Moisture:** 17.362

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.014	0.12	~~0.022~~	~~BN~~	1	CVAA	7/13/2006	8:43

0.12U

Comments: Lot #: C6F280229 Sample #: 3

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 1 Equivalent

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 004
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 06/28/06
Work Order: H8DVD1AK Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/06/06
Moisture %:21

QC Batch: 6187555

Client Sample Id: GRSB4(9-11)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	Acetone	13	U
71-43-2	Benzene	13	U
75-27-4	Bromodichloromethane	13	U
75-25-2	Bromoform	13	U
74-83-9	Bromomethane	13	U
78-93-3	2-Butanone	13	U
75-15-0	Carbon disulfide	13	U
56-23-5	Carbon tetrachloride	13	U
108-90-7	Chlorobenzene	13	U
75-00-3	Chloroethane	13	U
67-66-3	Chloroform	13	U
74-87-3	Chloromethane	13	U
110-82-7	Cyclohexane	13	U
124-48-1	Dibromochloromethane	13	U
96-12-8	1,2-Dibromo-3-chloropropane	13	U
106-93-4	1,2-Dibromoethane	13	U
541-73-1	1,3-Dichlorobenzene	13	U
106-46-7	1,4-Dichlorobenzene	13	U
95-50-1	1,2-Dichlorobenzene	13	U
75-71-8	Dichlorodifluoromethane	13	U
75-34-3	1,1-Dichloroethane	13	U
107-06-2	1,2-Dichloroethane	13	U
75-35-4	1,1-Dichloroethene	13	U
156-59-2	cis-1,2-Dichloroethene	13	U
156-60-5	trans-1,2-Dichloroethene	13	U
78-87-5	1,2-Dichloropropane	13	U
10061-01-5	cis-1,3-Dichloropropene	13	U
10061-02-6	trans-1,3-Dichloropropene	13	U

FORM I

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID: C6F280229 004
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 06/28/06
Work Order: H8DVD1AK Date Extracted: 07/06/06
Dilution factor: 1 Date Analyzed: 07/06/06
Moisture %: 21

QC Batch: 6187555

Client Sample Id: GRSB4(9-11)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg		Q
100-41-4	Ethylbenzene		13	U
591-78-6	2-Hexanone		13	U
98-82-8	Isopropylbenzene		13	U
79-20-9	Methyl acetate		13	U J
75-09-2	Methylene chloride		~~4.4~~	~~J B~~ 13 U
108-87-2	Methylcyclohexane		13	U
108-10-1	4-Methyl-2-pentanone		13	U
1634-04-4	Methyl tert-butyl ether		13	U
100-42-5	Styrene		13	U
79-34-5	1,1,2,2-Tetrachloroethane		13	U
120-82-1	1,2,4-Trichlorobenzene		13	U
127-18-4	Tetrachloroethene		13	U
71-55-6	1,1,1-Trichloroethane		13	U
79-00-5	1,1,2-Trichloroethane		13	U
79-01-6	Trichloroethene		13	U
75-69-4	Trichlorofluoromethane		13	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu		13	U
108-88-3	Toluene		13	U
75-01-4	Vinyl chloride		13	U
1330-20-7	Xylenes (total)		13	U

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 004
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 06/28/06
Work Order: H8DVD1AL Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/10/06
Moisture %:21

QC Batch: 6187024

Client Sample Id: GRSB4(9-11)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
83-32-9	Acenaphthene	420	U
208-96-8	**Acenaphthylene**	**49**	**J**
98-86-2	**Acetophenone**	**85**	**J**
120-12-7	Anthracene	420	U
1912-24-9	Atrazine	420	U
56-55-3	Benzo(a)anthracene	420	U
50-32-8	Benzo(a)pyrene	420	U
205-99-2	Benzo(b)fluoranthene	420	U
191-24-2	**Benzo(ghi)perylene**	**89**	**J**
207-08-9	Benzo(k)fluoranthene	420	U
100-52-7	Benzaldehyde	420	U
92-52-4	1,1'-Biphenyl	420	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
111-44-4	bis(2-Chloroethyl) ether	420	U
117-81-7	**bis(2-Ethylhexyl) phthalate**	**220**	**J**
101-55-3	4-Bromophenyl phenyl ether	420	U
85-68-7	Butyl benzyl phthalate	420	U
105-60-2	**Caprolactam**	**47**	**J**
86-74-8	Carbazole	420	U
106-47-8	4-Chloroaniline	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-58-7	2-Chloronaphthalene	420	U
95-57-8	2-Chlorophenol	420	U
7005-72-3	4-Chlorophenyl phenyl ether	420	U
218-01-9	Chrysene	420	U
53-70-3	Dibenz(a,h)anthracene	420	U
132-64-9	Dibenzofuran	420	U
91-94-1	3,3'-Dichlorobenzidine	420	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 004
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 06/28/06
Work Order: H8DVD1AL Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/10/06
Moisture %:21

QC Batch: 6187024

Client Sample Id: GRSB4(9-11)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
120-83-2	2,4-Dichlorophenol	420	U
84-66-2	Diethyl phthalate	420	U
105-67-9	2,4-Dimethylphenol	420	U
131-11-3	Dimethyl phthalate	420	U
84-74-2	Di-n-butyl phthalate	420	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
51-28-5	2,4-Dinitrophenol	1000	U
121-14-2	2,4-Dinitrotoluene	420	U
606-20-2	2,6-Dinitrotoluene	420	U
117-84-0	Di-n-octyl phthalate	420	U
206-44-0	Fluoranthene	420	U
86-73-7	Fluorene	420	U
118-74-1	Hexachlorobenzene	420	U
87-68-3	Hexachlorobutadiene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
67-72-1	Hexachloroethane	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
78-59-1	Isophorone	420	U
91-57-6	2-Methylnaphthalene	420	U
95-48-7	2-Methylphenol	420	U
106-44-5	4-Methylphenol	420	U
91-20-3	Naphthalene	420	U
88-74-4	2-Nitroaniline	1000	U
99-09-2	3-Nitroaniline	1000	U
100-01-6	4-Nitroaniline	1000	U
98-95-3	Nitrobenzene	420	U
88-75-5	2-Nitrophenol	420	U
100-02-7	4-Nitrophenol	1000	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SO Lab Sample ID:C6F280229 004
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 30 / g Date Received: 06/28/06
Work Order: H8DVD1AL Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/10/06
Moisture %:21

QC Batch: 6187024

Client Sample Id: GRSB4(9-11)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
621-64-7	N-Nitrosodi-n-propylamine	420	U
86-30-6	N-Nitrosodiphenylamine	420	U
108-60-1	2,2'-oxybis(1-Chloropropane)	420	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	420	U
108-95-2	Phenol	420	U
129-00-0	Pyrene	420	U
95-95-4	2,4,5-Trichlorophenol	1000	U
88-06-2	2,4,6-Trichlorophenol	420	U

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: H8DVD **Client ID:** GRSB4(9-11)

Matrix: Soil **Units:** mg/kg **Prep Date:** 6/29/2006 **Prep Batch:** 6180029

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 20.612

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**1.6**	**50.4**	**4990**		**1**	**ICPST**	**7/1/2006**	**19:25**
Antimony	220.35	0.48	15.1	0.48	~~UN~~ UJ	1	ICPST	7/1/2006	19:25
Arsenic	**189.04**	**0.25**	**2.5**	**1.7**	~~B~~ J	**1**	**ICPST**	**7/1/2006**	**19:25**
Barium	**493.41**	**0.038**	**50.4**	**32.0**	~~B~~ J	**1**	**ICPST**	**7/1/2006**	**19:25**
Beryllium	**313.04**	**0.045**	**1.3**	**/.3 ~~0.41~~ ~~B~~**	U	**1**	**ICPST**	**7/1/2006**	**19:25**
Cadmium	226.50	0.040	1.3	0.040	U	1	ICPST	7/1/2006	19:25
Calcium	**317.93**	**2.8**	**1260**	**1260 ~~293~~ ~~B~~**	U	**1**	**ICPST**	**7/1/2006**	**19:25**
Chromium	**267.72**	**0.11**	**2.5**	**5.7**		**1**	**ICPST**	**7/1/2006**	**19:25**
Cobalt	**228.62**	**0.12**	**12.6**	**4.5**	~~B~~ J	**1**	**ICPST**	**7/1/2006**	**19:25**
Copper	**324.75**	**0.083**	**6.3**	**4.8**	~~BE~~ J	**1**	**ICPST**	**7/1/2006**	**19:25**
Iron	**271.44**	**4.8**	**25.2**	**10100**		**1**	**ICPST**	**7/1/2006**	**19:25**
Lead	**220.35**	**0.28**	**0.76**	**4.5**	~~-~~	**1**	**ICPST**	**7/1/2006**	**19:25**
Magnesium	**279.08**	**1.7**	**1260**	**1760**		**1**	**ICPST**	**7/1/2006**	**19:25**
Manganese	**257.61**	**0.043**	**3.8**	**245**		**1**	**ICPST**	**7/1/2006**	**19:25**
Nickel	**231.60**	**0.25**	**10.1**	**9.3**	~~B~~ J	**1**	**ICPST**	**7/1/2006**	**19:25**
Potassium	**766.49**	**2.4**	**1260**	**1260 ~~605~~ ~~BE~~**	U	**1**	**ICPST**	**7/1/2006**	**19:25**
Selenium	220.35	0.40	1.3	0.40	U	1	ICPST	7/1/2006	19:25
Silver	328.07	0.12	2.5	0.12	U	1	ICPST	7/1/2006	19:25
Sodium	**330.23**	**43.8**	**1260**	**121**	~~B~~ J	**1**	**ICPST**	**7/1/2006**	**19:25**
Thallium	190.86	0.66	2.5	0.66	U	1	ICPST	7/1/2006	19:25
Vanadium	**292.40**	**0.18**	**12.6**	**12.6 ~~4.8~~ ~~B~~**	U	**1**	**ICPST**	**7/1/2006**	**19:25**
Zinc	**213.86**	**0.20**	**5.0**	**29.6**		**1**	**ICPST**	**7/1/2006**	**19:25**

Comments: Lot #: C6F280229 Sample #: 4Color:pre- brown, post- brwon. Texture:pre- medium, pos-t fine.Artifacts, Stones, organic

5.04.5

U Result is less than the IDL
B Result is between IDL and RL

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: H8DVD **Client ID:** GRSB4(9-11)

Matrix: Soil **Units:** mg/kg **Prep Date:** 7/13/2006 **Prep Batch:** 6194013

Weight: .2 **Volume:** 100 **Percent Moisture:** 20.612

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.014	0.13	~~0.026~~ 0.13	~~BN~~ U	1	CVAA	7/13/2006	8:45

Comments: Lot #: C6F280229 Sample #: 4

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

RETEC, Port Jervis MGP

Total Cyanide

Lab Name: STL PITTSBURGH
Client Name: The RETEC Group, Inc.
Matrix: SOLID
Method: ICLP ILM04.0/4.1
Lot Number: C6G290164

Midi Distillation Procedure

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
GRSB2(13-14)	C6G290164 001	JAAFM1A6	0.14 J	mg/kg	0.62	1	8/2/2006 - 8/7/2006 00:00	6214288
GRSB20(13-14)	C6G290164 002	JAAFP1AH	ND	mg/kg	0.59	1	8/2/2006 - 8/7/2006 00:00	6214288
GRSB2(22-24)	C6G290164 003	JAAFR1AH	ND	mg/kg	0.55	1	8/2/2006 - 8/7/2006 00:00	6214288
GRSB1(13-14)	C6G290164 004	JAAFX1AH	ND	mg/kg	0.55	1	8/2/2006 - 8/7/2006 00:00	6214288
GRSB1(22-24)	C6G290164 005	JAAF11AW	0.39 J	mg/kg	0.66	1	8/2/2006 - 8/7/2006 00:00	6214288
TW6	C6G290164 006	JAAF21A5	ND	ug/L	10.0	1	8/2/2006 - 8/7/2006 00:00	6214290
TW60	C6G290164 007	JAAF61AG	ND	ug/L	10.0	1	8/2/2006 - 8/7/2006 00:00	6214290
TW3	C6G290164 009	JAAGE1DT	ND	ug/L	10.0	1	8/2/2006 - 8/7/2006 00:00	6214290

RETEC, Port Jervis MGP

Total Cyanide

Lab Name: STL PITTSBURGH **Method:** ICLP ILM04.0/4.1

Client Name: The RETEC Group, Inc. **Lot Number:** C6F280229

Matrix: SOLID

Midi Distillation Procedure

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
GRSS1	C6F280229 001	H8DT91A6	~~0.47 B J~~ 0.52 U	mg/kg	0.52	1	7/7/2006 - 7/10/2006 00:00	6188304
GRSS2	C6F280229 002	H8DVA1AH	0.91 J	mg/kg	0.58	1	7/7/2006 - 7/10/2006 00:00	6188304
GRSB4(7-8)	C6F280229 003	H8DVC1AH	ND	mg/kg	0.61	1	7/7/2006 - 7/10/2006 00:00	6188304
GRSB4(9-11)	C6F280229 004	H8DVD1AH	ND	mg/kg	0.63	1	7/7/2006 - 7/10/2006 00:00	6188304
GRSB3(4-5)	C6F280229 005	H8DVE1AH	~~0.15 B J~~ 0.56 U	mg/kg	0.56	1	7/7/2006 - 7/10/2006 00:00	6188304
GRSB3(6-7)	C6F280229 006	H8DVF1AH	~~0.18 B J~~ 0.59 U	mg/kg	0.59	1	7/7/2006 - 7/10/2006 00:00	6188304
TW4	C6F280229 007	H8DVG1A4	ND	ug/L	10.0	1	7/7/2006 - 7/10/2006 00:00	6188305
TW5	C6F280229 008	H8DVJ1A5	ND	ug/L	10.0	1	7/7/2006 - 7/10/2006 00:00	6188305

RETEC, Port Jervis MGP

Percent Solids

Lab Name: STL PITTSBURGH
Client Name: The RETEC Group, Inc.
Matrix: SOLID

Method: MCAWW 160.3 MOD
Lot Number: C6F280229

Total Residue as Percent Solids

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
GRSS1	C6F280229 001	H8DT91AA	96.4	%		1	6/29/2006 - 6/30/2006 08:32	6180546
GRSS2	C6F280229 002	H8DVA1AJ	86.6	%		1	6/29/2006 - 6/30/2006 08:32	6180546
GRSB4(7-8)	C6F280229 003	H8DVC1AJ	82.6	%		1	6/29/2006 - 6/30/2006 08:32	6180546
GRSB4(9-11)	C6F280229 004	H8DVD1AJ	79.4	%		1	6/29/2006 - 6/30/2006 08:32	6180546
GRSB3(4-5)	C6F280229 005	H8DVE1AJ	88.5	%		1	6/29/2006 - 6/30/2006 08:32	6180546
GRSB3(6-7)	C6F280229 006	H8DVF1AJ	84.8	%		1	6/29/2006 - 6/30/2006 08:32	6180546
SSSED-UP(062706)	C6F280229 010	H8DVN1AA	70.2	%		1	6/29/2006 - 6/30/2006 08:32	6180546

RETEC, Port Jervis MGP

Percent Solids

Lab Name:	STL PITTSBURGH	**Method:**	MCAWW 160.3 MOD
Client Name:	The RETEC Group, Inc.	**Lot Number:**	C6G290164
Matrix:	SOLID		

Total Residue as Percent Solids

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Dilution Factor	Prep Date - Analysis Date/Time	QC Batch
GRSB2(13-14)	C6G290164 001	JAAFM1AA	81.2	%		1	8/1/2006 - 8/2/2006 09:00	6213157
GRSB20(13-14)	C6G290164 002	JAAFP1AJ	84.3	%		1	8/1/2006 - 8/2/2006 09:00	6213157
GRSB2(22-24)	C6G290164 003	JAAFR1AJ	90.7	%		1	8/1/2006 - 8/2/2006 09:00	6213157
GRSB1(13-14)	C6G290164 004	JAAFX1AJ	90.8	%		1	8/1/2006 - 8/2/2006 09:00	6213157
GRSB1(22-24)	C6G290164 005	JAAF11A1	75.4	%		1	8/1/2006 - 8/2/2006 09:00	6213157

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6G290164 009
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / mL Date Received: 07/29/06
Work Order: JAAGE1AA Date Extracted:08/02/06
Dilution factor: 1 Date Analyzed: 08/02/06
Moisture %:
QC Batch: 6214421

Client Sample Id: TW3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	10	U
71-43-2	Benzene	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
78-93-3	2-Butanone	10	U
75-15-0	Carbon disulfide	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
106-93-4	1,2-Dibromoethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6G290164 009
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / mL Date Received: 07/29/06
Work Order: JAAGE1AA Date Extracted:08/02/06
Dilution factor: 1 Date Analyzed: 08/02/06
Moisture %:

QC Batch: 6214421

Client Sample Id: TW3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
100-41-4	Ethylbenzene	10	U
591-78-6	2-Hexanone	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
108-87-2	Methylcyclohexane	10	U
108-10-1	4-Methyl-2-pentanone	10	U
1634-04-4	Methyl tert-butyl ether	10	U
100-42-5	Styrene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
127-18-4	Tetrachloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	10	U
108-88-3	Toluene	10	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Xylenes (total)	10	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6G290164 009
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 1050 / mL Date Received: 07/29/06
Work Order: JAAGE1AE Date Extracted:08/01/06
Dilution factor: 0.95 Date Analyzed: 08/10/06
Moisture %:

QC Batch: 6213214

Client Sample Id: TW3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
83-32-9	Acenaphthene	9.5	U
208-96-8	Acenaphthylene	9.5	U
98-86-2	Acetophenone	9.5	U
120-12-7	Anthracene	9.5	U
1912-24-9	Atrazine	9.5	U
56-55-3	Benzo(a)anthracene	9.5	U
50-32-8	Benzo(a)pyrene	9.5	U
205-99-2	Benzo(b)fluoranthene	9.5	U
191-24-2	Benzo(ghi)perylene	9.5	U
207-08-9	Benzo(k)fluoranthene	9.5	U
100-52-7	Benzaldehyde	9.5	U
92-52-4	1,1'-Biphenyl	9.5	U
111-91-1	bis(2-Chloroethoxy)methane	9.5	U
111-44-4	bis(2-Chloroethyl) ether	9.5	U
117-81-7	bis(2-Ethylhexyl) phthalate	9.5	U
101-55-3	4-Bromophenyl phenyl ether	9.5	U
85-68-7	Butyl benzyl phthalate	9.5	U
105-60-2	**Caprolactam**	**2.5**	**J**
86-74-8	Carbazole	9.5	U
106-47-8	4-Chloroaniline	9.5	U
59-50-7	4-Chloro-3-methylphenol	9.5	U
91-58-7	2-Chloronaphthalene	9.5	U
95-57-8	2-Chlorophenol	9.5	U
7005-72-3	4-Chlorophenyl phenyl ether	9.5	U
218-01-9	Chrysene	9.5	U
53-70-3	Dibenz(a,h)anthracene	9.5	U
132-64-9	Dibenzofuran	9.5	U
91-94-1	3,3'-Dichlorobenzidine	9.5	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6G290164 009
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 1050 / mL Date Received: 07/29/06
Work Order: JAAGE1AE Date Extracted:08/01/06
Dilution factor: 0.95 Date Analyzed: 08/10/06
Moisture %:

QC Batch: 6213214

Client Sample Id: TW3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
120-83-2	2,4-Dichlorophenol	9.5	U
84-66-2	Diethyl phthalate	9.5	U
105-67-9	2,4-Dimethylphenol	9.5	U
131-11-3	Dimethyl phthalate	9.5	U
84-74-2	Di-n-butyl phthalate	9.5	U
534-52-1	4,6-Dinitro-2-methylphenol	24	U
51-28-5	2,4-Dinitrophenol	24	U
121-14-2	2,4-Dinitrotoluene	9.5	U
606-20-2	2,6-Dinitrotoluene	9.5	U
117-84-0	Di-n-octyl phthalate	9.5	U
206-44-0	Fluoranthene	9.5	U
86-73-7	Fluorene	9.5	U
118-74-1	Hexachlorobenzene	9.5	U
87-68-3	Hexachlorobutadiene	9.5	U
77-47-4	Hexachlorocyclopentadiene	9.5	U
67-72-1	Hexachloroethane	9.5	U
193-39-5	Indeno(1,2,3-cd)pyrene	9.5	U
78-59-1	Isophorone	9.5	U
91-57-6	2-Methylnaphthalene	9.5	U
95-48-7	2-Methylphenol	9.5	U
106-44-5	4-Methylphenol	9.5	U
91-20-3	Naphthalene	9.5	U
88-74-4	2-Nitroaniline	24	U
99-09-2	3-Nitroaniline	24	U
100-01-6	4-Nitroaniline	24	U
98-95-3	Nitrobenzene	9.5	U
88-75-5	2-Nitrophenol	9.5	U
100-02-7	4-Nitrophenol	24	U

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6G290164 009
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 1050 / mL Date Received: 07/29/06
Work Order: JAAGE1AE Date Extracted:08/01/06
Dilution factor: 0.95 Date Analyzed: 08/10/06
Moisture %:
QC Batch: 6213214

Client Sample Id: TW3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
621-64-7	N-Nitrosodi-n-propylamine	9.5	U
86-30-6	N-Nitrosodiphenylamine	9.5	U
108-60-1	2,2'-oxybis(1-Chloropropane)	9.5	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	9.5	U
108-95-2	Phenol	9.5	U
129-00-0	Pyrene	9.5	U
95-95-4	2,4,5-Trichlorophenol	24	U
88-06-2	2,4,6-Trichlorophenol	9.5	U

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: JAAGE **Client ID:** TW3 DUP

Matrix: Water **Units:** ug/L **Prep Date:** 8/2/2006 **Prep Batch:** 6214392

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**6.9**	**200**	**25500**		1	**ICPST**	**8/11/2006**	**16:01**
Antimony	206.84	2.3	60.0	2.3	U	1	ICPST	8/11/2006	16:01
Arsenic	**189.04**	**1.9**	**10.0**	**9.4**	~~B~~ J	1	**ICPST**	**8/11/2006**	**16:01**
Barium	**493.41**	**0.14**	**200**	**282**		1	**ICPST**	**8/11/2006**	**16:01**
Beryllium	**313.04**	**0.17**	**5.0**	**1.3**	~~B~~ J	1	**ICPST**	**8/11/2006**	**16:01**
Cadmium	226.50	0.31	5.0	0.31	U	1	ICPST	8/11/2006	16:01
Calcium	**317.93**	**4.1**	**5000**	**14600**		1	**ICPST**	**8/11/2006**	**16:01**
Chromium	**267.72**	**0.60**	**10.0**	**19.8**		1	**ICPST**	**8/11/2006**	**16:01**
Cobalt	**228.62**	**0.64**	**50.0**	**12.4**	~~B~~ J	1	**ICPST**	**8/11/2006**	**16:01**
Copper	**324.75**	**0.91**	**25.0**	**37.3**		1	**ICPST**	**8/11/2006**	**16:01**
Iron	**271.44**	**13.4**	**100**	**27500**		1	**ICPST**	**8/11/2006**	**16:01**
Lead	**220.35**	**1.6**	**3.0**	**20.2**		1	**ICPST**	**8/11/2006**	**16:01**
Magnesium	**279.08**	**5.2**	**5000**	**5880**		1	**ICPST**	**8/11/2006**	**16:01**
Manganese	**257.61**	**0.15**	**15.0**	**1360**		1	**ICPST**	**8/11/2006**	**16:01**
Nickel	**231.60**	**0.71**	**40.0**	**29.4**	~~B~~ J	1	**ICPST**	**8/11/2006**	**16:01**
Potassium	**766.49**	**10.5**	**5000**	**6810**		1	**ICPST**	**8/11/2006**	**16:01**
Selenium	220.35	2.0	5.0	2.0	~~UN~~ U	1	ICPST	8/11/2006	16:01
Silver	328.07	0.45	10.0	0.45	U	1	ICPST	8/11/2006	16:01
Sodium	**330.23**	**99.8**	**5000**	**39700**		1	**ICPST**	**8/11/2006**	**16:01**
Thallium	190.86	2.8	10.0	2.8	U	1	ICPST	8/11/2006	16:01
Vanadium	**292.40**	**0.56**	**50.0**	**28.1**	~~B~~ J	1	**ICPST**	**8/11/2006**	**16:01**
Zinc	**206.2**	**1.0**	**20.0**	**133**		1	**ICPST**	**8/11/2006**	**16:01**

Comments: Lot #: C6G290164 Sample #: 9Color:pre- brown, post- brown, Clarity:pre cloudy, post- cloudy

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: JAAGE **Client ID:** TW3 ~~DUP~~

Matrix: Water **Units:** ug/L **Prep Date:** 8/15/2006 **Prep Batch:** 6227050

Weight: NA **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.042	0.20	0.062	~~B~~ J	1	CVAA	8/15/2006	9:06

Comments: Lot #: C6G290164 Sample #: 9

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 1 Equivalent

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6F280229 007
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / mL Date Received: 06/28/06
Work Order: H8DVG1AA Date Extracted:07/03/06
Dilution factor: 1 Date Analyzed: 07/03/06
Moisture %:

QC Batch: 6184148

Client Sample Id: TW4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	10	U
71-43-2	Benzene	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
78-93-3	2-Butanone	10	U
75-15-0	Carbon disulfide	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
106-93-4	1,2-Dibromoethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

FORM I

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID: C6F280229 007
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / mL Date Received: 06/28/06
Work Order: H8DVG1AA Date Extracted: 07/03/06
Dilution factor: 1 Date Analyzed: 07/03/06
Moisture %:

QC Batch: 6184148

Client Sample Id: TW4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q	
100-41-4	Ethylbenzene	10	U	
591-78-6	2-Hexanone	10	U	
98-82-8	Isopropylbenzene	10	U	
79-20-9	Methyl acetate	10	U	J
75-09-2	Methylene chloride	10	U	
108-87-2	Methylcyclohexane	10	U	
108-10-1	4-Methyl-2-pentanone	10	U	
1634-04-4	Methyl tert-butyl ether	10	U	
100-42-5	Styrene	10	U	
79-34-5	1,1,2,2-Tetrachloroethane	10	U	
120-82-1	1,2,4-Trichlorobenzene	10	U	
127-18-4	Tetrachloroethene	10	U	
71-55-6	1,1,1-Trichloroethane	10	U	
79-00-5	1,1,2-Trichloroethane	10	U	
79-01-6	Trichloroethene	10	U	
75-69-4	Trichlorofluoromethane	10	U	
76-13-1	1,1,2-Trichloro-1,2,2-triflu	10	U	
108-88-3	Toluene	10	U	
75-01-4	Vinyl chloride	10	U	
1330-20-7	Xylenes (total)	10	U	

FORM I

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: H8DVG **Client ID:** TW4

Matrix: Water **Units:** ug/L **Prep Date:** 6/29/2006 **Prep Batch:** 6180031

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**6.3**	**200**	**356**	~~E~~	J 1	**ICPST**	**7/1/2006**	**19:52**
Antimony	220.35	1.9	60.0	1.9	U	1	ICPST	7/1/2006	19:52
Arsenic	**189.04**	**1.0**	**10.0**	**1.6**	~~B~~	J 1	**ICPST**	**7/1/2006**	**19:52**
Barium	**493.41**	**0.15**	**200**	200 ~~73.6~~	~~B~~	U 1	**ICPST**	**7/1/2006**	**19:52**
Beryllium	**313.04**	**0.18**	**5.0**	5.0 ~~0.51~~	~~B~~	U 1	**ICPST**	**7/1/2006**	**19:52**
Cadmium	226.50	0.16	5.0	0.16	U	1	ICPST	7/1/2006	19:52
Calcium	**317.93**	**11.0**	**5000**	**29300**		1	**ICPST**	**7/1/2006**	**19:52**
Chromium	**267.72**	**0.43**	**10.0**	**0.95**	~~B~~	J 1	**ICPST**	**7/1/2006**	**19:52**
Cobalt	**228.62**	**0.49**	**50.0**	50 ~~0.62~~	~~B~~	U 1	**ICPST**	**7/1/2006**	**19:52**
Copper	324.75	0.33	25.0	0.33	U	1	ICPST	7/1/2006	19:52
Iron	**271.44**	**19.0**	**100**	**487**		1	**ICPST**	**7/1/2006**	**19:52**
Lead	220.35	1.1	3.0	1.1	U	1	ICPST	7/1/2006	19:52
Magnesium	**279.08**	**6.7**	**5000**	**1860**	~~B~~	J 1	**ICPST**	**7/1/2006**	**19:52**
Manganese	**257.61**	**0.17**	**15.0**	**26.3**		1	**ICPST**	**7/1/2006**	**19:52**
Nickel	231.60	0.98	40.0	0.98	U	1	ICPST	7/1/2006	19:52
Potassium	**766.49**	**9.5**	**5000**	**5430**		1	**ICPST**	**7/1/2006**	**19:52**
Selenium	220.35	1.6	5.0	1.6	~~UN~~	~~U~~ 1 U	ICPST	7/5/2006	9:20
Silver	328.07	0.47	10.0	0.47	U	1	ICPST	7/1/2006	19:52
Sodium	**330.23**	**174**	**5000**	**31100**		1	**ICPST**	**7/1/2006**	**19:52**
Thallium	**190.86**	**2.6**	**10.0**	**4.8**	~~B~~	J 1	**ICPST**	**7/1/2006**	**19:52**
Vanadium	292.40	0.72	50.0	0.72	U	1	ICPST	7/1/2006	19:52
Zinc	**213.86**	**0.79**	**20.0**	20 ~~8.3~~	~~B~~	U 1	**ICPST**	**7/1/2006**	**19:52**

Comments: Lot #: C6F280229 Sample #: 7Color:pre- colorless, post- colorless. Clarity:pre- clear, post- clear

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: H8DVG **Client ID:** TW4

Matrix: Water **Units:** ug/L **Prep Date:** 7/12/2006 **Prep Batch:** 6193012

Weight: NA **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.023	0.20	0.023	U	1	CVAA	7/12/2006	8:57

Comments: Lot #: C6F280229 Sample #: 7

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6F280229 008
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / mL Date Received: 06/28/06
Work Order: H8DVJ1AA Date Extracted:07/03/06
Dilution factor: 1 Date Analyzed: 07/03/06
Moisture %:

QC Batch: 6184148

Client Sample Id: TW5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	10	U
71-43-2	Benzene	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
78-93-3	2-Butanone	10	U
75-15-0	Carbon disulfide	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
106-93-4	1,2-Dibromoethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

FORM I

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID: C6F280229 008
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / mL Date Received: 06/28/06
Work Order: H8DVJ1AA Date Extracted: 07/03/06
Dilution factor: 1 Date Analyzed: 07/03/06
Moisture %:

QC Batch: 6184148

Client Sample Id: TW5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
100-41-4	Ethylbenzene	10	U
591-78-6	2-Hexanone	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl acetate	10	U J
75-09-2	Methylene chloride	10	U
108-87-2	Methylcyclohexane	10	U
108-10-1	4-Methyl-2-pentanone	10	U
1634-04-4	Methyl tert-butyl ether	10	U
100-42-5	Styrene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
127-18-4	Tetrachloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	10	U
108-88-3	Toluene	10	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Xylenes (total)	10	U

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6F280229 008
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 1020 / mL Date Received: 06/28/06
Work Order: H8DVJ1AC Date Extracted:06/29/06
Dilution factor: 0.98 Date Analyzed: 07/03/06
Moisture %:

QC Batch: 6180127

Client Sample Id: TW5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
83-32-9	Acenaphthene	9.8	U
208-96-8	Acenaphthylene	9.8	U
98-86-2	Acetophenone	9.8	U
120-12-7	Anthracene	9.8	U
1912-24-9	Atrazine	9.8	U
56-55-3	Benzo(a)anthracene	9.8	U
50-32-8	Benzo(a)pyrene	9.8	U
205-99-2	Benzo(b)fluoranthene	9.8	U
191-24-2	Benzo(ghi)perylene	9.8	U
207-08-9	Benzo(k)fluoranthene	9.8	U
100-52-7	Benzaldehyde	9.8	U
92-52-4	1,1'-Biphenyl	9.8	U
111-91-1	bis(2-Chloroethoxy)methane	9.8	U
111-44-4	bis(2-Chloroethyl) ether	9.8	U
117-81-7	**bis(2-Ethylhexyl) phthalate**	**2.2**	**J**
101-55-3	4-Bromophenyl phenyl ether	9.8	U
85-68-7	Butyl benzyl phthalate	9.8	U
105-60-2	**Caprolactam**	**2.9**	**J**
86-74-8	Carbazole	9.8	U
106-47-8	4-Chloroaniline	9.8	U
59-50-7	4-Chloro-3-methylphenol	9.8	U
91-58-7	2-Chloronaphthalene	9.8	U
95-57-8	2-Chlorophenol	9.8	U
7005-72-3	4-Chlorophenyl phenyl ether	9.8	U
218-01-9	Chrysene	9.8	U
53-70-3	Dibenz(a,h)anthracene	9.8	U
132-64-9	Dibenzofuran	9.8	U
91-94-1	3,3'-Dichlorobenzidine	9.8	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6F280229 008
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 1020 / mL Date Received: 06/28/06
Work Order: H8DVJ1AC Date Extracted:06/29/06
Dilution factor: 0.98 Date Analyzed: 07/03/06
Moisture %:

QC Batch: 6180127

Client Sample Id: TW5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
120-83-2	2,4-Dichlorophenol	9.8	U
84-66-2	Diethyl phthalate	9.8	U
105-67-9	2,4-Dimethylphenol	9.8	U
131-11-3	Dimethyl phthalate	9.8	U
84-74-2	Di-n-butyl phthalate	9.8	U
534-52-1	4,6-Dinitro-2-methylphenol	24	U
51-28-5	2,4-Dinitrophenol	24	U
121-14-2	2,4-Dinitrotoluene	9.8	U
606-20-2	2,6-Dinitrotoluene	9.8	U
117-84-0	Di-n-octyl phthalate	9.8	U
206-44-0	Fluoranthene	9.8	U
86-73-7	Fluorene	9.8	U
118-74-1	Hexachlorobenzene	9.8	U
87-68-3	Hexachlorobutadiene	9.8	U
77-47-4	Hexachlorocyclopentadiene	9.8	U
67-72-1	Hexachloroethane	9.8	U
193-39-5	Indeno(1,2,3-cd)pyrene	9.8	U
78-59-1	Isophorone	9.8	U
91-57-6	2-Methylnaphthalene	9.8	U
95-48-7	2-Methylphenol	9.8	U
106-44-5	4-Methylphenol	9.8	U
91-20-3	Naphthalene	9.8	U
88-74-4	2-Nitroaniline	24	U
99-09-2	3-Nitroaniline	24	U
100-01-6	4-Nitroaniline	24	U
98-95-3	Nitrobenzene	9.8	U
88-75-5	2-Nitrophenol	9.8	U
100-02-7	4-Nitrophenol	24	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6F280229 008
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 1020 / mL Date Received: 06/28/06
Work Order: H8DVJ1AC Date Extracted:06/29/06
Dilution factor: 0.98 Date Analyzed: 07/03/06
Moisture %:

QC Batch: 6180127

Client Sample Id: TW5

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
621-64-7	N-Nitrosodi-n-propylamine	9.8	U
86-30-6	N-Nitrosodiphenylamine	9.8	U
108-60-1	2,2'-oxybis(1-Chloropropane)	9.8	U
87-86-5	Pentachlorophenol	24	U
85-01-8	Phenanthrene	9.8	U
108-95-2	Phenol	9.8	U
129-00-0	Pyrene	9.8	U
95-95-4	2,4,5-Trichlorophenol	24	U
88-06-2	2,4,6-Trichlorophenol	9.8	U

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: H8DVJ **Client ID:** TW5

Matrix: Water **Units:** ug/L **Prep Date:** 6/29/2006 **Prep Batch:** 6180031

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.22**	**6.3**	**200**	**2130**	~~E~~	J 1	**ICPST**	**7/1/2006**	**20:41**
Antimony	220.35	1.9	60.0	1.9	U	1	ICPST	7/1/2006	20:41
Arsenic	189.04	1.0	10.0	1.0	U	1	ICPST	7/1/2006	20:41
Barium	**493.41**	**0.15**	**200**	200 ~~80.0~~	~~B~~	U 1	**ICPST**	**7/1/2006**	**20:41**
Beryllium	**313.04**	**0.18**	**5.0**	5 ~~0.67~~	~~B~~	U 1	**ICPST**	**7/1/2006**	**20:41**
Cadmium	226.50	0.16	5.0	0.16	U	1	ICPST	7/1/2006	20:41
Calcium	**317.93**	**11.0**	**5000**	**20400**		1	**ICPST**	**7/1/2006**	**20:41**
Chromium	**267.72**	**0.43**	**10.0**	**1.9**	~~B~~	J 1	**ICPST**	**7/1/2006**	**20:41**
Cobalt	**228.62**	**0.49**	**50.0**	50 ~~1.5~~	~~B~~	U 1	**ICPST**	**7/1/2006**	**20:41**
Copper	**324.75**	**0.33**	**25.0**	**0.92**	~~B~~	J 1	**ICPST**	**7/1/2006**	**20:41**
Iron	**271.44**	**19.0**	**100**	**1910**		1	**ICPST**	**7/1/2006**	**20:41**
Lead	220.35	1.1	3.0	1.1	U	1	ICPST	7/1/2006	20:41
Magnesium	**279.08**	**6.7**	**5000**	**2490**	~~B~~	J 1	**ICPST**	**7/1/2006**	**20:41**
Manganese	**257.61**	**0.17**	**15.0**	**77.1**		1	**ICPST**	**7/1/2006**	**20:41**
Nickel	**231.60**	**0.98**	**40.0**	**2.4**	~~B~~	J 1	**ICPST**	**7/1/2006**	**20:41**
Potassium	**766.49**	**9.5**	**5000**	5000 ~~3380~~	~~B~~	U 1	**ICPST**	**7/1/2006**	**20:41**
Selenium	**220.35**	**1.6**	**5.0**	**1.9**	~~BN~~	J+1	**ICPST**	**7/1/2006**	**20:41**
Silver	328.07	0.47	10.0	0.47	U	1	ICPST	7/1/2006	20:41
Sodium	**330.23**	**174**	**5000**	**31800**		1	**ICPST**	**7/1/2006**	**20:41**
Thallium	190.86	2.6	10.0	2.6	U	1	ICPST	7/1/2006	20:41
Vanadium	**292.40**	**0.72**	**50.0**	50 ~~2.7~~	~~B~~	U 1	**ICPST**	**7/1/2006**	**20:41**
Zinc	**213.86**	**0.79**	**20.0**	20 ~~14.5~~	~~B~~	U 1	**ICPST**	**7/1/2006**	**20:41**

Comments: Lot #: C6F280229 Sample #: 8Color:pre- colorless, post- colorless. Clarity:pre- clear, post- clear

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: H8DVJ **Client ID:** TW5

Matrix: Water **Units:** ug/L **Prep Date:** 7/12/2006 **Prep Batch:** 6193012

Weight: NA **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.023	0.20	0.023	U	1	CVAA	7/12/2006	9:02

Comments: Lot #: C6F280229 Sample #: 8

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
E Serial dilution percent difference not within limits

Form 1 Equivalent

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6G290164 006
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / mL Date Received: 07/29/06
Work Order: JAAF21AA Date Extracted:08/02/06
Dilution factor: 1 Date Analyzed: 08/02/06
Moisture %:

QC Batch: 6214421

Client Sample Id: TW6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	13	J
71-43-2	Benzene	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
78-93-3	2-Butanone	10	U
75-15-0	Carbon disulfide	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
106-93-4	1,2-Dibromoethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID: C6G290164 006
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / mL Date Received: 07/29/06
Work Order: JAAF21AA Date Extracted: 08/02/06
Dilution factor: 1 Date Analyzed: 08/02/06
Moisture %:
QC Batch: 6214421

Client Sample Id: TW6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
100-41-4	Ethylbenzene	10	U
591-78-6	2-Hexanone	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
108-87-2	Methylcyclohexane	10	U
108-10-1	4-Methyl-2-pentanone	10	U
1634-04-4	Methyl tert-butyl ether	10	U
100-42-5	Styrene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
127-18-4	Tetrachloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	10	U
108-88-3	Toluene	10	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Xylenes (total)	10	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6G290164 006
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 1000 / mL Date Received: 07/29/06
Work Order: JAAF21AC Date Extracted:08/01/06
Dilution factor: 1 Date Analyzed: 08/10/06
Moisture %:

QC Batch: 6213214

Client Sample Id: TW6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
83-32-9	**Acenaphthene**	**12**	
208-96-8	Acenaphthylene	10	U
98-86-2	Acetophenone	10	U
120-12-7	**Anthracene**	**1.4**	**J**
1912-24-9	Atrazine	10	U
56-55-3	Benzo(a)anthracene	10	U
50-32-8	Benzo(a)pyrene	10	U
205-99-2	Benzo(b)fluoranthene	10	U
191-24-2	Benzo(ghi)perylene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
100-52-7	Benzaldehyde	10	U
92-52-4	1,1'-Biphenyl	10	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
111-44-4	bis(2-Chloroethyl) ether	10	U
117-81-7	bis(2-Ethylhexyl) phthalate	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
85-68-7	Butyl benzyl phthalate	10	U
105-60-2	**Caprolactam**	**3.3**	**J**
86-74-8	Carbazole	10	U
106-47-8	4-Chloroaniline	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-58-7	2-Chloronaphthalene	10	U
95-57-8	2-Chlorophenol	10	U
7005-72-3	4-Chlorophenyl phenyl ether	10	U
218-01-9	Chrysene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
132-64-9	Dibenzofuran	10	U
91-94-1	3,3'-Dichlorobenzidine	10	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6G290164 006
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 1000 / mL Date Received: 07/29/06
Work Order: JAAF21AC Date Extracted:08/01/06
Dilution factor: 1 Date Analyzed: 08/10/06
Moisture %:

QC Batch: 6213214

Client Sample Id: TW6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
120-83-2	2,4-Dichlorophenol	10	U
84-66-2	Diethyl phthalate	10	U
105-67-9	2,4-Dimethylphenol	10	U
131-11-3	Dimethyl phthalate	10	U
84-74-2	Di-n-butyl phthalate	10	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
51-28-5	2,4-Dinitrophenol	25	U
121-14-2	2,4-Dinitrotoluene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
117-84-0	Di-n-octyl phthalate	10	U
206-44-0	Fluoranthene	10	U
86-73-7	**Fluorene**	**4.5**	**J**
118-74-1	Hexachlorobenzene	10	U
87-68-3	Hexachlorobutadiene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
67-72-1	Hexachloroethane	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
78-59-1	Isophorone	10	U
91-57-6	2-Methylnaphthalene	10	U
95-48-7	2-Methylphenol	10	U
106-44-5	4-Methylphenol	10	U
91-20-3	Naphthalene	10	U
88-74-4	2-Nitroaniline	25	U
99-09-2	3-Nitroaniline	25	U
100-01-6	4-Nitroaniline	25	U
98-95-3	Nitrobenzene	10	U
88-75-5	2-Nitrophenol	10	U
100-02-7	4-Nitrophenol	25	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6G290164 006
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 1000 / mL Date Received: 07/29/06
Work Order: JAAF21AC Date Extracted:08/01/06
Dilution factor: 1 Date Analyzed: 08/10/06
Moisture %:

QC Batch: 6213214

Client Sample Id: TW6

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
621-64-7	N-Nitrosodi-n-propylamine	10	U
86-30-6	N-Nitrosodiphenylamine	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
108-95-2	Phenol	10	U
129-00-0	**Pyrene**	**1.2**	**J**
95-95-4	2,4,5-Trichlorophenol	25	U
88-06-2	2,4,6-Trichlorophenol	10	U

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: JAAF2 **Client ID:** TW6

Matrix: Water **Units:** ug/L **Prep Date:** 8/2/2006 **Prep Batch:** 6214392

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	6.9	200	51100		1	ICPST	8/11/2006	15:50
Antimony	206.84	2.3	60.0	2.3	U	1	ICPST	8/11/2006	15:50
Arsenic	189.04	1.9	10.0	12.3		1	ICPST	8/11/2006	15:50
Barium	493.41	0.14	200	600		1	ICPST	8/11/2006	15:50
Beryllium	313.04	0.17	5.0	2.6	~~B~~ J	1	ICPST	8/11/2006	15:50
Cadmium	226.50	0.31	5.0	0.31	U	1	ICPST	8/11/2006	15:50
Calcium	317.93	4.1	5000	17300		1	ICPST	8/11/2006	15:50
Chromium	267.72	0.60	10.0	49.1		1	ICPST	8/11/2006	15:50
Cobalt	228.62	0.64	50.0	33.2	~~B~~ J	1	ICPST	8/11/2006	15:50
Copper	324.75	0.91	25.0	125		1	ICPST	8/11/2006	15:50
Iron	271.44	13.4	100	48400		1	ICPST	8/11/2006	15:50
Lead	220.35	1.6	3.0	124		1	ICPST	8/11/2006	15:50
Magnesium	279.08	5.2	5000	9810		1	ICPST	8/11/2006	15:50
Manganese	257.61	0.15	15.0	1000		1	ICPST	8/11/2006	15:50
Nickel	231.60	0.71	40.0	69.3		1	ICPST	8/11/2006	15:50
Potassium	766.49	10.5	5000	9440		1	ICPST	8/11/2006	15:50
Selenium	220.35	2.0	5.0	6.5	~~N~~ J	1	ICPST	8/11/2006	15:50
Silver	328.07	0.45	10.0	0.49	~~B~~ J	1	ICPST	8/11/2006	15:50
Sodium	330.23	99.8	5000	30300		1	ICPST	8/11/2006	15:50
Thallium	190.86	2.8	10.0	10 ~~5.4~~	~~B~~ U	1	ICPST	8/11/2006	15:50
Vanadium	292.40	0.56	50.0	49.5	~~B~~ J	1	ICPST	8/11/2006	15:50
Zinc	206.2	1.0	20.0	597		1	ICPST	8/11/2006	15:50

Comments: Lot #: C6G290164 Sample #: 6 Color:pre- brown, post- brown. Clarity:pre cloudy, post- cloudy

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: JAAF2 **Client ID:** TW6

Matrix: Water **Units:** ug/L **Prep Date:** 8/15/2006 **Prep Batch:** 6227050

Weight: NA **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.042	0.20	0.65		1	CVAA	8/15/2006	9:02

Comments: Lot #: C6G290164 Sample #: 6

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 1 Equivalent

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6G290164 007
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / mL Date Received: 07/29/06
Work Order: JAAF61AH Date Extracted:08/02/06
Dilution factor: 1 Date Analyzed: 08/02/06
Moisture %:

QC Batch: 6214421

Client Sample Id: TW60

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	6.5	J
71-43-2	Benzene	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
78-93-3	2-Butanone	10	U
75-15-0	Carbon disulfide	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
106-93-4	1,2-Dibromoethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6G290164 007
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / mL Date Received: 07/29/06
Work Order: JAAF61AH Date Extracted:08/02/06
Dilution factor: 1 Date Analyzed: 08/02/06
Moisture %:

QC Batch: 6214421

Client Sample Id: TW60

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
100-41-4	Ethylbenzene	10	U
591-78-6	2-Hexanone	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
108-87-2	Methylcyclohexane	10	U
108-10-1	4-Methyl-2-pentanone	10	U
1634-04-4	Methyl tert-butyl ether	10	U
100-42-5	Styrene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
127-18-4	Tetrachloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	10	U
108-88-3	Toluene	10	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Xylenes (total)	10	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6G290164 007
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 1010 / mL Date Received: 07/29/06
Work Order: JAAF61AJ Date Extracted:08/01/06
Dilution factor: 0.99 Date Analyzed: 08/10/06
Moisture %:
QC Batch: 6213214

Client Sample Id: TW60

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
83-32-9	**Acenaphthene**	**12**	
208-96-8	Acenaphthylene	9.9	U
98-86-2	Acetophenone	9.9	U
120-12-7	**Anthracene**	**1.5**	**J**
1912-24-9	Atrazine	9.9	U
56-55-3	Benzo(a)anthracene	9.9	U
50-32-8	Benzo(a)pyrene	9.9	U
205-99-2	Benzo(b)fluoranthene	9.9	U
191-24-2	Benzo(ghi)perylene	9.9	U
207-08-9	Benzo(k)fluoranthene	9.9	U
100-52-7	Benzaldehyde	9.9	U
92-52-4	1,1'-Biphenyl	9.9	U
111-91-1	bis(2-Chloroethoxy)methane	9.9	U
111-44-4	bis(2-Chloroethyl) ether	9.9	U
117-81-7	bis(2-Ethylhexyl) phthalate	9.9	U
101-55-3	4-Bromophenyl phenyl ether	9.9	U
85-68-7	Butyl benzyl phthalate	9.9	U
105-60-2	**Caprolactam**	**5.2**	**J**
86-74-8	Carbazole	9.9	U
106-47-8	4-Chloroaniline	9.9	U
59-50-7	4-Chloro-3-methylphenol	9.9	U
91-58-7	2-Chloronaphthalene	9.9	U
95-57-8	2-Chlorophenol	9.9	U
7005-72-3	4-Chlorophenyl phenyl ether	9.9	U
218-01-9	Chrysene	9.9	U
53-70-3	Dibenz(a,h)anthracene	9.9	U
132-64-9	Dibenzofuran	9.9	U
91-94-1	3,3'-Dichlorobenzidine	9.9	U

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6G290164 007
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 1010 / mL Date Received: 07/29/06
Work Order: JAAF61AJ Date Extracted:08/01/06
Dilution factor: 0.99 Date Analyzed: 08/10/06
Moisture %:

QC Batch: 6213214

Client Sample Id: TW60

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
120-83-2	2,4-Dichlorophenol	9.9	U
84-66-2	Diethyl phthalate	9.9	U
105-67-9	2,4-Dimethylphenol	9.9	U
131-11-3	Dimethyl phthalate	9.9	U
84-74-2	Di-n-butyl phthalate	9.9	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
51-28-5	2,4-Dinitrophenol	25	U
121-14-2	2,4-Dinitrotoluene	9.9	U
606-20-2	2,6-Dinitrotoluene	9.9	U
117-84-0	Di-n-octyl phthalate	9.9	U
206-44-0	**Fluoranthene**	**1.1**	**J**
86-73-7	**Fluorene**	**4.6**	**J**
118-74-1	Hexachlorobenzene	9.9	U
87-68-3	Hexachlorobutadiene	9.9	U
77-47-4	Hexachlorocyclopentadiene	9.9	U
67-72-1	Hexachloroethane	9.9	U
193-39-5	Indeno(1,2,3-cd)pyrene	9.9	U
78-59-1	Isophorone	9.9	U
91-57-6	2-Methylnaphthalene	9.9	U
95-48-7	2-Methylphenol	9.9	U
106-44-5	4-Methylphenol	9.9	U
91-20-3	Naphthalene	9.9	U
88-74-4	2-Nitroaniline	25	U
99-09-2	3-Nitroaniline	25	U
100-01-6	4-Nitroaniline	25	U
98-95-3	Nitrobenzene	9.9	U
88-75-5	2-Nitrophenol	9.9	U
100-02-7	4-Nitrophenol	25	U

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WG Lab Sample ID:C6G290164 007
Method: OCLP OLM04.2
Semi-Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 1010 / mL Date Received: 07/29/06
Work Order: JAAF61AJ Date Extracted:08/01/06
Dilution factor: 0.99 Date Analyzed: 08/10/06
Moisture %:

QC Batch: 6213214

Client Sample Id: TW60

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
621-64-7	N-Nitrosodi-n-propylamine	9.9	U
86-30-6	N-Nitrosodiphenylamine	9.9	U
108-60-1	2,2'-oxybis(1-Chloropropane)	9.9	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	9.9	U
108-95-2	Phenol	9.9	U
129-00-0	**Pyrene**	**1.4**	**J**
95-95-4	2,4,5-Trichlorophenol	25	U
88-06-2	2,4,6-Trichlorophenol	9.9	U

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: JAAF6 **Client ID:** TW60

Matrix: Water **Units:** ug/L **Prep Date:** 8/2/2006 **Prep Batch:** 6214392

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.22	6.9	200	50000		1	ICPST	8/11/2006	15:55
Antimony	206.84	2.3	60.0	2.3	U	1	ICPST	8/11/2006	15:55
Arsenic	189.04	1.9	10.0	12.0		1	ICPST	8/11/2006	15:55
Barium	493.41	0.14	200	620		1	ICPST	8/11/2006	15:55
Beryllium	313.04	0.17	5.0	2.8	~~B~~ J	1	ICPST	8/11/2006	15:55
Cadmium	226.50	0.31	5.0	0.31	U	1	ICPST	8/11/2006	15:55
Calcium	317.93	4.1	5000	17400		1	ICPST	8/11/2006	15:55
Chromium	267.72	0.60	10.0	45.7		1	ICPST	8/11/2006	15:55
Cobalt	228.62	0.64	50.0	32.8	~~B~~ J	1	ICPST	8/11/2006	15:55
Copper	324.75	0.91	25.0	122		1	ICPST	8/11/2006	15:55
Iron	271.44	13.4	100	46700		1	ICPST	8/11/2006	15:55
Lead	220.35	1.6	3.0	120		1	ICPST	8/11/2006	15:55
Magnesium	279.08	5.2	5000	9650		1	ICPST	8/11/2006	15:55
Manganese	257.61	0.15	15.0	1020		1	ICPST	8/11/2006	15:55
Nickel	231.60	0.71	40.0	66.3		1	ICPST	8/11/2006	15:55
Potassium	766.49	10.5	5000	9570		1	ICPST	8/11/2006	15:55
Selenium	220.35	2.0	5.0	5.8	~~N~~ J	1	ICPST	8/11/2006	15:55
Silver	328.07	0.45	10.0	0.70	~~B~~ J	1	ICPST	8/11/2006	15:55
Sodium	330.23	99.8	5000	30800		1	ICPST	8/11/2006	15:55
Thallium	190.86	2.8	10.0	/0 ~~3.0~~	~~B~~ U	1	ICPST	8/11/2006	15:55
Vanadium	292.40	0.56	50.0	49.4	~~B~~ J	1	ICPST	8/11/2006	15:55
Zinc	206.2	1.0	20.0	642		1	ICPST	8/11/2006	15:55

Comments: Lot #: C6G290164 Sample #: 7Color:pre- brown, post- brown. Clarity:pre cloudy, post- cloudy

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 1 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Results

Lab Sample ID: JAAF6 **Client ID:** TW60

Matrix: Water **Units:** ug/L **Prep Date:** 8/15/2006 **Prep Batch:** 6227050

Weight: NA **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.042	0.20	0.69		1	CVAA	8/15/2006	9:04

Comments: Lot #: C6G290164 Sample #: 7

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 1 Equivalent

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WQ Lab Sample ID:C6G290164 008
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / mL Date Received: 07/29/06
Work Order: JAAF91AA Date Extracted:08/02/06
Dilution factor: 1 Date Analyzed: 08/02/06
Moisture %:

QC Batch: 6214421

Client Sample Id: TB(7-27-06)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
100-41-4	Ethylbenzene	10	U
591-78-6	2-Hexanone	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
108-87-2	Methylcyclohexane	10	U
108-10-1	4-Methyl-2-pentanone	10	U
1634-04-4	Methyl tert-butyl ether	10	U
100-42-5	Styrene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
127-18-4	Tetrachloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	10	U
108-88-3	Toluene	10	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Xylenes (total)	10	U

FORM I

Lab Name: Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WQ Lab Sample ID: C6G290164 008
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / mL Date Received: 07/29/06
Work Order: JAAF91AA Date Extracted: 08/02/06
Dilution factor: 1 Date Analyzed: 08/02/06
Moisture %:
QC Batch: 6214421

Client Sample Id: TB(7-27-06)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q	
67-64-1	Acetone	10	U	J
71-43-2	Benzene	10	U	
75-27-4	Bromodichloromethane	10	U	
75-25-2	Bromoform	10	U	
74-83-9	Bromomethane	10	U	
78-93-3	2-Butanone	10	U	
75-15-0	Carbon disulfide	10	U	
56-23-5	Carbon tetrachloride	10	U	
108-90-7	Chlorobenzene	10	U	
75-00-3	Chloroethane	10	U	
67-66-3	Chloroform	10	U	
74-87-3	Chloromethane	10	U	
110-82-7	Cyclohexane	10	U	
124-48-1	Dibromochloromethane	10	U	
96-12-8	1,2-Dibromo-3-chloropropane	10	U	
106-93-4	1,2-Dibromoethane	10	U	
541-73-1	1,3-Dichlorobenzene	10	U	
106-46-7	1,4-Dichlorobenzene	10	U	
95-50-1	1,2-Dichlorobenzene	10	U	
75-71-8	Dichlorodifluoromethane	10	U	
75-34-3	1,1-Dichloroethane	10	U	
107-06-2	1,2-Dichloroethane	10	U	
75-35-4	1,1-Dichloroethene	10	U	
156-59-2	cis-1,2-Dichloroethene	10	U	
156-60-5	trans-1,2-Dichloroethene	10	U	
78-87-5	1,2-Dichloropropane	10	U	
10061-01-5	cis-1,3-Dichloropropene	10	U	
10061-02-6	trans-1,3-Dichloropropene	10	U	

FORM I

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WQ Lab Sample ID:C6F280229 009
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / mL Date Received: 06/28/06
Work Order: H8DVL1AA Date Extracted:07/03/06
Dilution factor: 1 Date Analyzed: 07/03/06
Moisture %:

QC Batch: 6184148

Client Sample Id: TB(062706)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
100-41-4	Ethylbenzene	10	U
591-78-6	2-Hexanone	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	10	U
108-87-2	Methylcyclohexane	10	U
108-10-1	4-Methyl-2-pentanone	10	U
1634-04-4	Methyl tert-butyl ether	10	U
100-42-5	Styrene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
127-18-4	Tetrachloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	10	U
108-88-3	Toluene	10	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Xylenes (total)	10	U

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WQ Lab Sample ID:C6F280229 009
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / mL Date Received: 06/28/06
Work Order: H8DVL1AA Date Extracted:07/03/06
Dilution factor: 1 Date Analyzed: 07/03/06
Moisture %:

QC Batch: 6184148

Client Sample Id: TB(062706)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	10	U
71-43-2	Benzene	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
78-93-3	2-Butanone	10	U
75-15-0	Carbon disulfide	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
106-93-4	1,2-Dibromoethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

FORM I

Chain of Custody Record

No. 0699

0606679

The RETEC Group, Inc.
1001 W. Seneca Street Suite 204 • Ithaca, NY 14850-3342
(607) 277-5716 Phone • (607) 277-9057 Fax
www.retec.com

RETEC

Project Name: Bat Jenis SI-28 Nest	Project Number: ORANZ-19643-800
Send Report To: James Edwards	Sampler (Print Name): Scott Houseworth
Address: RETEC	Sampler (Print Name): Jesse Lloyd
1001 W. Seneca St, Suite 204	Shipment Method: FedEx
Ithaca, NY 14850	Airbill Number:
Phone: 607-277-5716	Laboratory Receiving: Air Toxics
Fax: 607-277-9057	Start/End Can #

Page 1 of 1

Receipt Vacuum VHR 7/11/06

Analysis Requested: TO-15+ RETEC MSP, Indoor Compounds, Helium

Purchase Order #:

	Field Sample ID	Sample Date	Time Start	Time End	Number of Containers	Comments, Special Instructions, etc.	Start Pressure	End Pressure	Lab Sample ID (to be completed by lab)
01A	GRIA4	6/26/06	1114	1327	431		-30.0	-4.5	4.5" Hg
02A	GRAMBUP		1116	1325	34026		-28.5	-5.0	3.5" Hg
03A	GRIA3		1117	1340	33893		-30.0	-5.0	6.0" Hg
04A	GRIA3DUP		1117	1343	35264		-30+	-5.0	1.0" Hg
05A	GRSG4		1436	1700	34508		-29.0	-5.0	5.0" Hg
06A	GRSG3		1528	1752	17954		-30+	-5.0	3.5" Hg

Relinquished by: (Signature)	Received by: (Signature) 1010	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature) 6/27/06	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

CUSTODY SEAL INTACT? Y N NONE TEMP N/A

Sample Custodian Remarks (Completed By Laboratory).

QA/QC Level	Turna round	Sample Receipt
Standard		Total # Containers Received?
Level I	Routine X	COC Seals Present?
Level II	24 Hour	COC Seals Intact?
Level III	1 Week	Received Containers Intact?
Level IV	Other	Temperature?

White: Lab Copy Yellow: PM Copy Pink: Field Copy Gold: PM/QA/QC Copy

FedEx # 855415781514

@ AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRSG3

Lab ID#: 0606679AR1-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7071322	Date of Collection: 6/26/06
Dil. Factor:	1.52	Date of Analysis: 7/14/06 05:25 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.15	1.2	0.75	5.9
Freon 114	0.15	Not Detected	1.1	Not Detected
Chloromethane	0.15	0.22	0.31	0.46
Vinyl Chloride	0.15	Not Detected	0.39	Not Detected
Bromomethane	0.15	Not Detected	0.59	Not Detected
Chloroethane	0.15 UJ	Not Detected	0.40 UJ	Not Detected
Freon 11	0.15	12	0.85	68
1,1-Dichloroethene	0.15	Not Detected	0.60	Not Detected
Freon 113	0.15	Not Detected	1.2	Not Detected
Methylene Chloride	0.15	0.28	0.53	0.98
1,1-Dichloroethane	0.15	Not Detected	0.62	Not Detected
cis-1,2-Dichloroethene	0.15	Not Detected	0.60	Not Detected
Chloroform	0.15	Not Detected	0.74	Not Detected
1,1,1-Trichloroethane	0.15	Not Detected	0.83	Not Detected
Carbon Tetrachloride	0.15	Not Detected	0.96	Not Detected
Benzene	0.15	0.81	0.48	2.6
1,2-Dichloroethane	0.15	Not Detected	0.62	Not Detected
Trichloroethene	0.15	Not Detected	0.82	Not Detected
1,2-Dichloropropane	0.15	Not Detected	0.70	Not Detected
cis-1,3-Dichloropropene	0.15	Not Detected	0.69	Not Detected
Toluene	0.15	2.6	0.57	9.9
trans-1,3-Dichloropropene	0.15	Not Detected	0.69	Not Detected
1,1,2-Trichloroethane	0.15	Not Detected	0.83	Not Detected
Tetrachloroethene	0.15	24	1.0	160
1,2-Dibromoethane (EDB)	0.15	Not Detected	1.2	Not Detected
Chlorobenzene	0.15	Not Detected	0.70	Not Detected
Ethyl Benzene	0.15	0.23	0.66	1.0
m,p-Xylene	0.15	0.83	0.66	3.6
o-Xylene	0.15	0.26	0.66	1.1
Styrene	0.15	Not Detected	0.65	Not Detected
1,1,2,2-Tetrachloroethane	0.15	Not Detected	1.0	Not Detected
1,3,5-Trimethylbenzene	0.15	Not Detected	0.75	Not Detected
1,2,4-Trimethylbenzene	0.15	0.21	0.75	1.0
1,3-Dichlorobenzene	0.15	Not Detected	0.91	Not Detected
1,4-Dichlorobenzene	0.15	Not Detected	0.91	Not Detected
alpha-Chlorotoluene	0.15	Not Detected	0.79	Not Detected
1,2-Dichlorobenzene	0.15	Not Detected	0.91	Not Detected
1,2,4-Trichlorobenzene	0.76	Not Detected	5.6	Not Detected
Hexachlorobutadiene	0.76	Not Detected	8.1	Not Detected
Propylene	0.76	Not Detected	1.3	Not Detected

@ AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRSG3

Lab ID#: 0606679AR1-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7071322	**Date of Collection:**	6/26/06
Dil. Factor:	1.52	**Date of Analysis:**	7/14/06 05:25 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,3-Butadiene	0.76	Not Detected	1.7	Not Detected
Acetone	0.76	7.4	1.8	17
Carbon Disulfide	0.76	1.9	2.4	5.8
trans-1,2-Dichloroethene	0.76	Not Detected	3.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.76	1.6 J	2.2	4.7 J
Hexane	0.76	2.6	2.7	9.0
Tetrahydrofuran	0.76	Not Detected	2.2	Not Detected
Cyclohexane	0.76	Not Detected	2.6	Not Detected
1,4-Dioxane	0.76	Not Detected	2.7	Not Detected
Bromodichloromethane	0.76	Not Detected	5.1	Not Detected
4-Methyl-2-pentanone	0.76	Not Detected	3.1	Not Detected
2-Hexanone	0.76	Not Detected	3.1	Not Detected
Dibromochloromethane	0.76	Not Detected	6.5	Not Detected
Bromoform	0.76	Not Detected	7.8	Not Detected
4-Ethyltoluene	0.76	Not Detected	3.7	Not Detected
Ethanol	0.76	22	1.4	42
Methyl tert-butyl ether	0.76	Not Detected	2.7	Not Detected
Heptane	0.76	Not Detected	3.1	Not Detected
Naphthalene	0.76	Not Detected	4.0	Not Detected
2-Methylpentane	0.76	4.2	2.7	15
Isopentane	0.76	33 J	2.2	97 J
2,3-Dimethylpentane	0.76	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.76	Not Detected	3.6	Not Detected
Indene	0.76	Not Detected	3.6	Not Detected
Indan	0.76	Not Detected	3.7	Not Detected
Thiophene	0.76	Not Detected	2.6	Not Detected
2-Propanol	0.76	1.0	1.9	2.5

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Methane, trifluoro-	75-46-7	3.0%	22 N J
Propane, 2-methyl-	75-28-5	59%	24 N J
Butane	106-97-8	72%	46 N J
Acetaldehyde	75-07-0	86%	7.4 N J
Pentane	109-66-0	90%	21 N J
Pentane, 3-methyl-	96-14-0	90%	5.6 N J
2-Hexene, 5,5-dimethyl-, (Z)-	39761-61-0	80%	13 N J
Decane, 2,2-dimethyl-	17302-37-3	72%	3.7 N J
Dodecane, 2,5-dimethyl-	56292-65-0	72%	5.7 N J

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRSG3

Lab ID#: 0606679AR1-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7071322	Date of Collection:	6/26/06
Dil. Factor:	1.52	Date of Analysis:	7/14/06 05:25 AM

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Hexane, 2,2,3-trimethyl-	16747-25-4	64%	7.2 N J

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	102	70-130
Toluene-d8	99	70-130

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRSG3

Lab ID#: 0606679B-06A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	**9070527b**	**Date of Collection: 6/26/06**	
Dil. Factor:	**1.52**	**Date of Analysis: 7/5/06 08:16 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.015	0.16

Container Type: 6 Liter Summa Special (100% Certified)

0012

@ AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRSG4

Lab ID#: 0606679AR1-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7071323r1	Date of Collection: 6/26/06
Dil. Factor:	1.61	Date of Analysis: 7/14/06 06:04 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.16	0.69	0.80	3.4
Freon 114	0.16	Not Detected	1.1	Not Detected
Chloromethane	0.16	Not Detected	0.33	Not Detected
Vinyl Chloride	0.16	Not Detected	0.41	Not Detected
Bromomethane	0.16	Not Detected	0.62	Not Detected
Chloroethane	0.16 UJ	Not Detected	0.42 UJ	Not Detected
Freon 11	0.16	45	0.90	250
1,1-Dichloroethene	0.16	Not Detected	0.64	Not Detected
Freon 113	0.16	Not Detected	1.2	Not Detected
Methylene Chloride	0.16	Not Detected	0.56	Not Detected
1,1-Dichloroethane	0.16	Not Detected	0.65	Not Detected
cis-1,2-Dichloroethene	0.16	Not Detected	0.64	Not Detected
Chloroform	0.16	0.37	0.79	1.8
1,1,1-Trichloroethane	0.16	Not Detected	0.88	Not Detected
Carbon Tetrachloride	0.16	Not Detected	1.0	Not Detected
Benzene	0.16	0.43	0.51	1.4
1,2-Dichloroethane	0.16	Not Detected	0.65	Not Detected
Trichloroethene	0.16	Not Detected	0.86	Not Detected
1,2-Dichloropropane	0.16	Not Detected	0.74	Not Detected
cis-1,3-Dichloropropene	0.16	Not Detected	0.73	Not Detected
Toluene	0.16	0.97	0.61	3.6
trans-1,3-Dichloropropene	0.16	Not Detected	0.73	Not Detected
1,1,2-Trichloroethane	0.16	Not Detected	0.88	Not Detected
Tetrachloroethene	0.16	16	1.1	110
1,2-Dibromoethane (EDB)	0.16	Not Detected	1.2	Not Detected
Chlorobenzene	0.16	Not Detected	0.74	Not Detected
Ethyl Benzene	0.16	Not Detected	0.70	Not Detected
m,p-Xylene	0.16	0.29	0.70	1.3
o-Xylene	0.16	Not Detected	0.70	Not Detected
Styrene	0.16	Not Detected	0.68	Not Detected
1,1,2,2-Tetrachloroethane	0.16	Not Detected	1.1	Not Detected
1,3,5-Trimethylbenzene	0.16	Not Detected	0.79	Not Detected
1,2,4-Trimethylbenzene	0.16	Not Detected	0.79	Not Detected
1,3-Dichlorobenzene	0.16	Not Detected	0.97	Not Detected
1,4-Dichlorobenzene	0.16	Not Detected	0.97	Not Detected
alpha-Chlorotoluene	0.16	Not Detected	0.83	Not Detected
1,2-Dichlorobenzene	0.16	Not Detected	0.97	Not Detected
1,2,4-Trichlorobenzene	0.80	Not Detected	6.0	Not Detected
Hexachlorobutadiene	0.80	Not Detected	8.6	Not Detected
Propylene	0.80	6.8	1.4	12

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRSG4

Lab ID#: 0606679AR1-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7071323r1**	**Date of Collection: 6/26/06**	
Dil. Factor:	**1.61**	**Date of Analysis: 7/14/06 06:04 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,3-Butadiene	0.80	0.84	1.8	1.9
Acetone	0.80	23	1.9	54
Carbon Disulfide	0.80	4.0	2.5	13
trans-1,2-Dichloroethene	0.80	Not Detected	3.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.80	4.2 J	2.4	12 J
Hexane	0.80	0.94	2.8	3.3
Tetrahydrofuran	0.80	Not Detected	2.4	Not Detected
Cyclohexane	0.80	Not Detected	2.8	Not Detected
1,4-Dioxane	0.80	Not Detected	2.9	Not Detected
Bromodichloromethane	0.80	Not Detected	5.4	Not Detected
4-Methyl-2-pentanone	0.80	Not Detected	3.3	Not Detected
2-Hexanone	0.80	Not Detected	3.3	Not Detected
Dibromochloromethane	0.80	Not Detected	6.8	Not Detected
Bromoform	0.80	Not Detected	8.3	Not Detected
4-Ethyltoluene	0.80	Not Detected	4.0	Not Detected
Ethanol	0.80	7.1	1.5	13
Methyl tert-butyl ether	0.80	Not Detected	2.9	Not Detected
Heptane	0.80	Not Detected	3.3	Not Detected
Naphthalene	0.80	Not Detected	4.2	Not Detected
2-Methylpentane	0.80	0.89	2.8	3.1
Isopentane	0.80	7.1 J	2.4	21 J
2,3-Dimethylpentane	0.80	Not Detected	3.3	Not Detected
2,2,4-Trimethylpentane	0.80	Not Detected	3.8	Not Detected
Indene	0.80	Not Detected	3.8	Not Detected
Indan	0.80	Not Detected	3.9	Not Detected
Thiophene	0.80	Not Detected	2.8	Not Detected
2-Propanol	0.80	Not Detected	2.0	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
1-Butene	106-98-9	80%	20 N J
Acetaldehyde	75-07-0	90%	18 N J
Pentane	109-66-0	86%	5.4 N J
Unknown	NA	NA	5.2 J
Butanal	123-72-8	64%	12 N J
Pentanal	110-62-3	53%	4.8 N J
Hexanal	66-25-1	90%	4.6 N J
Heptanal	111-71-7	53%	5.0 N J
Unknown	NA	NA	4.6 J

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRSG4

Lab ID#: 0606679AR1-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7071323r1**	**Date of Collection: 6/26/06**	
Dil. Factor:	**1.61**	**Date of Analysis: 7/14/06 06:04 AM**	

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Octanal	124-13-0	50%	6.2 N J

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	102	70-130
Toluene-d8	98	70-130

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRSG4

Lab ID#: 0606679B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1945

File Name:	**9070526b**	**Date of Collection: 6/26/06**	
Dil. Factor:	**1.61**	**Date of Analysis: 7/5/06 07:42 PM**	

Compound	Rpt. Limit (%)	Amount (%)
Helium	0.016	Not Detected

Container Type: 6 Liter Summa Special (100% Certified)

0007

@ AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRIA3

Lab ID#: 0606679AR1-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7071324r1	Date of Collection:	6/26/06
Dil. Factor:	24.0	Date of Analysis:	7/14/06 09:23 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	2.4	Not Detected	12	Not Detected
Freon 114	2.4	Not Detected	17	Not Detected
Chloromethane	2.4	Not Detected	5.0	Not Detected
Vinyl Chloride	2.4	Not Detected	6.1	Not Detected
Bromomethane	2.4	Not Detected	9.3	Not Detected
Chloroethane	2.4 UJ	Not Detected	6.3 UJ	Not Detected
Freon 11	2.4	Not Detected	13	Not Detected
1,1-Dichloroethene	2.4	Not Detected	9.5	Not Detected
Freon 113	2.4	Not Detected	18	Not Detected
Methylene Chloride	2.4	Not Detected	8.3	Not Detected
1,1-Dichloroethane	2.4	Not Detected	9.7	Not Detected
cis-1,2-Dichloroethene	2.4	Not Detected	9.5	Not Detected
Chloroform	2.4	Not Detected	12	Not Detected
1,1,1-Trichloroethane	2.4	Not Detected	13	Not Detected
Carbon Tetrachloride	2.4	Not Detected	15	Not Detected
Benzene	2.4	15	7.7	49
1,2-Dichloroethane	2.4	Not Detected	9.7	Not Detected
Trichloroethene	2.4	Not Detected	13	Not Detected
1,2-Dichloropropane	2.4	Not Detected	11	Not Detected
cis-1,3-Dichloropropene	2.4	Not Detected	11	Not Detected
Toluene	2.4	9.2 J	9.0	34 J
trans-1,3-Dichloropropene	2.4	Not Detected	11	Not Detected
1,1,2-Trichloroethane	2.4	Not Detected	13	Not Detected
Tetrachloroethene	2.4	Not Detected	16	Not Detected
1,2-Dibromoethane (EDB)	2.4	Not Detected	18	Not Detected
Chlorobenzene	2.4	Not Detected	11	Not Detected
Ethyl Benzene	2.4	Not Detected	10	Not Detected
m,p-Xylene	2.4	2.5	10	11
o-Xylene	2.4	Not Detected	10	Not Detected
Styrene	2.4	Not Detected	10	Not Detected
1,1,2,2-Tetrachloroethane	2.4	Not Detected	16	Not Detected
1,3,5-Trimethylbenzene	2.4	Not Detected	12	Not Detected
1,2,4-Trimethylbenzene	2.4	Not Detected	12	Not Detected
1,3-Dichlorobenzene	2.4	Not Detected	14	Not Detected
1,4-Dichlorobenzene	2.4	Not Detected	14	Not Detected
alpha-Chlorotoluene	2.4	Not Detected	12	Not Detected
1,2-Dichlorobenzene	2.4	Not Detected	14	Not Detected
1,2,4-Trichlorobenzene	12	Not Detected	89	Not Detected
Hexachlorobutadiene	12	Not Detected	130	Not Detected
Propylene	12	Not Detected	21	Not Detected

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRIA3

Lab ID#: 0606679AR1-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7071324r1	Date of Collection:	6/26/06
Dil. Factor:	24.0	Date of Analysis:	7/14/06 09:23 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,3-Butadiene	12	Not Detected	26	Not Detected
Acetone	12	35	28	83
Carbon Disulfide	12	Not Detected	37	Not Detected
trans-1,2-Dichloroethene	12	Not Detected	48	Not Detected
2-Butanone (Methyl Ethyl Ketone)	12	Not Detected	35	Not Detected
Hexane	12	22	42	78
Tetrahydrofuran	12	Not Detected	35	Not Detected
Cyclohexane	12	Not Detected	41	Not Detected
1,4-Dioxane	12	Not Detected	43	Not Detected
Bromodichloromethane	12	Not Detected	80	Not Detected
4-Methyl-2-pentanone	12	Not Detected	49	Not Detected
2-Hexanone	12	Not Detected	49	Not Detected
Dibromochloromethane	12	Not Detected	100	Not Detected
Bromoform	12	Not Detected	120	Not Detected
4-Ethyltoluene	12	Not Detected	59	Not Detected
Ethanol	12	860	23	1600
Methyl tert-butyl ether	12	Not Detected	43	Not Detected
Heptane	12	13	49	54
Naphthalene	12	Not Detected	63	Not Detected
2-Methylpentane	12	20	42	71
Isopentane	12	120 J	35	360 J
2,3-Dimethylpentane	12	Not Detected	49	Not Detected
2,2,4-Trimethylpentane	12	Not Detected	56	Not Detected
Indene	12	Not Detected	57	Not Detected
Indan	12	Not Detected	58	Not Detected
Thiophene	12	Not Detected	41	Not Detected
2-Propanol	12	Not Detected	29	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	31 J
Propane, 2-methyl-	75-28-5	59%	290 N J
Butane	106-97-8	72%	250 N J
Acetaldehyde	75-07-0	90%	34 N J
Pentane	109-66-0	90%	100 N J
Pentane, 3-methyl-	96-14-0	90%	26 N J
Cyclopentane, methyl-	96-37-7	80%	21 N J
Cyclohexane, methyl-	108-87-2	64%	19 N J

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRIA3

Lab ID#: 0606679AR1-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7071324r1	Date of Collection:	6/26/06
Dil. Factor:	24.0	Date of Analysis:	7/14/06 09:23 AM

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	102	70-130
Toluene-d8	97	70-130

@ AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRIA3DUP

Lab ID#: 0606679AR1-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7071325r1	Date of Collection:	6/26/06
Dil. Factor:	27.8	Date of Analysis:	7/14/06 10:03 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	2.8	Not Detected	14	Not Detected
Freon 114	2.8	Not Detected	19	Not Detected
Chloromethane	2.8	Not Detected	5.7	Not Detected
Vinyl Chloride	2.8	Not Detected	7.1	Not Detected
Bromomethane	2.8	Not Detected	11	Not Detected
Chloroethane	2.8 UJ	Not Detected	7.3 UJ	Not Detected
Freon 11	2.8	Not Detected	16	Not Detected
1,1-Dichloroethene	2.8	Not Detected	11	Not Detected
Freon 113	2.8	Not Detected	21	Not Detected
Methylene Chloride	2.8	Not Detected	9.6	Not Detected
1,1-Dichloroethane	2.8	Not Detected	11	Not Detected
cis-1,2-Dichloroethene	2.8	Not Detected	11	Not Detected
Chloroform	2.8	Not Detected	14	Not Detected
1,1,1-Trichloroethane	2.8	Not Detected	15	Not Detected
Carbon Tetrachloride	2.8	Not Detected	17	Not Detected
Benzene	2.8	12	8.9	39
1,2-Dichloroethane	2.8	Not Detected	11	Not Detected
Trichloroethene	2.8	Not Detected	15	Not Detected
1,2-Dichloropropane	2.8	Not Detected	13	Not Detected
cis-1,3-Dichloropropene	2.8	Not Detected	13	Not Detected
Toluene	2.8	12 J	10	47 J
trans-1,3-Dichloropropene	2.8	Not Detected	13	Not Detected
1,1,2-Trichloroethane	2.8	Not Detected	15	Not Detected
Tetrachloroethene	2.8	Not Detected	19	Not Detected
1,2-Dibromoethane (EDB)	2.8	Not Detected	21	Not Detected
Chlorobenzene	2.8	Not Detected	13	Not Detected
Ethyl Benzene	2.8	Not Detected	12	Not Detected
m,p-Xylene	2.8	3.0	12	13
o-Xylene	2.8	Not Detected	12	Not Detected
Styrene	2.8	Not Detected	12	Not Detected
1,1,2,2-Tetrachloroethane	2.8	Not Detected	19	Not Detected
1,3,5-Trimethylbenzene	2.8	Not Detected	14	Not Detected
1,2,4-Trimethylbenzene	2.8	Not Detected	14	Not Detected
1,3-Dichlorobenzene	2.8	Not Detected	17	Not Detected
1,4-Dichlorobenzene	2.8	Not Detected	17	Not Detected
alpha-Chlorotoluene	2.8	Not Detected	14	Not Detected
1,2-Dichlorobenzene	2.8	Not Detected	17	Not Detected
1,2,4-Trichlorobenzene	14	Not Detected	100	Not Detected
Hexachlorobutadiene	14	Not Detected	150	Not Detected
Propylene	14	Not Detected	24	Not Detected

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRIA3DUP

Lab ID#: 0606679AR1-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7071325r1	**Date of Collection:**	6/26/06
Dil. Factor:	27.8	**Date of Analysis:**	7/14/06 10:03 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,3-Butadiene	14	Not Detected	31	Not Detected
Acetone	14	29	33	68
Carbon Disulfide	14	Not Detected	43	Not Detected
trans-1,2-Dichloroethene	14	Not Detected	55	Not Detected
2-Butanone (Methyl Ethyl Ketone)	14	Not Detected	41	Not Detected
Hexane	14	22	49	76
Tetrahydrofuran	14	Not Detected	41	Not Detected
Cyclohexane	14	Not Detected	48	Not Detected
1,4-Dioxane	14	Not Detected	50	Not Detected
Bromodichloromethane	14	Not Detected	93	Not Detected
4-Methyl-2-pentanone	14	Not Detected	57	Not Detected
2-Hexanone	14	Not Detected	57	Not Detected
Dibromochloromethane	14	Not Detected	120	Not Detected
Bromoform	14	Not Detected	140	Not Detected
4-Ethyltoluene	14	Not Detected	68	Not Detected
Ethanol	14	800	26	1500
Methyl tert-butyl ether	14	Not Detected	50	Not Detected
Heptane	14	Not Detected	57	Not Detected
Naphthalene	14	Not Detected	73	Not Detected
2-Methylpentane	14	20	49	70
Isopentane	14	130 J	41	370 J
2,3-Dimethylpentane	14	Not Detected	57	Not Detected
2,2,4-Trimethylpentane	14	Not Detected	65	Not Detected
Indene	14	Not Detected	66	Not Detected
Indan	14	Not Detected	67	Not Detected
Thiophene	14	Not Detected	48	Not Detected
2-Propanol	14	Not Detected	34	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Propane	74-98-6	9.0%	220 N J
Propane, 2-methyl-	75-28-5	59%	270 N J
Butane	106-97-8	80%	240 N J
Pentane	109-66-0	90%	100 N J

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRIA3DUP

Lab ID#: 0606679AR1-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7071325r1**	**Date of Collection: 6/26/06**	
Dil. Factor:	**27.8**	**Date of Analysis: 7/14/06 10:03 AM**	

Surrogates	%Recovery	Method Limits
4-Bromofluorobenzene	101	70-130
Toluene-d8	98	70-130

@ AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRIA4

Lab ID#: 0606679AR1-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7071320r1	Date of Collection:	6/26/06
Dil. Factor:	15.8	Date of Analysis:	7/14/06 04:07 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.6	Not Detected	7.8	Not Detected
Freon 114	1.6	Not Detected	11	Not Detected
Chloromethane	1.6	Not Detected	3.3	Not Detected
Vinyl Chloride	1.6	Not Detected	4.0	Not Detected
Bromomethane	1.6	Not Detected	6.1	Not Detected
Chloroethane	1.6 UJ	Not Detected	4.2 UJ	Not Detected
Freon 11	1.6	Not Detected	8.9	Not Detected
1,1-Dichloroethene	1.6	Not Detected	6.3	Not Detected
Freon 113	1.6	Not Detected	12	Not Detected
Methylene Chloride	1.6	Not Detected	5.5	Not Detected
1,1-Dichloroethane	1.6	Not Detected	6.4	Not Detected
cis-1,2-Dichloroethene	1.6	Not Detected	6.3	Not Detected
Chloroform	1.6	Not Detected	7.7	Not Detected
1,1,1-Trichloroethane	1.6	Not Detected	8.6	Not Detected
Carbon Tetrachloride	1.6	Not Detected	9.9	Not Detected
Benzene	1.6	4.5	5.0	14
1,2-Dichloroethane	1.6	Not Detected	6.4	Not Detected
Trichloroethene	1.6	Not Detected	8.5	Not Detected
1,2-Dichloropropane	1.6	Not Detected	7.3	Not Detected
cis-1,3-Dichloropropene	1.6	Not Detected	7.2	Not Detected
Toluene	1.6	3.8	6.0	14
trans-1,3-Dichloropropene	1.6	Not Detected	7.2	Not Detected
1,1,2-Trichloroethane	1.6	Not Detected	8.6	Not Detected
Tetrachloroethene	1.6	4.1	11	28
1,2-Dibromoethane (EDB)	1.6	Not Detected	12	Not Detected
Chlorobenzene	1.6	Not Detected	7.3	Not Detected
Ethyl Benzene	1.6	Not Detected	6.9	Not Detected
m,p-Xylene	1.6	Not Detected	6.9	Not Detected
o-Xylene	1.6	Not Detected	6.9	Not Detected
Styrene	1.6	Not Detected	6.7	Not Detected
1,1,2,2-Tetrachloroethane	1.6	Not Detected	11	Not Detected
1,3,5-Trimethylbenzene	1.6	Not Detected	7.8	Not Detected
1,2,4-Trimethylbenzene	1.6	Not Detected	7.8	Not Detected
1,3-Dichlorobenzene	1.6	Not Detected	9.5	Not Detected
1,4-Dichlorobenzene	1.6	Not Detected	9.5	Not Detected
alpha-Chlorotoluene	1.6	Not Detected	8.2	Not Detected
1,2-Dichlorobenzene	1.6	Not Detected	9.5	Not Detected
1,2,4-Trichlorobenzene	7.9	Not Detected	59	Not Detected
Hexachlorobutadiene	7.9	Not Detected	84	Not Detected
Propylene	7.9	Not Detected	14	Not Detected

@ AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRIA4

Lab ID#: 0606679AR1-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7071320r1	**Date of Collection:**	6/26/06
Dil. Factor:	15.8	**Date of Analysis:**	7/14/06 04:07 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,3-Butadiene	7.9	Not Detected	17	Not Detected
Acetone	7.9	12	19	28
Carbon Disulfide	7.9	Not Detected	25	Not Detected
trans-1,2-Dichloroethene	7.9	Not Detected	31	Not Detected
2-Butanone (Methyl Ethyl Ketone)	7.9	Not Detected	23	Not Detected
Hexane	7.9	Not Detected	28	Not Detected
Tetrahydrofuran	7.9	Not Detected	23	Not Detected
Cyclohexane	7.9	Not Detected	27	Not Detected
1,4-Dioxane	7.9	Not Detected	28	Not Detected
Bromodichloromethane	7.9	Not Detected	53	Not Detected
4-Methyl-2-pentanone	7.9	Not Detected	32	Not Detected
2-Hexanone	7.9	Not Detected	32	Not Detected
Dibromochloromethane	7.9	Not Detected	67	Not Detected
Bromoform	7.9	Not Detected	82	Not Detected
4-Ethyltoluene	7.9	Not Detected	39	Not Detected
Ethanol	7.9	480	15	900
Methyl tert-butyl ether	7.9	0.93 J	28	3.4 J
Heptane	7.9	Not Detected	32	Not Detected
Naphthalene	7.9	Not Detected	41	Not Detected
2-Methylpentane	7.9	Not Detected	28	Not Detected
Isopentane	7.9	81 J	23	240 J
2,3-Dimethylpentane	7.9	Not Detected	32	Not Detected
2,2,4-Trimethylpentane	7.9	Not Detected	37	Not Detected
Indene	7.9	Not Detected	38	Not Detected
Indan	7.9	Not Detected	38	Not Detected
Thiophene	7.9	Not Detected	27	Not Detected
2-Propanol	7.9	Not Detected	19	Not Detected

J = Estimated value.

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	160 J
Propane, 2-methyl-	75-28-5	64%	110 N J
Butane	106-97-8	80%	94 N J
Pentane	109-66-0	86%	37 N J
Pentane, 2-methyl-	107-83-5	90%	20 N J

Container Type: 6 Liter Summa Special (100% Certified)

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRIA4

Lab ID#: 0606679AR1-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7071320r1**	**Date of Collection: 6/26/06**	
Dil. Factor:	**15.8**	**Date of Analysis: 7/14/06 04:07 AM**	

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	98	70-130
Toluene-d8	97	70-130

@ AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRAMBUP

Lab ID#: 0606679AR1-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7071321	Date of Collection: 6/26/06
Dil. Factor:	1.52	Date of Analysis: 7/14/06 04:46 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.15	0.58	0.75	2.9
Freon 114	0.15	Not Detected	1.1	Not Detected
Chloromethane	0.15	0.72	0.31	1.5
Vinyl Chloride	0.15	Not Detected	0.39	Not Detected
Bromomethane	0.15	Not Detected	0.59	Not Detected
Chloroethane	0.15 UJ	Not Detected	0.40 UJ	Not Detected
Freon 11	0.15	0.28	0.85	1.6
1,1-Dichloroethene	0.15	Not Detected	0.60	Not Detected
Freon 113	0.15	Not Detected	1.2	Not Detected
Methylene Chloride	0.15	Not Detected	0.53	Not Detected
1,1-Dichloroethane	0.15	Not Detected	0.62	Not Detected
cis-1,2-Dichloroethene	0.15	Not Detected	0.60	Not Detected
Chloroform	0.15	0.15	0.74	0.75
1,1,1-Trichloroethane	0.15	Not Detected	0.83	Not Detected
Carbon Tetrachloride	0.15	Not Detected	0.96	Not Detected
Benzene	0.15	0.57	0.48	1.8
1,2-Dichloroethane	0.15	Not Detected	0.62	Not Detected
Trichloroethene	0.15	Not Detected	0.82	Not Detected
1,2-Dichloropropane	0.15	Not Detected	0.70	Not Detected
cis-1,3-Dichloropropene	0.15	Not Detected	0.69	Not Detected
Toluene	0.15	1.5	0.57	5.8
trans-1,3-Dichloropropene	0.15	Not Detected	0.69	Not Detected
1,1,2-Trichloroethane	0.15	Not Detected	0.83	Not Detected
Tetrachloroethene	0.15	Not Detected	1.0	Not Detected
1,2-Dibromoethane (EDB)	0.15	Not Detected	1.2	Not Detected
Chlorobenzene	0.15	Not Detected	0.70	Not Detected
Ethyl Benzene	0.15	0.21	0.66	0.93
m,p-Xylene	0.15	0.64	0.66	2.8
o-Xylene	0.15	0.25	0.66	1.1
Styrene	0.15	Not Detected	0.65	Not Detected
1,1,2,2-Tetrachloroethane	0.15	Not Detected	1.0	Not Detected
1,3,5-Trimethylbenzene	0.15	Not Detected	0.75	Not Detected
1,2,4-Trimethylbenzene	0.15	0.24	0.75	1.2
1,3-Dichlorobenzene	0.15	Not Detected	0.91	Not Detected
1,4-Dichlorobenzene	0.15	Not Detected	0.91	Not Detected
alpha-Chlorotoluene	0.15	Not Detected	0.79	Not Detected
1,2-Dichlorobenzene	0.15	Not Detected	0.91	Not Detected
1,2,4-Trichlorobenzene	0.76	Not Detected	5.6	Not Detected
Hexachlorobutadiene	0.76	Not Detected	8.1	Not Detected
Propylene	0.76	Not Detected	1.3	Not Detected

@ AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRAMBUP

Lab ID#: 0606679AR1-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7071321	**Date of Collection:**	6/26/06
Dil. Factor:	1.52	**Date of Analysis:**	7/14/06 04:46 AM

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,3-Butadiene	0.76	Not Detected	1.7	Not Detected
Acetone	0.76	5.4	1.8	13
Carbon Disulfide	0.76	Not Detected	2.4	Not Detected
trans-1,2-Dichloroethene	0.76	Not Detected	3.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.76	Not Detected	2.2	Not Detected
Hexane	0.76	Not Detected	2.7	Not Detected
Tetrahydrofuran	0.76	Not Detected	2.2	Not Detected
Cyclohexane	0.76	Not Detected	2.6	Not Detected
1,4-Dioxane	0.76	Not Detected	2.7	Not Detected
Bromodichloromethane	0.76	Not Detected	5.1	Not Detected
4-Methyl-2-pentanone	0.76	Not Detected	3.1	Not Detected
2-Hexanone	0.76	Not Detected	3.1	Not Detected
Dibromochloromethane	0.76	Not Detected	6.5	Not Detected
Bromoform	0.76	Not Detected	7.8	Not Detected
4-Ethyltoluene	0.76	Not Detected	3.7	Not Detected
Ethanol	0.76	9.3	1.4	18
Methyl tert-butyl ether	0.76	Not Detected	2.7	Not Detected
Heptane	0.76	Not Detected	3.1	Not Detected
Naphthalene	0.76	Not Detected	4.0	Not Detected
2-Methylpentane	0.76	Not Detected	2.7	Not Detected
Isopentane	0.76	2.6 J	2.2	7.8 J
2,3-Dimethylpentane	0.76	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.76	Not Detected	3.6	Not Detected
Indene	0.76	Not Detected	3.6	Not Detected
Indan	0.76	Not Detected	3.7	Not Detected
Thiophene	0.76	Not Detected	2.6	Not Detected
2-Propanol	0.76	Not Detected	1.9	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount (ppbv)
Unknown	NA	NA	2.0 J
Propane, 2-methyl-	75-28-5	9.0%	1.9 N J
Butane	106-97-8	72%	2.8 N J
Acetaldehyde	75-07-0	74%	5.9 N J
Pentane	109-66-0	90%	1.8 N J

Container Type: 6 Liter Summa Special (100% Certified)

Surrogates	%Recovery	Method Limits

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: GRAMBUP

Lab ID#: 0606679AR1-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7071321**	**Date of Collection: 6/26/06**	
Dil. Factor:	**1.52**	**Date of Analysis: 7/14/06 04:46 AM**	

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	101	70-130
Toluene-d8	98	70-130

APPENDIX D

Data Usability Summary Report

Data Usability Summary Report

DATE: August 24, 2006

TO: Mr. James Edwards
The RETEC Group, Inc.
1001 West Seneca Street, Suite 204
Ithaca, NY 14850

SUBJECT: Port Jervis Site
June 26-27, 2006 and July 27, 2006 Sampling Events

Data Validation:

Severn Trent Laboratories Sample Delivery Groups:

C6F280229, C6G290164

CASE NARRATIVE

The Retec Group
Port Jervis

STL Lot # C6F280229

Sample Receiving:
Samples were received at STL Pittsburgh on June 28, 2006. The cooler was received within the proper temperature range.

Both amber 1-liter BNA bottles for sample TW4 were received broken. One amber 1-liter BNA bottle for sample TW5 was received broken. Sample TW4 was not logged in for BNA analysis.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

GC/MS Volatiles:
The method blank for batch 6187555 had methylene chloride detected below the reporting limit. The result was flagged with a "J" qualifier. Any sample associated with this blank that had methylene chloride detected had the result flagged with a "B" qualifier.

GC/MS Semivolatiles:
The reporting limits for the aqueous sample were adjusted according to the amount of sample volume extracted.

Metals:
The serial dilution percent difference of sample GRSS1 was outside of the control limits for copper and potassium. All associated results were flagged with an "E" qualifier.

The serial dilution percent difference of sample TW4 was outside of the control limits aluminum. All associated results were flagged with an "E" qualifier.

Sample GRSS2 was over the instrument's linear range for lead and required a dilution.

The method blanks had analytes detected at concentrations between the IDL and the reporting limit. The results were flagged with a "B" qualifier.

For the matrix spike of sample GRSS1, aluminum, iron, and lead recoveries were not calculated due to the concentration of analyte in the sample being >4 times the concentration of spike added.

The matrix spike of sample GRSS1 recovered outside of the control limits for antimony and mercury. All associated results are flagged with an "N" qualifier.

CASE NARRATIVE

The Retec Group
Port Jervis

STL Lot # C6F280229

The matrix spike of sample TW4 recovered outside of the control limits for selenium. All associated results are flagged with an "N" qualifier.

The relative percent difference between sample GRSS1 and the duplicate digestion of this sample was outside of the control limits for lead. All associated results are flagged with an "*" qualifier.

General Chemistry:
The method blank for batch 6188304 had cyanide detected at concentration between the IDL and the reporting limit. The result was flagged with a "B" qualifier. Any sample associated with a method blank that had cyanide detected had the result flagged with a "J" qualifier.

Cooler Receipt Form
STL Pittsburgh

Client: The Retec Group Project: _____ Quote: 5259242

Cooler Rec'd & Opened for Temp. Check on: 6/28/06

Coolers Opened and Unpacked on: 6/28/06 By: PRE (Signature)

STL Pittsburgh Lot Number: C6F280229

		Yes	No
1.	Were custody seals on the outside of the cooler?		✓
	If YES, how many and where? Quantity __ Location		
	Were signatures and date correct?	N/A	
2.	Were custody papers included inside the cooler?	✓	
3.	Were custody papers properly filled out (ink, signed, match labels)?	✓	
4.	Did you sign the custody papers in the appropriate place?	✓	
5.	Was shippers packing slip attached to this form?	✓	
6.	Were packing materials used?	✓	
	If YES, what type? Bubble Wrap		
7.	Were the samples chilled? (Record temperatures on reverse side.)	✓	
8.	Were the samples appropriately preserved?	✓	
9.	Were all bottles sealed in separate plastic bags?		✓
10.	Did all bottles arrive in good condition (unbroken)?		✓
11.	Were all bottle labels complete (sample ID, preservatives, etc.)?	✓	
12.	Did all bottle labels and/or tags agree with custody papers?	✓	
13.	Were correct bottles used for tests indicated?	✓	
14.	Were all VOA vials checked for the presence of air bubbles?	✓	
15.	Was a sufficient amount of sample sent in each bottle?	✓	

16. Samples received by: (FEDEX) UPS CLIENT DROP-OFF OTHER DHL

Explain any discrepancies: _____

Level 2 Review _____

Was contacted on _____ by _____ to resolve discrepancies.

Cooler Receipt Form

STL Pittsburgh

P: Preserved

UP: Unpreserved

Sample ID	TMET PH<2	DMET PH<2	HG PH<2	NUT(1) PH<2	CN PH ≥12	OG TPHC PH<2	PHEN PH<2	SULF PH ≥12	TOC PH<2	TOX PH<2	VOA P/UP	hrdnss PH<2	Cl_2 RES		
TW4	2				12						P				
TW5	2				12						P				
TB(062706)											P				

(1) "NUT" could include sample bottles for ammonia, chemical oxygen demand, nitrate/nitrite, TKN, or total phosphorus

Comments: _____

Cooler Number	Temperature*	Thermometer
1	3.7°	8

*Acceptable Temperature Range: 4°C ± 2°C

Sample	Lot Number**

**Please use an asterisk if bottle lot number was covered by the label

Overview

The Port Jervis MGP sample delivery groups included the following samples.

Sample Submittals
Port Jervis MGP Site

Matrix	Field ID Number	Lab Sample ID	Collection Date
Soil	GRSS1	C6F280229-001	06/26/06
Soil	GRSS2	C6F280229-002	06/26/06
Soil	GRSB4 (7-8)	C6F280229-003	06/27/06
Soil	GRSB4 (9-11)	C6F280229-004	06/27/06
Soil	GRSB3 (4-5)	C6F280229-005	06/27/06
Soil	GRSB3 (6-7)	C6F280229-006	06/27/06
Aqueous	TW4	C6F280229-007	06/27/06
Aqueous	TW5	C6F280229-008	06/27/06
Aqueous (QC)	TB (06/27/06)	C6F280229-009	06/27/06
Sediment	SSSED-UP (062706)[1]	C6F280229-010	06/27/06
Soil	GRSB2 (13-14)	C6G290164-001	07/27/06
Soil	GRSB20 (13-14)[2]	C6G290164-002	07/27/06
Soil	GRSB2 (22-24)	C6G290164-003	07/27/06
Soil	GRSB1 (13-14)	C6G290164-004	07/27/06
Soil	GRSB1 (22-24)	C6G290164-005	07/27/06
Soil (QC)	GRSB1 (22-24)MS	C6G290164-005MS	07/27/06
Soil (QC)	GRSB1 (22-24)MSD	C6G290164-005MSD	07/27/06
Aqueous	TW6	C6G290164-006	07/27/06
Aqueous	TW60[3]	C6G290164-007	07/27/06
Aqueous (QC)	TB (07-27-06)	C6G290164-008	07/27/06
Aqueous	TW3	C6G290164-009	07/27/06
Aqueous (QC)	TW3MS	C6G290164-009MS	07/27/06
Aqueous (QC)	TW3MSD	C6G290164-009MSD	07/27/06

[1]: Sample SSSED-UP (062706) was submitted for SVOC analysis only.

[2]: Sample GRSB20 (13-14) is the field duplicate sample of GRSB2 (13-14).

[3]: Sample TW60 is the field duplicate of TW6.

The samples were analyzed by the following methods as requested on the chain-of-custody records.

- Volatile Organic Compounds (VOCs) by purge and trap GC/MS using CLP SOW OLM4.2
- Semivolatile Organic Compounds (SVOCs) by capillary GC/MS using CLP SOW OLM4.2
- Trace metals by trace ICP and mercury by the cold vapor technique using USEPA CLP 4.0 SOW ILM04.0
- Total cyanide by the USEPA CLP 4.0 SOW ILM04.1
- Percent solids for dry weight calculations (soils only) by USEPA MCAWW Method 160.3 mod.

All analyses were performed by Severn Trent Laboratories, Inc., 301 Alpha Drive, Pittsburgh, PA 15238.

Summary

Organic data quality was evaluated by reviewing the following parameters: holding times, GC/MS tuning and performance, internal standards, initial calibrations, surrogate recoveries, matrix spike/matrix spike duplicate (MS/MSD) results, laboratory control standards (LCS), laboratory and field blanks, compound identification and compound quantitation with respect to *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review, October, 1999*.

Inorganic data quality was evaluated by reviewing the following parameters: holding times, matrix spike results, laboratory duplicates, initial calibrations, continuing calibration verification standard recoveries, laboratory control standards, ICP serial dilutions samples, laboratory and field blanks, and analyte quantitation with respect to *USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, EPA 540-R-04-004, October, 2004.*

A summary of the data quality is provided below.

Data Quality Summary
Port Jervis MGP Site

Parameter	Data Usability
Volatile Organics	Several calibrations showed low instrument response for acetone and methyl acetate, causing several acetone and methyl acetate results to be qualified as estimates, "J" or "UJ," because of low instrument bias. **Five soil sample results for 1, 2-dibromo-3-chloropropane were rejected because of poor instrument sensitivity.** Laboratory contamination was noted for acetone and methylene chloride causing the acetone and methylene chloride results for soil samples GRSB2 (13-14), GRSB20 (13-14), GRSB2 (22-24), GRSB1 (13-14), and GRSB1 (22-24), and the methylene chloride results for soil samples GRSS1, GRSS2, GRSB4 (7-8), GRSB4 (9-11), GRSB3 (4-5), and GRSB3 (6-7), to be qualified "U," as undetected.
Semivolatile Organics	No data points were rejected. Calibration nonconformances were noted for benzaldehyde, caprolactam, atrazine, 4-nitrophenol and 2, 4-dinitrotoluene. However, the nondetect results associated with these calibrations did not require qualifications in response to the high method bias. **Both 1-L amber bottles were received broken at the laboratory for aqueous sample TW4. The sixty-five semivolatiles results were lost for sample TW4.**
Metals	No data points were rejected. Laboratory contamination was noted for barium, beryllium, calcium, cadmium, cobalt, mercury, potassium, thallium, vanadium, and zinc. Several barium, beryllium, calcium, cadmium, cobalt, mercury, potassium, thallium, vanadium, and zinc results were qualified as undetected, "U," as a result of laboratory contamination in one or more of the method preparation, initial calibration, or continuing calibration blanks. Matrix effects were evident in the analysis of the soil and aqueous samples. Matrix effects caused low matrix spike recoveries and the qualification of associated results "J" and "UJ," as estimates, for antimony. Matrix effects caused high matrix spike recoveries and the qualification of associated positive results "J," as estimated concentrations, for mercury, selenium, and zinc. Several soil aluminum, iron, manganese, and zinc results were qualified "J" due to imprecision attributable to matrix effects and/or method imprecision. Physical/chemical interferences were evident for soil and aqueous samples. Physical/chemical interferences caused the ICP serial dilution percent differences to exceed the maximum limit and the qualification of associated results "J" and "UJ," as estimates, for aluminum, copper, and potassium.

Cyanide	No data points were rejected. Laboratory contamination was noted for total cyanide, causing the positive cyanide results for soil samples GRSS1, GRSB3 (4-5), and GRSB (6-7) to be qualified as undetected, "U," as result of laboratory contamination.
Percent Solids	No data points were rejected. The data may be used without qualification.

Each specific issue of concern with respect to data usability is addressed below. A data qualifier glossary is included as Attachment 1 of this report. Qualified sample results are presented in Appendix A of this report. The supporting documentation for data qualifications was included in Appendix B of this report. Specific page references for the supporting documentation were provided in each item header below. The data set was 96.9% complete.

General Sample Custody and Sample Receipt Conditions

Custody was maintained as evidenced by field and laboratory personnel signatures, dates, and times of receipt. All samples were received with acceptable cooler temperatures of 2°C to 6°C as noted on the Sample Receipt Forms. Chain-of-custody records from field to laboratory were complete. Samples were received intact with the following exceptions.

Both 1-L amber bottles were received broken for sample TW4. Semivolatiles analysis could not be performed for TW4. One (of two) 1-L amber bottles were received broken for sample TW5. Sufficient sample volume remained for TW5 to complete the semivolatiles analysis.

The laboratory did not receive the entire number of sample containers listed on the chain-of-custody record for the samples collected on July 27, 2006. There was sufficient sample volume to complete all required analyses.

Volatile Organics

C6F280229

1. Blank Contamination (pp. 46-48): Methylene chloride was detected in the method blank associated with quality control batch 6187555 at an estimated concentration of 1.8 µg/kg. Methylene chloride is a common laboratory solvent. The methylene chloride results for soil samples GRSS1, GRSS2, GRSB4 (7-8), GRSB4 (9-11), GRSB3 (4-5), and GRSB3 (6-7) were less than ten times the blank concentration and were qualified "U," as undetected, because of laboratory contamination.

2. Initial Calibrations and Continuing Calibration Verifications (pp. 1070-1071, 1102-1103, 1131-1132, 1136-1137): The continuing calibration verifications on instrument HP3 on 07/03/06 at 09:29 hours and on instrument HP5 on 07/06/06 at 14:50 had percent differences (%Ds) less than the -25% specification limit for methyl acetate. Soil and aqueous samples GRSS1, GRSS2, GRSB4 (7-8), GRSB4 (9-11), GRSB3 (4-5), GRSB3 (6-7), TW4, and TW5 were affected. The methyl acetate results for these samples were nondetect and were qualified "UJ," as estimates, because of poor instrument sensitivity.

   The continuing calibration verification %Ds on instrument HP3 on 07/03/06 at 09:29 hours were greater than the +25% specification limit for bromoform and trichlorofluoromethane. Aqueous samples TW4 and TW5 were affected. The bromoform and trichlorofluoromethane results for these samples were nondetect. No data qualifications were required in response to the high instrument bias.

C6G290164

1. Blank Contamination (pp. 1114-1115, 1121-1122): Acetone and methylene chloride were detected in the method blank associated with quality control batch 6213037 at estimated concentrations of 7.0 µg/kg and 3.3 µg/kg, respectively. Acetone and methylene chloride are common laboratory solvents. The acetone and methylene chloride results for samples GRSB2 (13-14), GRSB20 (13-14), GRSB2 (22-24), GRSB1 (13-14), and GRSB1 (22-24) were less than ten times the blank concentrations and were qualified "U," as undetected, because of laboratory contamination.

Methylene chloride was detected in the method blank associated with quality control batch 62114421 at an estimated concentration of 1.1 µg/kg. Methylene chloride was not detected in the associated aqueous samples. No data qualifications were required.

2. Initial Calibrations and Continuing Calibration Verifications (pp.1076-1077, 1093-1094, 1098-1099): The 07/31/06 initial calibration average relative response factor and the 08/01/06 (03:13 hrs.) continuing calibration response factor (RRF50) on instrument HP3 were less than the minimum specification limit of 0.05 for 1,3-dibromo-3-chloropropane. Soil samples GRSB2 (13-14), GRSB20 (13-14), GRSB2 (22-24), GRSB1 (13-14), and GRSB1 (22-24) were affected. The 1,3-dibromo-3-chloropropane results for these samples were nondetect and were qualified "R," as rejected, because of poor instrument sensitivity.

Semivolatile Organics

C6F280229

Initial Calibrations and Continuing Calibration Verifications (pp. 2169-2170): The continuing calibration verification of instrument 731 on 07/03/06 at 10:53 hours had %Ds greater than the +25% specification limit for benzaldehyde, caprolactam, and atrazine. Aqueous sample TW5 was affected. The positive caprolactam result for TW5 was qualified "J," as an estimated concentration, because of high instrument bias. The benzaldehyde, and atrazine results reported for TW5 were nondetect. No further validation action was required in response to the high instrument bias.

C6G290164

1. Surrogate Recoveries (pp. 2003-2004): The percent recoveries (%Rs) for the surrogate terphenyl-d14, were less than the lower quality control limit but greater than 10% for aqueous samples TW6, TW60, and TW3. The *USEPA National Functional Guidelines* permit one surrogate per fraction to be nonconforming, so long as the recovery is greater than 10%. No data qualifications were required.

2. Continuing Calibrations (pp. 2134-2135, 2140-2141): The continuing calibration verification %Ds were greater than the upper specification limit of +25% for 4-nitrophenol and 2,4-dinitrotoluene on 08/10/06 at 10:50 hours, and 4-nitrophenol on 08/11/06 at 07:28 hours on instrument 731. All samples were affected. 4-Nitrophenol and 2,4-dinitrotoluene were not detected in any of the samples. No data qualifications were required in response to the high instrument bias.

Trace Metals

C6F280229

1. Blank Contamination (pp. 120, 124-125, 129-132): Several metals were detected in laboratory blanks (initial and continuing calibration and preparation blanks). All samples were affected. The maximum associated blank concentrations were used to apply validation qualifiers. Sample aliquots, dilution factors, and percent solids were taken into consideration. Positive results less than the reporting limit, but greater than the IDL were qualified as undetected, "U," as result of laboratory contamination. See attached data summary forms in Appendix A.

2. Matrix Spike Recoveries (pp. 3056-3060): Matrix spike analyses were conducted on sample GRSS1. The original sample concentrations of aluminum, iron, and lead were four times greater than the spike concentrations. Therefore, matrix effects could not be evaluated for these analytes. Validation action was not required.

   The GRSS1 MS recovery for antimony was less than the lower advisory limit, but greater than 30%. The post-digestion spike recovery was acceptable. The positive and nondetect antimony results for soil samples GRSS1, GRSS2, GRSB4 (7-8), GRSB4 (9-11), GRSB3 (4-5), and GRSB3 (6-7) were qualified "J" and "UJ," respectively, because of low bias attributable to matrix effects.

The GRSS1 MS recovery for mercury was greater than the upper advisory limit of 125%. The positive mercury result for soil sample GRSS2 was qualified "J+," because of high bias attributable to matrix effects.

The TW4 MS recovery for selenium was greater than the upper advisory limit of 125%. The post-digestion spike recovery was also greater than the upper advisory limit of 125%. The positive selenium result for aqueous sample TW5 was qualified "J+," because of high bias attributable to matrix effects.

3. Laboratory Duplicate Precision (p. 3061): Duplicate analyses were conducted on sample GRSS1. The RPD between the original and duplicate result for lead was greater than 20%. The lead results were less than five times the reporting limit. The difference between the original and duplicate results was less than twice the reporting limit. Variation of this magnitude is acceptable. No data qualifications were required.

4. ICP Serial Dilution (pp. 3068-3069): An ICP serial dilution analysis was conducted on soil sample GRSS1. The percent differences were greater than the maximum limit of 10% for copper and potassium. The positive copper results for soil samples GRSS1, GRSS2, GRSB4 (7-8), GRSB4 (9-11), GRSB3 (4-5), and GRSB3 (6-7) and the positive potassium results for soil samples GRSS2 and GRSB4 (7-8) were qualified "J," as estimated concentrations, because of physical/chemical interference.

   An ICP serial dilution analysis was conducted on aqueous sample TW4. The percent difference was greater than the maximum limit of 10% for aluminum. The positive aluminum results for aqueous samples TW4 and TW5 were qualified "J," as estimated concentrations, because of physical/chemical interference.

C6G290164

1. Blank Contamination (pp. 127, 132, 137-140): Several metals were detected in laboratory blanks (initial and continuing calibration and preparation). All samples were affected. The maximum associated blank concentrations were used to apply validation qualifiers. Sample aliquots, dilution factors, and percent solids were taken into consideration. Positive results less than the reporting limit, but greater than the IDL were qualified as undetected, "U," as result of laboratory contamination. See attached data summary forms in Appendix A.

2. Matrix Spike Recoveries (pp. 141-142, 145-146): Matrix spike analysis was conducted on soil sample GRSB1 (22-24). The original sample concentrations of aluminum and iron were four times greater than the spike concentrations. Therefore, matrix effects could not be evaluated for these analytes. Validation action was not required.

   The GRSB1 (22-24) MS recovery for antimony was less than the lower advisory limit, but greater than 30%. The post-digestion spike recovery was acceptable. The antimony results for soil samples GRSB2 (13-14), GRSB20 (13-14), GRSB2 (22-24), GRSB1 (13-14), and GRSB1 (22-24) were nondetect and were qualified "UJ," as estimates, because of low bias attributable to matrix effects.

   The GRSB1 (22-24) MS recovery for chromium was greater than the upper advisory limit of 125%. The post-digestion spike recovery was acceptable. The chromium results for soil samples GRSB2 (13-14), GRSB20 (13-14), GRSB2 (22-24), GRSB1 (13-14), and GRSB1 (22-24) were positive and were qualified "J," as estimated concentrations, because of high bias attributable to matrix effects.

   Matrix spike analysis was conducted on aqueous sample TW3. The original sample concentrations of aluminum and iron were four times greater than the spike concentrations. Therefore, matrix effects could not be evaluated for these analytes. Validation action was not required.

   The TW3 MS recovery for selenium was greater than the upper advisory limit of 125%. The post-digestion spike recovery was acceptable. The positive selenium result for aqueous sample TW6 and TW60 were qualified "J," because of possible high bias attributable to matrix effects.

3. Laboratory Duplicate Precision (p. 147): Duplicate analysis were conducted on soil sample GRSB1 (22-24). Laboratory duplicate imprecision was noted for aluminum, copper, iron, manganese, and zinc. The copper results were less than five times the reporting limit. The difference between the original and duplicate results was less than twice the reporting limit. Variation of this magnitude is acceptable. No data qualifications were required for copper. The aluminum, iron, manganese, and zinc results for soil samples GRSB2 (13-14), GRSB20 (13-14), GRSB2 (22-24), GRSB1 (13-14), and GRSB1 (22-24) were positive and were qualified "J," as estimated concentrations, because of method imprecision and/or matrix effects.

4. ICP Serial Dilution (p. 3073): An ICP serial dilution analysis was conducted on soil sample GRSB1 (22-24). The percent differencs was greater than the maximum limit of 10% for potassium. The positive potassium results for soil samples GRSS1, GRSS2, GRSB4 (7-8), GRSB4 (9-11), GRSB3 (4-5), and GRSB3 (6-7) were qualified "U," as undetected because of laboratory contamination. No further data qualifications were required.

Total Cyanide

C6F280229

Blank Contamination (p. 4004): Cyanide was detected in the soil method blank at an estimated concentration of 0.10 mg/kg. All samples were affected. The positive cyanide results for samples GRSS1, GRSB3 (4-5), and GRSB3 (6-7) were estimated below the reporting limit and were qualified as undetected, "U," because of laboratory contamination. The laboratory used a "J" qualifier to indicate a positive result possibly affected by laboratory blank contamination. The data validator removed the laboratory-assigned "J" qualifier on sample GRSS2 as unnecessary.

C6G290164

No data quality issues were noted. No data qualifications were required.

Percent Solids

No data quality issues were noted. No data qualifications were required.

Field Duplicates

Samples GRSB2 (13-14)/GRSB20 (13-14) and TW6/TW60 were the primary and field duplicate samples collected for this sampling event. No data qualifications are required based on the relative percent difference (RPD) of field duplicate sample data alone. However, the positive results are presented in the table below to evaluate precision and sample homogeneity. An RPD greater than the advisory limit of 30% for aqueous samples, and 50% for soil samples, is an indication of sample heterogeneity with respect to that compound, poor field precision, and/or poor laboratory precision. Field sampling and laboratory precision were acceptable except where noted below.

The copper results between the primary sample GRSB2 (13-14) and field duplicate sample GRSB20 (13-14) was greater than the maximum advisory limit of 50%. The positive copper results for samples GRSB2 (13-14) and GRSB20 (13-14) were qualified "J," as estimated concentrations, because of sample heterogeneity, poor field precision, and/or poor laboratory precision.

Field Duplicate Comparison
Port Jervis MGP

Parameter	TW-6		TW-60		RPD (%)
Acetone	13 J[2]	µg/L	6.5 J[1, 2]	µg/L	67*
Acenaphthene	12	µg/L	12	µg/L	0
Anthracene	1.4 J[1]	µg/L	1.5 J[1]	µg/L	7
Caprolactam	3.3 J[1]	µg/L	5.2 J[1]	µg/L	45*
Fluoranthene	10 U	µg/L	1.1 J[1]	µg/L	NC
Fluorene	4.5 J[1]	µg/L	4.6 J[1]	µg/L	2
Pyrene	1.2 J[1]	µg/L	1.4 J[1]	µg/L	15
Aluminum	51100	µg/L	50000	µg/L	2
Arsenic	12.3	µg/L	12.0	µg/L	2
Barium	600	µg/L	620	µg/L	3
Beryllium	2.6 J[1]	µg/L	2.8 J[1]	µg/L	7
Calcium	17300	µg/L	17400	µg/L	1
Chromium	49.1	µg/L	45.7	µg/L	7
Cobalt	33.2 J[1]	µg/L	32.8 J[1]	µg/L	1
Copper	125	µg/L	122	µg/L	2
Iron	48400	µg/L	46700	µg/L	4
Lead	124	µg/L	120	µg/L	3
Magnesium	9810	µg/L	9650	µg/L	2
Manganese	1000	µg/L	1020	µg/L	2
Mercury	0.65	µg/L	0.69	µg/L	6
Nickel	69.3	µg/L	66.3	µg/L	4
Potassium	9440	µg/L	9570	µg/L	1
Selenium	6.5 J[3]	µg/L	5.8 J[3]	µg/L	11
Silver	0.49 J[1]	µg/L	0.70 J[1]	µg/L	35*
Sodium	30300	µg/L	30800	µg/L	2
Vanadium	49.5 J[1]	µg/L	49.4 J[1]	µg/L	0
Zinc	597	µg/L	642	µg/L	7

Field Duplicate Comparison (Cont'd)
Port Jervis MGP

Parameter	GRSB2 (13-14)		GRSB20 (13-14)		RPD (%)
Acetone	13 J[2]	µg/kg	6.5 J[1, 2]	µg/kg	67*
Caprolactam	74 J[1]	µg/kg	72 J[1]	µg/kg	3
Aluminum	5030 J[4]	mg/kg	5650 J[4]	mg/kg	12
Arsenic	2.2 J[1]	mg/kg	1.6 J[1]	mg/kg	32*
Barium	37.8 J[1]	mg/kg	47.7	mg/kg	23
Chromium	5.2 J[3]	mg/kg	5.4 J[3]	mg/kg	4
Cobalt	4.5 J[1]	mg/kg	4.6 J[1]	mg/kg	2
Copper	**31.5 J[5]**	**mg/kg**	**15.7 J[5]**	**mg/kg**	**67**
Iron	9880 J[4]	mg/kg	10200 J[4]	mg/kg	3
Lead	6.2	mg/kg	5.6	mg/kg	10
Magnesium	1800	mg/kg	2040	mg/kg	13
Manganese	143 J[4]	mg/kg	138 J[4]	mg/kg	4
Nickel	9.3 J[1]	mg/kg	10.4	mg/kg	11
Selenium	0.63 J[1]	mg/kg	0.51 J[1]	mg/kg	21
Sodium	129 J[1]	mg/kg	85.8 J[1]	mg/kg	40*
Vanadium	5.2 J[1]	mg/kg	5.5 J[1]	mg/kg	6
Zinc	63.5 J[4]	mg/kg	53.6 J[4]	mg/kg	17

J[1]: Result was qualified as an estimate due to increased uncertainty near the detection limit.

J[2]: Result was qualified as an estimate due to poor instrument sensitivity.

J[3]: Result was qualified as an estimate because of inaccuracy attributable to matrix effects.

J[4]: Result was qualified as an estimate because of imprecision attributable to matrix effects.

J[5]: Result was qualified as an estimate due to field sampling/laboratory imprecision and/or sample heterogeneity.

*: The difference between the primary and field duplicate results was less than twice the reporting limit for results less than five times the reporting limit. Variation of this magnitude is acceptable.

NC: The RPD could not be calculated.

Notes

Organic sample results less than the reporting limits but greater than the method detection limits (MDLs) were qualified, "J," as estimated concentrations, by the laboratory due to uncertainty near the detection limit.

Positive metals results estimated between the Instrument Detection Limit (IDL) and the reporting limit were qualified "B" by the laboratory. The validator changed the "B" qualifiers to "J" qualifiers, to indicate an estimated concentration, because of the uncertainty near the detection limit.

Attachments

Glossary of data qualifier codes.

Appendix A - Data Summary

This may include:
a) All positive results with qualifier codes, if applicable;
b) All unusable detection limits qualified with an "R," if applicable;
c) All estimated detection limits with qualifier codes, if applicable.

Appendix B - Support Documentation

ATTACHMENT 1
DATA QUALIFICATION GLOSSARY

U	Nondetected result. The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
J+	(Inorganics) The result is an estimated quantity, but the result may be biased high.
J-	(Inorganics) The result is an estimated quantity, but the result may be biased low.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet the quality control criteria. The presence of absence of the analyte cannot be verified.
N	(Organics) The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."
NJ	(Organics) The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.

CASE NARRATIVE

The Retec Group
Port Jervis

STL Lot # C6G290164

Sample Receiving:
Samples were received at STL Pittsburgh on July 29, 2006. The coolers were received within the proper temperature range.

The laboratory did not receive all of the sample containers listed on the chain of custody. Notation regarding which containers were not received was made to the chain of custody.

If project specific QC was not required for samples contained in this report, when batch QC was completed on these samples, anomalous results will be discussed below.

GC/MS Volatiles:
The method blank for batch 6213037 had acetone and methylene chloride detected below the reporting limit. The results were flagged with a "J" qualifier. Any sample associated with this blank that had acetone or methylene chloride detected had the result flagged with a "B" qualifier.

The method blank for batch 6214421 had methylene chloride detected below the reporting limit. The result was flagged with a "J" qualifier. Any sample associated with this blank that had methylene chloride detected had the result flagged with a "B" qualifier.

GC/MS Semivolatiles:
The reporting limits of the aqueous samples were adjusted according to the amount of sample volume extracted.

Samples TW6, TW60, and TW3 had surrogate terphenyl-d_{14} recover below the control limits but above 10% recovery. The NYSDEC ASP CLP protocol permits one acid fraction and one base-neutral fraction surrogate recovery outside control limits without the re-extraction of the sample.

Metals:
The serial dilution percent difference was outside of the control limits for potassium. All associated results were flagged with an "E" qualifier.

The method blanks had analytes detected at concentrations between the IDL and the reporting limit. The results were flagged with a "B" qualifier.

For the matrix spike of sample GRSB1(22-24), aluminum and iron recoveries were not calculated due to the concentration of analyte in the sample being >4 times the concentration of spike added.

CASE NARRATIVE

The Retec Group
Port Jervis

STL Lot # C6G290164

Metals (cont):
The matrix spike of sample GRSB1(22-24) recovered outside of the control limits for antimony and chromium. All associated results are flagged with an "N" qualifier.

For the matrix spike of sample TW3, aluminum and iron recoveries were not calculated due to the concentration of analyte in the sample being >4 times the concentration of spike added.

The matrix spike of sample TW3 recovered outside of the control limits for selenium. All associated results are flagged with an "N" qualifier.

The relative percent difference between sample GRSB1(22-24) and the duplicate digestion of this sample was outside of the control limits for aluminum, copper, iron, manganese, and zinc. All associated results are flagged with an "*" qualifier.

General Chemistry:
There were no problems associated with the analyses.

APPENDIX B
SUPPORT DOCUMENTATION

Cooler Receipt Form
STL Pittsburgh

Client: Retec Project: _____ Quote: 59242

Cooler Rec'd & Opened for Temp. Check on: 07-29-06

Coolers Opened and Unpacked on: 07-29-06 By: _____ (Signature)

STL Pittsburgh Lot Number: C6G290164

		Yes	No
1.	Were custody seals on the outside of the cooler?	✓	
	If YES, how many and where? Quantity 2 Location front		
	Were signatures and date correct?	✓	
2.	Were custody papers included inside the cooler?	✓	
3.	Were custody papers properly filled out (ink, signed, match labels)?	✓	
4.	Did you sign the custody papers in the appropriate place?	✓	
5.	Was shippers packing slip attached to this form?	✓	
6.	Were packing materials used?	✓	
	If YES, what type? Bubble bags / wrap		
7.	Were the samples chilled? (Record temperatures on reverse side.)	✓	
8.	Were the samples appropriately preserved?	✓	
9.	Were all bottles sealed in separate plastic bags?		✓
10.	Did all bottles arrive in good condition (unbroken)?	1*	✓
11.	Were all bottle labels complete (sample ID, preservatives, etc.)?	✓	
12.	Did all bottle labels and/or tags agree with custody papers?		✓
13.	Were correct bottles used for tests indicated?	✓	
14.	Were all VOA vials checked for the presence of air bubbles?	✓	
15.	Was a sufficient amount of sample sent in each bottle?	✓	

16. Samples received by: (FEDEX) UPS CLIENT DROP-OFF OTHER DHL

Explain any discrepancies: _____

Level 2 Review _____

Was contacted on _____ by _____ to resolve discrepancies.

Cooler Receipt Form

STL Pittsburgh

P: Preserved

UP: Unpreserved

Sample ID	TMET PH<2	DMET PH<2	HG PH<2	NUT(1) PH<2	CN PH ≥12	OG TPHC PH<2	PHEN PH<2	SULF PH ≥12	TOC PH<2	TOX PH<2	VOA P/UP	hrdnss PH<2	Cl_2 RES		
60	4				7/4						P				
60	2				2										
TB															
TW3	4				7/2						2				

(1) "NUT" could include sample bottles for ammonia, chemical oxygen demand, nitrate/nitrite, TKN, or total phosphorus

Comments: _____

Cooler Number	Temperature*	Thermometer
1	4.8	8
2	5.8	8

*Acceptable Temperature Range: 4°C ± 2°C

Sample	Lot Number**

**Please use an asterisk if bottle lot number was covered by the label

Work Order No.: _____

Condition Upon Receipt Variance Report
STL Pittsburgh Laboratory

Client: Rates
Project No.: _____
Analysis Requested: _____
Client Sample Numbers Affected: _____

Date: 07-29-06
Initiated by: JRP
RFA/COC: _____

Condition/Variance (Check all that apply):

1. ☐ Not enough sample received for proper analysis. Received approx. _____
2. ☒ Sample received broken/leaking.
3. ☐ Sample received without proper preservative.
   - ☐ Cooler temperature not within 4°C ± 2°C.
     - Record temperature: _____
     - ☐ pH _____
     - ☐ other: _____
4. ☐ Sample received in improper container.
5. ☐ Sample received without proper paperwork.
6. ☒ Paperwork received without sample.
7. ☐ No sample ID on sample container.
8. ☐ Custody tape disturbed/broken/missing.
9. ☐ Sample splits performed by lab.
10. ☐ Volatile sample received with approximately _____ mm headspace.
11. ☐ Sample ID on container does not match on paperwork. Explain:
12. ☐ All coolers on airbill not received with
13. ☐ Other (explain below):

Notes: only received 2 jars for GRSB2(22-24). Did not receive any extra jars for the soil MS/MSD. only received 1 VV for TW6; 2 VV for TW60. Received 1 broken 1 Teflon lumber for TW3.

Corrective Action:

☐ Client's Name: _____ Informed verbally on: _____ By: _____

☒ Client's Name: Jim Edwards Informed in writing on: 7/31/06 By: DWB

☐ Sample(s) processed "as is" _____

☐ Sample(s) on hold until: _____ If released: _____

Sample Control Supervisor Review: _____ Date: _____

Project Management Review: _____ Date: 7/31/06

SIGNED ORIGINAL MUST BE RETAINED IN THE PROJECT FILE

The RETEC Group, Inc.
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID:C6H010000 037
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 07/29/06
Work Order: JADFM1AA Date Extracted:08/01/06
Dilution factor: 1 Date Analyzed: 08/01/06
Moisture %:NA

QC Batch: 6213037

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	Acetone	7.0	J
71-43-2	Benzene	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
78-93-3	2-Butanone	10	U
75-15-0	Carbon disulfide	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
106-93-4	1,2-Dibromoethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

FORM I

The RETEC Group, Inc.
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID:C6H010000 037
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 07/29/06
Work Order: JADFM1AA Date Extracted:08/01/06
Dilution factor: 1 Date Analyzed: 08/01/06
Moisture %:NA

QC Batch: 6213037

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-41-4	Ethylbenzene	10	U
591-78-6	2-Hexanone	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	3.3	J
108-87-2	Methylcyclohexane	10	U
108-10-1	4-Methyl-2-pentanone	10	U
1634-04-4	Methyl tert-butyl ether	10	U
100-42-5	Styrene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
127-18-4	Tetrachloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	10	U
108-88-3	Toluene	10	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Xylenes (total)	10	U

FORM I

The RETEC Group, Inc.
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:C6H020000 421
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / mL Date Received: 07/29/06
Work Order: JAG541AA Date Extracted:08/02/06
Dilution factor: 1 Date Analyzed: 08/02/06
Moisture %:NA

QC Batch: 6214421

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
67-64-1	Acetone	10	U
71-43-2	Benzene	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
78-93-3	2-Butanone	10	U
75-15-0	Carbon disulfide	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
106-93-4	1,2-Dibromoethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

FORM I

The RETEC Group, Inc.
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) WATER Lab Sample ID:C6H020000 421
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / mL Date Received: 07/29/06
Work Order: JAG541AA Date Extracted:08/02/06
Dilution factor: 1 Date Analyzed: 08/02/06
Moisture %:NA
QC Batch: 6214421

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/L	Q
100-41-4	Ethylbenzene	10	U
591-78-6	2-Hexanone	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	1.1	J
108-87-2	Methylcyclohexane	10	U
108-10-1	4-Methyl-2-pentanone	10	U
1634-04-4	Methyl tert-butyl ether	10	U
100-42-5	Styrene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
127-18-4	Tetrachloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	10	U
108-88-3	Toluene	10	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Xylenes (total)	10	U

FORM I

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP3 Calibration Date(s): 08/01/06 08/01/06

Heated Purge: (Y/N) N Calibration Time(s): 0850 1148

GC Column: DB624 ID: 0.53 (mm)

LAB FILE ID: RRF10 =2A30801K RRF20 =1B30801K
RRF50 =1C30801K RRF100=1D30801K RRF200=1E30801K

COMPOUND		RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane		3.355	2.457	2.877	2.936	2.899	2.905	11.0
Bromomethane	*	0.822	0.589	0.688	0.718	0.694	0.702	11.9*
Vinyl Chloride	*	3.005	2.253	2.713	2.750	2.649	2.674	10.2*
Chloroethane		0.763	0.598	0.689	1.262	0.651	0.793	33.9
Methylene Chloride		2.615	1.904	2.129	2.100	2.093	2.168	12.2
Acetone		0.581	0.327	0.284	0.263	0.261	0.343	39.5
Carbon Disulfide		6.690	5.085	6.576	6.733	6.801	6.377	11.4
1,1-Dichloroethene	*	2.282	1.657	2.018	2.006	2.008	1.994	11.1*
1,1-Dichloroethane	*	4.155	3.027	3.657	3.624	3.638	3.620	11.0*
1,2-Dichloroethene (total)		2.440	1.775	2.115	2.106	2.111	2.109	11.2
Chloroform	*	3.636	2.640	3.177	3.174	3.183	3.162	11.2*
1,2-Dichloroethane	*	2.839	2.062	2.417	2.408	2.448	2.435	11.3*
2-Butanone		0.708	0.418	0.495	0.471	0.510	0.520	21.2
1,1,1-Trichloroethane	*	0.460	0.354	0.431	0.435	0.443	0.425	9.7*
Carbon Tetrachloride	*	0.374	0.278	0.365	0.366	0.379	0.352	11.9*
Bromodichloromethane	*	0.371	0.279	0.360	0.372	0.386	0.354	12.0*
1,2-Dichloropropane		0.394	0.288	0.347	0.343	0.351	0.345	11.0
cis-1,3-Dichloropropene	*	0.545	0.413	0.524	0.532	0.550	0.513	11.1*
Trichloroethene	*	0.404	0.297	0.365	0.358	0.363	0.357	10.7*
Dibromochloromethane	*	0.254	0.195	0.265	0.275	0.293	0.256	14.4*
1,1,2-Trichloroethane	*	0.313	0.230	0.280	0.276	0.284	0.277	10.8*
Benzene	*	1.605	1.173	1.406	1.388	1.406	1.396	11.0*
trans-1,3-Dichloropropene	*	0.467	0.353	0.457	0.460	0.482	0.444	11.7*
Bromoform	*	0.144	0.116	0.171	0.181	0.194	0.161	19.5*
4-Methyl-2-pentanone		0.414	0.284	0.359	0.336	0.359	0.350	13.4
2-Hexanone		0.195	0.110	0.144	0.130	0.146	0.145	21.7
Tetrachloroethene	*	0.357	0.262	0.327	0.314	0.322	0.316	10.8*
1,1,2,2-Tetrachloroethane	*	0.467	0.348	0.423	0.409	0.420	0.413	10.3*
Toluene	*	1.903	1.399	1.717	1.673	1.692	1.677	10.8*
Chlorobenzene	*	1.194	0.883	1.067	1.043	1.062	1.050	10.6*
Ethylbenzene	*	0.662	0.496	0.604	0.593	0.609	0.593	10.2*
Styrene	*	1.309	0.978	1.232	1.214	1.217	1.190	10.5*
Xylenes (total)	*	0.800	0.598	0.739	0.723	0.723	0.717	10.3*
Dichlorodifluoromethane		2.115	1.606	1.983	1.932	1.926	1.912	9.8
Trichlorofluoromethane		2.154	2.143	2.401	2.726	2.185	2.322	10.7
1,1,2 Trichloro-1,2,2-Triflu		2.050	1.427	1.777	1.755	1.723	1.746	12.7
1,3-Dichlorobenzene	*	1.009	0.734	0.900	0.870	0.887	0.880	11.2*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

✓ DKB 8/2/06

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP3 Calibration Date(s): 08/01/06 08/01/06

Heated Purge: (Y/N) N Calibration Time(s): 0850 1148

GC Column: DB624 ID: 0.53 (mm)

LAB FILE ID: RRF10 =2A30801K RRF20 =1B30801K
RRF50 =1C30801K RRF100=1D30801K RRF200=1E30801K

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
1,4-Dichlorobenzene *	1.017	0.740	0.898	0.869	0.891	0.883	11.2*
1,2-Dichlorobenzene *	0.960	0.717	0.861	0.819	0.850	0.841	10.4*
1,2-Dibromoethane	0.335	0.250	0.303	0.293	0.301	0.296	10.2
1,2-Dibromo-3-chloropropane	0.058	0.046	0.061	0.058	0.067	0.058	13.4
Methyl tert-butyl ether	6.226	4.554	5.464	5.485	5.566	5.459	10.9
Methyl Acetate	2.225	1.576	1.763	1.692	1.706	1.792	14.0
Cyclohexane	0.808	0.570	0.710	0.688	0.687	0.693	12.2
Methyl Cyclohexane	0.771	0.548	0.686	0.671	0.665	0.668	11.9
Isopropylbenzene	1.873	1.401	1.728	1.681	1.686	1.674	10.2
1,2,4 Trichlorobenzene *	0.695	0.492	0.603	0.516	0.586	0.578	13.8*
trans-1,2-Dichloroethene	2.391	1.726	2.088	2.067	2.066	2.068	11.4
cis-1,2-dichloroethene	2.490	1.824	2.142	2.145	2.157	2.152	10.9
Toluene-d8	1.336	1.277	1.334	1.300	1.292	1.308	2.0
Bromofluorobenzene *	0.508	0.485	0.507	0.500	0.501	0.500	1.8*
1,2-Dichloroethane-d4	1.966	1.816	1.814	1.797	1.767	1.832	4.2

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP3 Calibration Date: 08/02/06 Time: 1141

Lab File ID: CC30802 Init. Calib. Date(s): 08/01/06 08/01/06

EPA Sample No.(VSTD050##): vstd50 Init. Calib. Times: 0850 1148

Heated Purge: (Y/N) N

GC Column: DB624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	2.905	2.849		-1.9	
Bromomethane	0.702	0.715	0.100	1.8	25.0
Vinyl Chloride	2.674	2.611	0.100	-2.4	25.0
Chloroethane	0.793	0.676		-14.8	
Methylene Chloride	2.168	2.104		-3.0	
Acetone	0.343	0.237		-30.9	
Carbon Disulfide	6.377	6.489		1.8	
1,1-Dichloroethene	1.994	1.970	0.100	-1.2	25.0
1,1-Dichloroethane	3.620	3.604	0.200	-0.4	25.0
1,2-Dichloroethene (total)	2.109	2.071		-1.8	
Chloroform	3.162	3.084	0.200	-2.5	25.0
1,2-Dichloroethane	2.435	2.375	0.100	-2.5	25.0
2-Butanone	0.520	0.436		-16.2	
1,1,1-Trichloroethane	0.425	0.424	0.100	-0.2	25.0
Carbon Tetrachloride	0.352	0.359	0.100	2.0	25.0
Bromodichloromethane	0.354	0.354	0.200	0.0	25.0
1,2-Dichloropropane	0.345	0.337		-2.3	
cis-1,3-Dichloropropene	0.513	0.516	0.200	0.6	25.0
Trichloroethene	0.357	0.356	0.300	-0.3	25.0
Dibromochloromethane	0.256	0.264	0.100	3.1	25.0
1,1,2-Trichloroethane	0.277	0.270	0.100	-2.5	25.0
Benzene	1.396	1.373	0.500	-1.6	25.0
trans-1,3-Dichloropropene	0.444	0.448	0.100	0.9	25.0
Bromoform	0.161	0.171	0.100	6.2	25.0
4-Methyl-2-pentanone	0.350	0.323		-7.7	

All other compounds must meet a minimum RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP3 Calibration Date: 08/02/06 Time: 1141

Lab File ID: CC30802 Init. Calib. Date(s): 08/01/06 08/01/06

EPA Sample No.(VSTD050##): vstd50 Init. Calib. Times: 0850 1148

Heated Purge: (Y/N) N

GC Column: DB624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
2-Hexanone	0.145	0.123		-15.2	
Tetrachloroethene	0.316	0.316	0.200	0.0	25.0
1,1,2,2-Tetrachloroethane	0.413	0.400	0.300	-3.1	25.0
Toluene	1.677	1.658	0.400	-1.1	25.0
Chlorobenzene	1.050	1.038	0.500	-1.1	25.0
Ethylbenzene	0.593	0.587	0.100	-1.0	25.0
Styrene	1.190	1.192	0.300	0.2	25.0
Xylenes (total)	0.717	0.713	0.300	-0.6	25.0
Dichlorodifluoromethane	1.912	1.868		-2.3	
Trichlorofluoromethane	2.322	2.731		17.6	
1,1,2 Trichloro-1,2,2-Trifluo	1.746	1.755		0.5	
1,3-Dichlorobenzene	0.880	0.862	0.600	-2.0	25.0
1,4-Dichlorobenzene	0.883	0.862	0.500	-2.4	25.0
1,2-Dichlorobenzene	0.841	0.820	0.400	-2.5	25.0
1,2-Dibromoethane	0.296	0.288		-2.7	
1,2-Dibromo-3-chloropropane	0.058	0.058		0.0	
Methyl tert-butyl ether	5.459	5.359		-1.8	
Methyl Acetate	1.792	1.672		-6.7	
Cyclohexane	0.693	0.689		-0.6	
Methyl Cyclohexane	0.668	0.663		-0.7	
Isopropylbenzene	1.674	1.666		-0.5	
1,2,4 Trichlorobenzene	0.578	0.576	0.200	-0.3	25.0
trans-1,2-Dichloroethene	2.068	2.034		-1.6	
cis-1,2-dichloroethene	2.152	2.108		-2.0	
Toluene-d8	1.308	1.317		0.7	
Bromofluorobenzene	0.500	0.502	0.200	0.4	25.0
1,2-Dichloroethane-d4	1.832	1.830		-0.1	

All other compounds must meet a minimum RRF of 0.010.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP3 Calibration Date(s): 07/31/06 07/31/06

Heated Purge: (Y/N) Y Calibration Time(s): 1141 1400

GC Column: DB624 ID: 0.53 (mm)

LAB FILE ID: RRF10 =2A30731K RRF20 =1B30731K
RRF50 =1C30731K RRF100=1D30731K RRF200=1E30731K

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane	3.569	3.562	3.425	3.472	3.389	3.483	2.3
* Bromomethane	0.890	0.834	0.816	0.825	0.798	0.833	4.2*
* Vinyl Chloride	3.292	3.271	3.074	3.160	3.072	3.174	3.3*
Chloroethane	0.936	1.066	1.339	1.395	1.139	1.175	16.2
Methylene Chloride	3.427	3.038	2.510	2.440	2.354	2.754	16.8
Acetone	0.944	0.786	0.344	0.289	0.259	0.524	60.5
Carbon Disulfide	7.501	7.628	7.495	7.758	7.724	7.621	1.6
* 1,1-Dichloroethene	2.373	2.321	2.234	2.291	2.256	2.295	2.4*
* 1,1-Dichloroethane	4.282	4.268	4.024	4.100	4.065	4.148	2.9*
1,2-Dichloroethene (total)	2.459	2.474	2.333	2.371	2.368	2.401	2.6
* Chloroform	3.721	3.637	3.479	3.520	3.528	3.577	2.8*
* 1,2-Dichloroethane	2.474	2.387	2.266	2.316	2.360	2.361	3.3*
2-Butanone	0.495	0.745	0.395	0.395	0.404	0.487	30.9
* 1,1,1-Trichloroethane	0.460	0.472	0.444	0.462	0.458	0.459	2.2*
* Carbon Tetrachloride	0.368	0.381	0.370	0.392	0.390	0.380	2.9*
* Bromodichloromethane	0.321	0.346	0.339	0.359	0.368	0.347	5.3*
1,2-Dichloropropane	0.344	0.356	0.328	0.340	0.341	0.342	3.0
* cis-1,3-Dichloropropene	0.457	0.484	0.474	0.492	0.505	0.482	3.7*
* Trichloroethene	0.385	0.394	0.361	0.376	0.369	0.377	3.4*
* Dibromochloromethane	0.200	0.227	0.224	0.243	0.249	0.229	8.3*
* 1,1,2-Trichloroethane	0.235	0.241	0.224	0.231	0.231	0.232	2.7*
* Benzene	1.499	1.537	1.408	1.440	1.420	1.461	3.8*
* trans-1,3-Dichloropropene	0.364	0.391	0.379	0.395	0.407	0.387	4.3*
* Bromoform	0.112	0.125	0.131	0.146	0.152	0.133	12.1*
4-Methyl-2-pentanone	0.258	0.273	0.242	0.258	0.249	0.256	4.6
2-Hexanone	0.140	0.169	0.128	0.134	0.130	0.140	11.9
* Tetrachloroethene	0.359	0.357	0.330	0.344	0.336	0.345	3.7*
* 1,1,2,2-Tetrachloroethane	0.345	0.347	0.322	0.337	0.328	0.336	3.2*
* Toluene	1.901	1.900	1.732	1.802	1.768	1.821	4.2*
* Chlorobenzene	1.143	1.161	1.063	1.102	1.080	1.110	3.7*
* Ethylbenzene	0.655	0.672	0.611	0.639	0.626	0.641	3.7*
* Styrene	1.253	1.294	1.219	1.271	1.226	1.253	2.5*
* Xylenes (total)	0.796	0.812	0.749	0.785	0.754	0.779	3.5*
Dichlorodifluoromethane	2.499	2.314	2.252	2.343	2.267	2.335	4.2
Trichlorofluoromethane	3.240	3.191	3.058	3.146	3.168	3.161	2.1
1,1,2-Trichloro-1,2,2-Triflu	1.956	2.073	2.005	2.022	1.997	2.011	2.1
* 1,3-Dichlorobenzene	0.960	0.971	0.906	0.934	0.898	0.934	3.4*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP3 Calibration Date(s): 07/31/06 07/31/06

Heated Purge: (Y/N) Y Calibration Time(s): 1141 1400

GC Column: DB624 ID: 0.53 (mm)

LAB FILE ID: RRF10 =2A30731K RRF20 =1B30731K
RRF50 =1C30731K RRF100=1D30731K RRF200=1E30731K

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
1,4-Dichlorobenzene *	0.960	0.969	0.887	0.915	0.886	0.923	4.3*
1,2-Dichlorobenzene *	0.876	0.888	0.814	0.848	0.819	0.849	3.9*
1,2-Dibromoethane	0.219	0.220	0.208	0.214	0.214	~~0.215~~	2.3
1,2-Dibromo-3-chloropropane	0.045	0.044	0.044	0.048	0.047	0.046	4.2
Methyl tert-butyl ether	5.156	5.006	4.759	4.869	4.937	~~4.945~~	3.0
Methyl Acetate	1.629	1.373	1.230	1.244	1.222	1.340	12.9
Cyclohexane	0.768	0.769	0.710	0.734	0.718	0.740	3.7
Methyl Cyclohexane	0.744	0.731	0.689	0.720	0.697	0.716	3.2
Isopropylbenzene	1.917	1.935	1.775	1.864	1.790	1.856	3.9
1,2,4-Trichlorobenzene *	0.560	0.602	0.563	0.569	0.538	0.566	4.1*
trans-1,2-Dichloroethene	2.447	2.468	2.312	2.363	2.343	2.387	2.8
cis-1,2-dichloroethene	2.471	2.480	2.354	2.378	2.393	2.415	2.4
Toluene-d8	1.344	1.400	1.340	1.362	1.346	1.358	1.8
Bromofluorobenzene *	0.508	0.523	0.504	0.502	0.495	0.506	2.0*
1,2-Dichloroethane-d4	1.769	1.755	1.698	1.691	1.697	1.722	2.2

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP3 Calibration Date: 08/01/06 Time: 0313

Lab File ID: CC30801 Init. Calib. Date(s): 07/31/06 07/31/06

EPA Sample No.(VSTD050##): vstd50 Init. Calib. Times: 1141 1400

Heated Purge: (Y/N) Y

GC Column: DB624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	3.483	3.436		-1.3	
Bromomethane	0.833	0.882	0.100	5.9	25.0
Vinyl Chloride	3.174	3.191	0.100	0.5	25.0
Chloroethane	1.175	1.313		11.7	
Methylene Chloride	2.754	2.737		-0.6	
Acetone	0.524	0.460		-12.2	
Carbon Disulfide	7.621	7.864		3.2	
1,1-Dichloroethene	2.295	2.338	0.100	1.9	25.0
1,1-Dichloroethane	4.148	4.203	0.200	1.3	25.0
1,2-Dichloroethene (total)	2.401	2.410		0.4	
Chloroform	3.577	3.559	0.200	-0.5	25.0
1,2-Dichloroethane	2.361	2.316	0.100	-1.9	25.0
2-Butanone	0.487	0.396		-18.7	
1,1,1-Trichloroethane	0.459	0.455	0.100	-0.9	25.0
Carbon Tetrachloride	0.380	0.384	0.100	1.0	25.0
Bromodichloromethane	0.347	0.339	0.200	-2.3	25.0
1,2-Dichloropropane	0.342	0.330		-3.5	
cis-1,3-Dichloropropene	0.482	0.473	0.200	-1.9	25.0
Trichloroethene	0.377	0.370	0.300	-1.8	25.0
Dibromochloromethane	0.229	0.224	0.100	-2.2	25.0
1,1,2-Trichloroethane	0.232	0.220	0.100	-5.2	25.0
Benzene	1.461	1.422	0.500	-2.7	25.0
trans-1,3-Dichloropropene	0.387	0.375	0.100	-3.1	25.0
Bromoform	0.133	0.133	0.100	0.0	25.0
4-Methyl-2-pentanone	0.256	0.240		-6.2	

All other compounds must meet a minimum RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP3 Calibration Date: 08/01/06 Time: 0313

Lab File ID: CC30801 Init. Calib. Date(s): 07/31/06 07/31/06

EPA Sample No.(VSTD050##): vstd50 Init. Calib. Times: 1141 1400

Heated Purge: (Y/N) Y

GC Column: DB624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
2-Hexanone	0.140	0.120		-14.3	
Tetrachloroethene	0.345	0.347	0.200	0.6	25.0
1,1,2,2-Tetrachloroethane	0.336	0.321	0.300	-4.5	25.0
Toluene	1.821	1.806	0.400	-0.8	25.0
Chlorobenzene	1.110	1.093	0.500	-1.5	25.0
Ethylbenzene	0.641	0.640	0.100	-0.2	25.0
Styrene	1.253	1.249	0.300	-0.3	25.0
Xylenes (total)	0.779	0.780	0.300	0.1	25.0
Dichlorodifluoromethane	2.335	2.234		-4.3	
Trichlorofluoromethane	3.161	3.330		5.3	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.011	2.102		4.5	
1,3-Dichlorobenzene	0.934	0.928	0.600	-0.6	25.0
1,4-Dichlorobenzene	0.923	0.910	0.500	-1.4	25.0
1,2-Dichlorobenzene	0.849	0.832	0.400	-2.0	25.0
1,2-Dibromoethane	0.215	0.200		-7.0	
1,2-Dibromo-3-chloropropane	0.046	0.043		-6.5	
Methyl tert-butyl ether	4.945	4.770		-3.5	
Methyl Acetate	1.340	1.252		-6.6	
Cyclohexane	0.740	0.734		-0.8	
Methyl Cyclohexane	0.716	0.715		-0.1	
Isopropylbenzene	1.856	1.872		0.9	
1,2,4-Trichlorobenzene	0.566	0.569	0.200	0.5	25.0
trans-1,2-Dichloroethene	2.387	2.394		0.3	
cis-1,2-dichloroethene	2.415	2.426		0.4	
Toluene-d8	1.358	1.376		1.3	
Bromofluorobenzene	0.506	0.503	0.200	-0.6	25.0
1,2-Dichloroethane-d4	1.722	1.713		-0.5	

All other compounds must meet a minimum RRF of 0.010.

OCLP OLM04.2 SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: The RETEC Group, Inc.

Lab Code: STLPIT SDG No:

Lot #: C6G290164

Extraction: XXA4F0O94

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	SRG07	SRG08	TOT OUT
01	GRSB2(13-14)	53	60	55	53	47	35	50	48	00
02	GRSB20(13-14)	49	54	48	48	45	33	46	41	00
03	GRSB2(22-24)	59	66	58	58	57	50	57	51	00
04	GRSB1(13-14)	50	64	59	49	41	43	46	47	00
05	GRSB1(22-24)	45	51	49	46	42	42	44	39	00
06	METHOD BLK. JAP1M1AA	48	52	51	49	47	50	47	44	00
07	LCS JAP1M1AC	53	58	57	56	54	58	53	49	00
08	GRSB1(22-24) D	49	55	50	50	49	52	49	43	00
09	GRSB1(22-24) S	46	52	48	49	48	52	47	41	00

SURROGATES		QC LIMITS
SRG01	= Nitrobenzene-d5	(23-120)
SRG02	= 2-Fluorobiphenyl	(30-115)
SRG03	= Terphenyl-d14	(18-137)
SRG04	= Phenol-d5	(24-113)
SRG05	= 2-Fluorophenol	(25-121)
SRG06	= 2,4,6-Tribromophenol	(19-122)
SRG07	= 2-Chlorophenol-d4	(20-130)
SRG08	= 1,2-Dichlorobenzene-d4	(20-130)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

OCLP OLM04.2 SURROGATE RECOVERY

Lab Name: Severn Trent Laboratories, Inc. Client: The RETEC Group, Inc.

Lab Code: STLPIT SDG No:

Lot #: C6G290164

Extraction: XXI510094

	CLIENT ID.	SRG01	SRG02	SRG03	SRG04	SRG05	SRG06	SRG07	SRG08	TOT OUT
01	TW6	59	56	25 *	58	58	73	59	49	01
02	TW60	51	52	23 *	49	49	71	50	42	01
03	TW3	53	50	30 *	51	49	62	51	44	01
04	METHOD BLK. JAD1V1AA	49	51	53	51	49	47	50	46	00
05	LCS JAD1V1AC	50	52	53	51	48	50	50	46	00
06	TW3 D	60	58	40	58	54	66	59	50	00
07	TW3 S	62	61	41	60	57	68	61	51	00

SURROGATES		QC LIMITS
SRG01	= Nitrobenzene-d5	(35-114)
SRG02	= 2-Fluorobiphenyl	(43-116)
SRG03	= Terphenyl-d14	(33-141)
SRG04	= Phenol-d5	(10-110)
SRG05	= 2-Fluorophenol	(21-110)
SRG06	= 2,4,6-Tribromophenol	(10-123)
SRG07	= 2-Chlorophenol-d4	(33-110)
SRG08	= 1,2-Dichlorobenzene-d4	(16-110)

\# Column to be used to flag recovery values
* Values outside of required QC Limits
D System monitoring Compound diluted out

FORM II

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: C6G290164

Instrument ID: 731 Calibration Date: 08/11/06 Time: 0728

Lab File ID: V08110CC Init. Calib. Date(s): 08/02/06 08/02/06

EPA Sample No.(SSTD050##): SSTD050 Init. Calib. Times: 0421 0639

GC Column: ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.419	1.565	0.800	10.3	25.0
Bis(2-chloroethyl)ether	1.094	1.054	0.700	-3.6	25.0
2-Chlorophenol	1.235	1.277	0.800	3.4	25.0
2-Methylphenol	1.172	1.228	0.700	4.8	25.0
2,2'-oxybis(1-Chloropropane)	1.457	1.341		-8.0	
N-Nitroso-di-n-propylamine	0.701	0.836	0.500	19.2	25.0
4-Methylphenol	1.016	1.192	0.600	17.3	25.0
Hexachloroethane	0.633	0.634	0.300	0.2	25.0
Nitrobenzene	0.318	0.349	0.200	9.7	25.0
Isophorone	0.576	0.594	0.400	3.1	25.0
2-Nitrophenol	0.184	0.180	0.100	-2.2	25.0
2,4-Dimethylphenol	0.300	0.307	0.200	2.3	25.0
Bis(2-chloroethoxy)methane	0.354	0.339	0.300	-4.2	25.0
2,4-Dichlorophenol	0.303	0.305	0.200	0.7	25.0
Naphthalene	0.953	0.975	0.700	2.3	25.0
4-Chloroaniline	0.362	0.389		7.4	
Hexachlorobutadiene	0.193	0.214		10.9	
4-Chloro-3-Methylphenol	0.301	0.300	0.200	-0.3	25.0
2-Methylnaphthalene	0.706	0.680	0.400	-3.7	25.0
Hexachlorocyclopentadiene	0.341	0.322		-5.6	
2,4,6-Trichlorophenol	0.343	0.348	0.200	1.4	25.0
2,4,5-Trichlorophenol	0.366	0.382	0.200	4.4	25.0
2-Chloronaphthalene	0.973	1.010	0.800	3.8	25.0
2-Nitroaniline	0.267	0.285		6.7	
Dimethylphthalate	1.090	1.178		8.1	
Acenaphthylene	1.622	1.594	0.900	-1.7	25.0
2,6-Dinitrotoluene	0.253	0.266	0.200	5.1	25.0
3-Nitroaniline	0.296	0.279		-5.7	
Acenaphthene	1.010	1.001	0.900	-0.9	25.0
2,4-Dinitrophenol	0.139	0.154		10.8	
4-Nitrophenol	0.150	0.198		32.0	
Dibenzofuran	1.469	1.529	0.800	4.1	25.0
2,4-Dinitrotoluene	0.315	0.375	0.200	19.0	25.0
Diethylphthalate	1.075	1.208		12.4	
4-Chlorophenyl-phenylether	0.533	0.616	0.400	15.6	25.0
Fluorene	1.136	1.253	0.900	10.3	25.0

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: C6G290164

Instrument ID: 731 Calibration Date: 08/11/06 Time: 0728

Lab File ID: V08110CC Init. Calib. Date(s): 08/02/06 08/02/06

EPA Sample No.(SSTD050##): SSTD050 Init. Calib. Times: 0421 0639

GC Column: ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
4-Nitroaniline	0.296	0.289		-2.4	
4,6-Dinitro-2-methylphenol	0.119	0.122		2.5	
N-Nitrosodiphenylamine(1)	0.559	0.510		-8.8	
4-Bromophenyl-phenylether	0.220	0.217	0.100	-1.4	25.0
Hexachlorobenzene	0.244	0.245	0.100	0.4	25.0
Pentachlorophenol	0.142	0.141	0.050	-0.7	25.0
Phenanthrene	1.179	1.082	0.700	-8.2	25.0
Anthracene	1.136	1.090	0.700	-4.0	25.0
Carbazole	1.062	1.026		-3.4	
Di-n-Butylphthalate	1.235	1.262		2.2	
Fluoranthene	1.319	1.324	0.600	0.4	25.0
Pyrene	1.245	1.170	0.600	-6.0	25.0
Butylbenzylphthalate	0.553	0.510		-7.8	
3,3'-Dichlorobenzidine	0.483	0.527		9.1	
Benzo(a)Anthracene	1.181	1.114	0.800	-5.7	25.0
Chrysene	1.090	1.039	0.700	-4.7	25.0
bis(2-ethylhexyl)Phthalate	0.729	0.698		-4.2	
Di-n-octylphthalate	1.254	1.252		-0.2	
Benzo(b)fluoranthene	1.146	1.126	0.700	-1.7	25.0
Benzo(k)fluoranthene	1.134	1.098	0.700	-3.2	25.0
Benzo(a)pyrene	1.065	0.999	0.700	-6.2	25.0
Indeno(1,2,3-cd)pyrene	1.303	1.159	0.500	-11.0	25.0
Dibenz(a,h)anthracene	1.081	0.976	0.400	-9.7	25.0
Benzo(g,h,i)perylene	1.126	0.992	0.500	-11.9	25.0
Benzaldehyde	0.761	0.842		10.6	
Acetophenone	1.679	1.728		2.9	
Caprolactam	0.116	0.092		-20.7	
1,1'-Biphenyl	1.353	1.240		-8.4	
Atrazine	0.180	0.206		14.4	
Nitrobenzene-d5	0.322	0.346	0.200	7.4	25.0
2-Fluorobiphenyl	1.084	1.126	0.700	3.9	25.0
Terphenyl-d14	0.838	0.853	0.500	1.8	25.0
Phenol-d5	1.338	1.395	0.800	4.3	25.0
2-Fluorophenol	0.945	1.062	0.600	12.4	25.0
2,4,6-Tribromophenol	0.110	0.112		1.8	
2-Chlorophenol-d4	1.281	1.313	0.800	2.5	25.0
1,2-Dichlorobenzene-d4	0.851	0.923	0.400	8.5	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: C6G290164

Instrument ID: 731 Calibration Date: 08/10/06 Time: 1050

Lab File ID: V08100CC Init. Calib. Date(s): 08/02/06 08/02/06

EPA Sample No.(SSTD050##): SSTD050 Init. Calib. Times: 0421 0639

GC Column: ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D	
Phenol	1.419	1.580	0.800	11.3	25.0	
Bis(2-chloroethyl)ether	1.094	1.076	0.700	-1.6	25.0	
2-Chlorophenol	1.235	1.277	0.800	3.4	25.0	
2-Methylphenol	1.172	1.181	0.700	0.8	25.0	
2,2'-oxybis(1-Chloropropane)	1.457	1.389		-4.7		
N-Nitroso-di-n-propylamine	0.701	0.844	0.500	20.4	25.0	
4-Methylphenol	1.016	1.246	0.600	22.6	25.0	
Hexachloroethane	0.633	0.628	0.300	-0.8	25.0	
Nitrobenzene	0.318	0.353	0.200	11.0	25.0	
Isophorone	0.576	0.611	0.400	6.1	25.0	
2-Nitrophenol	0.184	0.186	0.100	1.1	25.0	
2,4-Dimethylphenol	0.300	0.312	0.200	4.0	25.0	
Bis(2-chloroethoxy)methane	0.354	0.351	0.300	-0.8	25.0	
2,4-Dichlorophenol	0.303	0.317	0.200	4.6	25.0	
Naphthalene	0.953	0.983	0.700	3.1	25.0	
4-Chloroaniline	0.362	0.407		12.4		
Hexachlorobutadiene	0.193	0.210		8.8		
4-Chloro-3-Methylphenol	0.301	0.311	0.200	3.3	25.0	
2-Methylnaphthalene	0.706	0.698	0.400	-1.1	25.0	
Hexachlorocyclopentadiene	0.341	0.343		0.6		
2,4,6-Trichlorophenol	0.343	0.357	0.200	4.1	25.0	
2,4,5-Trichlorophenol	0.366	0.399	0.200	9.0	25.0	
2-Chloronaphthalene	0.973	1.027	0.800	5.5	25.0	
2-Nitroaniline	0.267	0.295		10.5		
Dimethylphthalate	1.090	1.214		11.4		
Acenaphthylene	1.622	1.620	0.900	-0.1	25.0	
2,6-Dinitrotoluene	0.253	0.278	0.200	9.9	25.0	
3-Nitroaniline	0.296	0.297		0.3		
Acenaphthene	1.010	1.029	0.900	1.9	25.0	
2,4-Dinitrophenol	0.139	0.170		22.3		
4-Nitrophenol	0.150	0.209		39.3		
Dibenzofuran	1.469	1.579	0.800	7.5	25.0	
2,4-Dinitrotoluene	0.315	0.394	0.200	25.1	25.0	<-
Diethylphthalate	1.075	1.246		15.9		
4-Chlorophenyl-phenylether	0.533	0.633	0.400	18.8	25.0	
Fluorene	1.136	1.296	0.900	14.1	25.0	

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: C6G290164

Instrument ID: 731 Calibration Date: 08/10/06 Time: 1050

Lab File ID: V08100CC Init. Calib. Date(s): 08/02/06 08/02/06

EPA Sample No.(SSTD050##): SSTD050 Init. Calib. Times: 0421 0639

GC Column: ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
4-Nitroaniline	0.296	0.309		4.4	
4,6-Dinitro-2-methylphenol	0.119	0.132		10.9	
N-Nitrosodiphenylamine(1)	0.559	0.522		-6.6	
4-Bromophenyl-phenylether	0.220	0.223	0.100	1.4	25.0
Hexachlorobenzene	0.244	0.252	0.100	3.3	25.0
Pentachlorophenol	0.142	0.152	0.050	7.0	25.0
Phenanthrene	1.179	1.104	0.700	-6.4	25.0
Anthracene	1.136	1.104	0.700	-2.8	25.0
Carbazole	1.062	1.056		-0.6	
Di-n-Butylphthalate	1.235	1.283		3.9	
Fluoranthene	1.319	1.350	0.600	2.4	25.0
Pyrene	1.245	1.285	0.600	3.2	25.0
Butylbenzylphthalate	0.553	0.535		-3.2	
3,3'-Dichlorobenzidine	0.483	0.544		12.6	
Benzo(a)Anthracene	1.181	1.141	0.800	-3.4	25.0
Chrysene	1.090	1.042	0.700	-4.4	25.0
bis(2-ethylhexyl) Phthalate	0.729	0.725		-0.5	
Di-n-octylphthalate	1.254	1.232		-1.8	
Benzo(b)fluoranthene	1.146	1.180	0.700	3.0	25.0
Benzo(k)fluoranthene	1.134	1.062	0.700	-6.3	25.0
Benzo(a)pyrene	1.065	1.023	0.700	-3.9	25.0
Indeno(1,2,3-cd)pyrene	1.303	1.230	0.500	-5.6	25.0
Dibenz(a,h)anthracene	1.081	1.036	0.400	-4.2	25.0
Benzo(g,h,i)perylene	1.126	1.045	0.500	-7.2	25.0
Benzaldehyde	0.761	0.778		2.2	
Acetophenone	1.679	1.908		13.6	
Caprolactam	0.116	0.106		-8.6	
1,1'-Biphenyl	1.353	1.349		-0.3	
Atrazine	0.180	0.224		24.4	
Nitrobenzene-d5	0.322	0.349	0.200	8.4	25.0
2-Fluorobiphenyl	1.084	1.143	0.700	5.4	25.0
Terphenyl-d14	0.838	0.919	0.500	9.7	25.0
Phenol-d5	1.338	1.425	0.800	6.5	25.0
2-Fluorophenol	0.945	1.058	0.600	12.0	25.0
2,4,6-Tribromophenol	0.110	0.119		8.2	
2-Chlorophenol-d4	1.281	1.336	0.800	4.3	25.0
1,2-Dichlorobenzene-d4	0.851	0.948	0.400	11.4	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

STL-Pittsburgh

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: ICPST **Units:** ug/L

Chart Number: N60811B.ARC

Standard Source: **Standard ID:**

Element	WL/ Mass	Report Limit	CCB1 8/11/2006 2:21 PM Found	Q	CCB2 8/11/2006 3:28 PM Found	Q	CCB3 8/11/2006 4:34 PM Found	Q	CCB5 8/11/2006 5:41 PM Found	Q	CCB6 8/11/2006 6:47 PM Found	Q
Aluminum	308.215	200	6.9	U	6.9	U	6.9	U	-7.2	B	-10.0	B
Antimony	206.838	60	2.3	U	2.3	U	2.3	U	2.3	U	2.3	U
Arsenic	189.042	10	1.9	U	1.9	U	1.9	U	2.1	B	1.9	U
Barium	493.409	200	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
Beryllium	313.042	5	0.4	B	0.2	U	-0.2	B	0.2	U	0.2	U
Cadmium	226.502	5	0.3	U	0.3	U	0.3	U	0.4	B	0.3	U
Calcium	317.933	5000	7.0	B	4.1	U	4.1	U	-8.2	B	162.0	B
Chromium	267.716	10	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Cobalt	228.616	50	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Copper	324.753	25	0.9	U	0.9	U	0.9	U	0.9	U	0.9	U
Iron	271.441	100	17.6	B	17.5	B	13.4	U	26.1	B	13.4	U
Lead	220.353	3	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U
Magnesium	279.078	5000	8.7	B	5.2	U	7.0	B	5.2	U	6.6	B
Manganese	257.61	15	0.2	U	0.2	U	0.2	U	0.2	U	0.2	B
Nickel	231.604	40	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Potassium	766.491	5000	119.0	B	122.0	B	119.0	B	118.0	B	120.0	B
Selenium	220.353	5	2.0	U	2.0	U	2.0	U	2.0	U	2.0	U
Silver	328.068	10	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Sodium	330.232	5000	99.8	U	99.8	U	99.8	U	99.8	U	99.8	U
Thallium	190.864	10	2.8	U	3.3	B	2.8	U	2.8	U	2.8	U
Vanadium	292.402	50	0.6	U	0.6	U	0.6	U	0.6	U	0.6	U
Zinc	206.2	20	1.6	B	2.2	B	1.2	B				

5.04.5

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: N60811B.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB1 8/11/2006 1:54 PM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Aluminum	308.215	200	6.9	U								
Antimony	206.838	60	2.3	U								
Arsenic	189.042	10	1.9	U								
Barium	493.409	200	0.1	U								
Beryllium	313.042	5	0.2	U								
Cadmium	226.502	5	0.3	U								
Calcium	317.933	5000	4.1	U								
Chromium	267.716	10	0.6	U								
Cobalt	228.616	50	0.6	U								
Copper	324.753	25	0.9	U								
Iron	271.441	100	**14.2**	**B**								
Lead	220.353	3	**-1.7**	**B**								
Magnesium	279.078	5000	**5.6**	**B**								
Manganese	257.61	15	0.2	U								
Nickel	231.604	40	0.7	U								
Potassium	766.491	5000	**124.0**	**B**								
Selenium	220.353	5	2.0	U								
Silver	328.068	10	0.5	U								
Sodium	330.232	5000	99.8	U								
Thallium	190.864	10	2.8	U								
Vanadium	292.402	50	0.6	U								
Zinc	206.2	20	**2.4**	**B**								

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Preparation Blank Results

Lab Sample ID: JAG0GB

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/2/2006 **Prep Batch:** 6214386

Weight: 1.00 **Volume:** 200 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.215**	**1.4**	**40.0**	**3.3**	**B**	**1**	**ICPST**	**8/11/2006**	**14:27**
Antimony	206.838	0.46	12.0	0.46	U	1	ICPST	8/11/2006	14:27
Arsenic	189.042	0.38	2.0	0.38	U	1	ICPST	8/11/2006	14:27
Barium	493.409	0.028	40.0	0.028	U	1	ICPST	8/11/2006	14:27
Beryllium	313.042	0.034	1.0	-0.038	B	1	ICPST	8/11/2006	14:27
Cadmium	226.502	0.062	1.0	0.062	U	1	ICPST	8/11/2006	14:27
Calcium	**317.933**	**0.82**	**1000**	**11.6**	**B**	**1**	**ICPST**	**8/11/2006**	**14:27**
Chromium	267.716	0.12	2.0	0.12	U	1	ICPST	8/11/2006	14:27
Cobalt	228.616	0.13	10.0	0.13	U	1	ICPST	8/11/2006	14:27
Copper	324.753	0.18	5.0	0.18	U	1	ICPST	8/11/2006	14:27
Iron	**271.441**	**2.7**	**20.0**	**2.8**	**B**	**1**	**ICPST**	**8/11/2006**	**14:27**
Lead	220.353	0.32	0.60	0.32	U	1	ICPST	8/11/2006	14:27
Magnesium	**279.078**	**1.0**	**1000**	**1.6**	**B**	**1**	**ICPST**	**8/11/2006**	**14:27**
Manganese	257.61	0.030	3.0	0.030	U	1	ICPST	8/11/2006	14:27
Nickel	231.604	0.14	8.0	0.14	U	1	ICPST	8/11/2006	14:27
Potassium	**766.491**	**2.1**	**1000**	**25.8**	**B**	**1**	**ICPST**	**8/11/2006**	**14:27**
Selenium	220.353	0.40	1.0	0.40	U	1	ICPST	8/11/2006	14:27
Silver	328.068	0.090	2.0	0.090	U	1	ICPST	8/11/2006	14:27
Sodium	330.232	20.0	1000	20.0	U	1	ICPST	8/11/2006	14:27
Thallium	190.864	0.56	2.0	0.56	U	1	ICPST	8/11/2006	14:27
Vanadium	292.402	0.11	10.0	0.11	U	1	ICPST	8/11/2006	14:27
Zinc	**206.2**	**0.20**	**4.0**	**2.1**	**B**	**1**	**ICPST**	**8/11/2006**	**14:27**

Comments: Lot #: C6G290164

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Preparation Blank Results

Lab Sample ID: JAG03B

Matrix: Water **Units:** ug/L **Prep Date:** 8/2/2006 **Prep Batch:** 6214392

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	308.215	6.9	200	6.9	U	1	ICPST	8/11/2006	15:39
Antimony	206.838	2.3	60.0	2.3	U	1	ICPST	8/11/2006	15:39
Arsenic	189.042	1.9	10.0	1.9	U	1	ICPST	8/11/2006	15:39
Barium	**493.409**	**0.14**	**200**	**0.20**	**B**	**1**	**ICPST**	**8/11/2006**	**15:39**
Beryllium	313.042	0.17	5.0	0.17	U	1	ICPST	8/11/2006	15:39
Cadmium	226.502	0.31	5.0	0.31	U	1	ICPST	8/11/2006	15:39
Calcium	317.933	4.1	5000	4.1	U	1	ICPST	8/11/2006	15:39
Chromium	267.716	0.60	10.0	0.60	U	1	ICPST	8/11/2006	15:39
Cobalt	228.616	0.64	50.0	0.64	U	1	ICPST	8/11/2006	15:39
Copper	324.753	0.91	25.0	0.91	U	1	ICPST	8/11/2006	15:39
Iron	**271.441**	**13.4**	**100**	**16.7**	**B**	**1**	**ICPST**	**8/11/2006**	**15:39**
Lead	220.353	1.6	3.0	1.6	U	1	ICPST	8/11/2006	15:39
Magnesium	279.078	5.2	5000	5.2	U	1	ICPST	8/11/2006	15:39
Manganese	257.61	0.15	15.0	0.15	U	1	ICPST	8/11/2006	15:39
Nickel	231.604	0.71	40.0	0.71	U	1	ICPST	8/11/2006	15:39
Potassium	**766.491**	**10.5**	**5000**	**110**	**B**	**1**	**ICPST**	**8/11/2006**	**15:39**
Selenium	220.353	2.0	5.0	2.0	U	1	ICPST	8/11/2006	15:39
Silver	328.068	0.45	10.0	0.45	U	1	ICPST	8/11/2006	15:39
Sodium	330.232	99.8	5000	99.8	U	1	ICPST	8/11/2006	15:39
Thallium	190.864	2.8	10.0	2.8	U	1	ICPST	8/11/2006	15:39
Vanadium	292.402	0.56	50.0	0.56	U	1	ICPST	8/11/2006	15:39
Zinc	**206.2**	**1.0**	**20.0**	**3.3**	**B**	**1**	**ICPST**	**8/11/2006**	**15:39**

Comments: Lot #: C6G290164

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Preparation Blank Results

Lab Sample ID: JA9TGB

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/14/2006 **Prep Batch:** 6226062

Weight: .2 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.021	0.10	0.026	B	1	CVAA	8/14/2006	10:03

Comments: Lot #: C6G290164

5.04.5

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Preparation Blank Results

Lab Sample ID: JCA8KB

Matrix: Water **Units:** ug/L **Prep Date:** 8/15/2006 **Prep Batch:** 6227050

Weight: NA **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.042	0.20	0.042	U	1	CVAA	8/15/2006	8:59

Comments: Lot #: C6G290164

5.04.5

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Matrix Spike Sample Results

Spike Sample ID: JAAF1S

Original Sample ID: JAAF1 **Client ID:** GRSB1(22-24) DUPS

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/2/2006 **Prep Batch:** 6214386

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 24.567

Element	WL/ Mass	OS Conc	Q	MS Conc	Q	Spike Level	% Rec	OS DF	MS DF	Instr	OS Anal Date	OS Anal Time	MS Anal Date	MS Anal Time
Aluminum	308.2	7820		7100	NC	530.27		1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Antimony	206.8	0.61	U	19.1	N	26.514	71.9	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Arsenic	189.0	2.8		13.0		10.605	97.0	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Barium	493.4	36.8	B	538		530.27	94.5	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Beryllium	313.0	0.46	B	13.1		13.257	95.0	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Cadmium	226.5	0.082	U	12.3		13.257	92.8	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Calcium	317.9	453	B	13300		13257	97.3	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Chromium	267.7	18.8		95.1	N	53.027	143.9	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Cobalt	228.6	8.1	B	132		132.57	93.5	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Copper	324.8	20.0		85.5		66.284	98.8	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Iron	271.4	20000		20500	NC	265.14		1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Lead	220.4	4.8		11.2		5.3027	121.6	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Magnesium	279.1	2960		15400		13257	93.8	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Manganese	257.6	180		311		132.57	99.3	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Nickel	231.6	23.3		154		132.57	98.7	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Potassium	766.5	531	B	13500		13257	97.5	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Selenium	220.4	0.79	B	3.1		2.6514	86.4	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Silver	328.1	0.12	U	12.8		13.257	96.7	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Sodium	330.2	137	B	13100		13257	97.7	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Thallium	190.9	0.74	U	12.4		13.257	93.5	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Vanadium	292.4	9.6	B	133		132.57	93.4	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55
Zinc	206.2	70.6		209		132.57	104.6	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:55

Comments: Lot #: C6G290164 Sample #: 5Color:pre- brown, post- brown. Texture:pre- medium, post fine. Artfacts: stones.

5.04.5

Form 5A Equivalent

U Result is less than the IDL
B Result is between IDL and RL
N Spike recovery failed
NC Percent recovery was not calculated
* Duplicate analysis RPD was not within limits

STL-Pittsburgh

Metals Data Reporting Form

Matrix Spike Sample Results

Spike Sample ID: JAAGES

Original Sample ID: JAAGE **Client ID:** TW3 DUPS

Matrix: Water **Units:** ug/L **Prep Date:** 8/2/2006 **Prep Batch:** 6214392

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	MS Conc	Q	Spike Level	% Rec	OS DF	MS DF	Instr	OS Anal Date	OS Anal Time	MS Anal Date	MS Anal Time
Aluminum	308.2	25500		24800	NC	2000		1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Antimony	206.8	2.3	U	76.6		100	76.6	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Arsenic	189.0	9.4	B	46.9		40	93.7	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Barium	493.4	282		2150		2000	93.4	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Beryllium	313.0	1.3	B	50.1		50	97.6	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Cadmium	226.5	0.31	U	46.4		50	92.9	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Calcium	317.9	14600		62600		50000	96.0	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Chromium	267.7	19.8		204		200	92.0	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Cobalt	228.6	12.4	B	477		500	92.9	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Copper	324.8	37.3		277		250	95.8	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Iron	271.4	27500		27300	NC	1000		1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Lead	220.4	20.2		39.9		20	98.5	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Magnesium	279.1	5880		54200		50000	96.6	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Manganese	257.6	1360		1780		500	85.6	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Nickel	231.6	29.4	B	488		500	91.7	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Potassium	766.5	6810		54300		50000	95.0	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Selenium	220.4	2.0	U	13.5	N	10	134.9	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Silver	328.1	0.45	U	48.2		50	96.5	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Sodium	330.2	39700		88200		50000	96.9	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Thallium	190.9	2.8	U	47.2		50	94.4	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Vanadium	292.4	28.1	B	491		500	92.7	1	1	ICPST	8/11/2006	16:01	8/11/2006	16:45
Zinc	206.2	133		596		500	92.5	1	1	ICPST	8/11/2006	16:01	8/13/2006	11:02

Comments: Lot #: C6G290164 Sample #: 9

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
N Spike recovery failed
NC Percent recovery was not calculated
* Duplicate analysis RPD was not within limits

Form 5A Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Post Digest Spike Sample Results

Spike Sample ID: JAAF1A

Original Sample ID: JAAF1 **Client ID:** GRSB1(22-24)

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/2/2006 **Prep Batch:** 6214386

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 24.567

Element	WL/ Mass	OS Conc	Q	PDS Conc	Q	Spike Level	% Rec	OS DF	PDS DF	Instr	OS Anal Date	OS Anal Time	PDS Anal Date	PDS Anal Time
Antimony	206.8	0.61	UN	30.6	N	31.816	96.1	1	1	ICPST	8/11/2006	14:38	8/11/2006	15:00
Chromium	267.7	18.8	N	55.9	N	37.119	100.0	1	1	ICPST	8/11/2006	14:38	8/13/2006	10:51

Comments:

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
N Spike recovery failed
NC Percent recovery was not calculated

Form 5B Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Post Digest Spike Sample Results

Spike Sample ID: JAAGEA

Original Sample ID: JAAGE **Client ID:** TW3 DUP

Matrix: Water **Units:** ug/L **Prep Date:** 8/17/2006 **Prep Batch:** 6214392

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	PDS Conc	Q	Spike Level	% Rec	OS DF	PDS DF	Instr	OS Anal Date	OS Anal Time	PDS Anal Date	PDS Anal Time
Selenium	220.4	2.0	U	3.5	B N	3	117.0	1	1	ICPST	8/11/2006	16:01	8/17/2006	8:31

Comments:

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
N Spike recovery failed
NC Percent recovery was not calculated

Form 5B Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Duplicate RPD Report

Duplicate Sample ID: JAAF1X

Original Sample ID: JAAF1 **Client ID:** GRSB1(22-24) DUPX

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/2/2006 **Prep Batch:** 6214386

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 24.567

Element	WL/ Mass	OS Conc	Q	Dupe Conc	Q	% RPD	OS DF	Dupe DF	Instr	OS Anal Date	OS Anal Time	Dupe Anal Date	Dupe Anal Time
Aluminum	308.215	7820		6310	*	21.4	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Antimony	206.838	0.61	UN	0.61	U		1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Arsenic	189.042	2.8		1.8	B	41.3	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Barium	493.409	36.8	B	28.0	B	27.2	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Beryllium	313.042	0.46	B	0.33	B	32.4	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Cadmium	226.502	0.082	U	0.082	U		1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Calcium	317.933	453	B	440	B	2.9	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Chromium	267.716	18.8	N	16.7		11.7	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Cobalt	228.616	8.1	B	6.7	B	18.8	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Copper	324.753	20.0		11.0	*	58.0	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Iron	271.441	20000		15100	*	27.8	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Lead	220.353	4.8		4.3		10.4	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Magnesium	279.078	2960		2540		15.1	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Manganese	257.61	180		145	*	21.4	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Nickel	231.604	23.3		17.4		29.1	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Potassium	766.491	531	BE	507	B	4.6	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Selenium	220.353	0.79	B	0.83	B	4.3	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Silver	328.068	0.12	U	0.12	U		1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Sodium	330.232	137	B	121	B	12.5	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Thallium	190.864	0.74	U	0.74	U		1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Vanadium	292.402	9.6	B	7.1	B	30.6	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49
Zinc	206.2	70.6		104	*	38.7	1	1	ICPST	8/11/2006	14:38	8/11/2006	14:49

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

* Duplicate analysis RPD was not within limits

Form 6 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Serial Dilution RPD Report

Serial Dilution Sample ID: JAAF1P

Original Sample ID: JAAF1 **Client ID:** GRSB1(22-24)P

Matrix: Soil **Units:** mg/kg **Prep Date:** 8/2/2006 **Prep Batch:** 6214386

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 24.567

Element	WL/ Mass	OS Conc	Q	Serial Dilution Conc	Q	Percent Diff	OS DF	Ser Dil DF	Instr	OS Anal Date	OS Anal Time	Ser Dil Anal Date	Ser Dil Anal Time
Aluminum	308.215	7820		7930		1.4	1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Antimony	206.838	0.61	UN	3.0	U		1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Arsenic	189.042	2.8		2.6	B	6.0	1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Barium	493.409	36.8	B	37.2	B	1.2	1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Beryllium	313.042	0.46	B	0.62	B	36.6	1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Cadmium	226.502	0.082	U	0.41	U		1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Calcium	317.933	453	B	459	B	1.3	1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Chromium	267.716	18.8	N	19.0		0.9	1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Cobalt	228.616	8.1	B	7.9	B	2.0	1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Copper	324.753	20.0		20.4	B	2.1	1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Iron	271.441	20000		20500		2.5	1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Lead	220.353	4.8		4.5		6.0	1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Magnesium	279.078	2960		3040	B	2.7	1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Manganese	257.61	180		183		1.8	1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Nickel	231.604	23.3		23.6	B	1.1	1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Potassium	766.491	531	B	616	B E	16.0	1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Selenium	220.353	0.79	B	2.7	U	100.0	1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Silver	328.068	0.12	U	0.60	U		1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Sodium	330.232	137	B	132	U	100.0	1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Thallium	190.864	0.74	U	3.7	U		1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Vanadium	292.402	9.6	B	10.3	B	7.3	1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44
Zinc	206.2	70.6		76.1		7.9	1	5	ICPST	8/11/2006	14:38	8/11/2006	14:44

Comments: Lot #: C6G290164 Sample #: 5 Color:pre- brown, post- brown. Texture:pre- medium, post fine. Artfacts: stones.

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 9 Equivalent

OCLP OLM04.2 METHOD BLANK SUMMARY

BLANK WORKORDER NO.: H8RJA1AA

Lab Name: Severn Trent Laboratories, Inc.

Lab Code: STLPIT

SDG Number:

Lab File ID: 5070602.D

Lot Number: C6F280229

Date Analyzed: 07/06/06

Time Analyzed: 17:49

Matrix: SOLID

Date Extracted: 07/06/06

GC Column: HP624 ID: .20

Extraction Method:

Instrument ID: HP5

Level: (low/med) LOW

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, LCS, LCSD, MS , MSD:

	CLIENT ID.	SAMPLE WORK ORDER #		LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	GRSS1	H8DT91AC		5070603.D	07/06/06	18:27
02	GRSS1	H8DT91DR	S	5070610.D	07/06/06	21:47
03	GRSS1	H8DT91DT	D	5070611.D	07/06/06	22:18
04	GRSS2	H8DVA1AK		5070604.D	07/06/06	18:55
05	GRSB4(7-8)	H8DVC1AK		5070605.D	07/06/06	19:21
06	GRSB4(9-11)	H8DVD1AK		5070606.D	07/06/06	19:54
07	GRSB3(4-5)	H8DVE1AK		5070607.D	07/06/06	20:21
08	GRSB3(6-7)	H8DVF1AK		5070608.D	07/06/06	20:48
09	CHECK SAMPLE	H8RJA1AC	C	5070609.D	07/06/06	21:18
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

COMMENTS:

FORM IV

The RETEC Group, Inc.
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID:C6G060000 555
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 06/28/06
Work Order: H8RJA1AA Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/06/06
Moisture %:NA

QC Batch: 6187555

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
67-64-1	Acetone	10	U
71-43-2	Benzene	10	U
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	10	U
74-83-9	Bromomethane	10	U
78-93-3	2-Butanone	10	U
75-15-0	Carbon disulfide	10	U
56-23-5	Carbon tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	10	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	10	U
110-82-7	Cyclohexane	10	U
124-48-1	Dibromochloromethane	10	U
96-12-8	1,2-Dibromo-3-chloropropane	10	U
106-93-4	1,2-Dibromoethane	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
75-71-8	Dichlorodifluoromethane	10	U
75-34-3	1,1-Dichloroethane	10	U
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U

FORM I

The RETEC Group, Inc.
METHOD BLANK COMPOUNDS

Lab Name:Severn Trent Laboratories, Inc. SDG Number:

Matrix: (soil/water) SOLID Lab Sample ID:C6G060000 555
Method: OCLP OLM04.2
Volatile Organic Compounds - CLP (OLM04.2)

Sample WT/Vol: 5 / g Date Received: 06/28/06
Work Order: H8RJA1AA Date Extracted:07/06/06
Dilution factor: 1 Date Analyzed: 07/06/06
Moisture %:NA

QC Batch: 6187555

Client Sample Id: INTRA-LAB BLANK

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/kg) ug/kg	Q
100-41-4	Ethylbenzene	10	U
591-78-6	2-Hexanone	10	U
98-82-8	Isopropylbenzene	10	U
79-20-9	Methyl acetate	10	U
75-09-2	Methylene chloride	1.8	J
108-87-2	Methylcyclohexane	10	U
108-10-1	4-Methyl-2-pentanone	10	U
1634-04-4	Methyl tert-butyl ether	10	U
100-42-5	Styrene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
127-18-4	Tetrachloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U
76-13-1	1,1,2-Trichloro-1,2,2-triflu	10	U
108-88-3	Toluene	10	U
75-01-4	Vinyl chloride	10	U
1330-20-7	Xylenes (total)	10	U

FORM I

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.:

Instrument ID: HP5 Calibration Date(s): 07/06/06 07/06/06

Heated Purge: (Y/N) Y Calibration Time(s): 1450 1651

GC Column: DB624 ID: 0.20(mm)

LAB FILE ID: RRF10 = 1A50706 RRF20 = 1B50706
RRF50 = 1D50706 RRF100= 1E50706 RRF200= 1F50706

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane	3.826	3.691	3.732	3.810	3.586	3.729	2.6
Bromomethane*	1.291	1.142	1.030	1.038	1.000	1.100	10.8*
Vinyl Chloride*	2.560	2.619	2.603	2.631	2.510	2.585	1.9*
Chloroethane	0.952	1.020	0.967	0.972	0.953	0.973	2.9
Methylene Chloride	2.693	2.322	2.103	2.067	1.975	2.232	12.9
Acetone	4.200	3.116	2.989	2.966	3.053	3.265	16.1
Carbon Disulfide	6.569	6.299	6.513	6.719	6.657	6.551	2.5
1,1-Dichloroethene*	2.226	2.197	2.111	2.128	2.124	2.157	2.4*
1,1-Dichloroethane*	4.938	4.779	4.721	4.826	4.693	4.791	2.0*
1,2-Dichloroethene (total)	2.334	2.303	2.217	2.251	2.235	2.268	2.2
Chloroform*	3.925	3.750	3.763	3.780	3.709	3.785	2.2*
1,2-Dichloroethane*	3.514	3.482	3.374	3.357	3.334	3.412	2.4*
2-Butanone	4.294	3.524	3.451	3.391	3.524	3.637	10.2
1,1,1-Trichloroethane*	0.478	0.521	0.519	0.534	0.535	0.517	4.5*
Carbon Tetrachloride*	0.357	0.378	0.395	0.417	0.435	0.396	7.7*
Bromodichloromethane*	0.316	0.288	0.306	0.324	0.358	0.318	8.2*
1,2-Dichloropropane	0.350	0.336	0.333	0.332	0.349	0.340	2.6
cis-1,3-Dichloropropene*	0.349	0.381	0.403	0.422	0.446	0.400	9.3*
Trichloroethene*	0.343	0.334	0.318	0.321	0.332	0.330	3.1*
Dibromochloromethane*	0.146	0.164	0.192	0.214	0.238	0.191	19.5*
1,1,2-Trichloroethane*	0.210	0.228	0.220	0.222	0.231	0.222	3.7*
Benzene*	1.239	1.312	1.295	1.292	1.304	1.288	2.2*
trans-1,3-Dichloropropene*	0.297	0.337	0.356	0.379	0.406	0.355	11.7*
Bromoform*	0.062	0.075	0.092	0.109	0.131	0.094	29.2*
4-Methyl-2-pentanone	0.845	0.763	0.736	0.753	0.779	0.775	5.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6B

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP5 Calibration Date(s): 07/06/06 07/06/06

Heated Purge: (Y/N) Y Calibration Time(s): 1450 1651

GC Column: DB624 ID: 0.20(mm)

LAB FILE ID: RRF10 = 1A50706 RRF20 = 1B50706
RRF50 = 1D50706 RRF100= 1E50706 RRF200= 1F50706

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
2-Hexanone	0.794	0.749	0.744	0.763	0.810	0.772	3.8
Tetrachloroethene*	0.345	0.344	0.334	0.337	0.348	0.342	1.7*
1,1,2,2-Tetrachloroethane*	0.323	0.313	0.323	0.324	0.344	0.325	3.5*
Toluene*	1.717	1.672	1.653	1.671	1.727	1.688	1.9*
Chlorobenzene*	1.078	1.061	1.052	1.074	1.079	1.069	1.1*
Ethylbenzene*	0.604	0.563	0.570	0.571	0.587	0.579	2.8*
Styrene*	1.027	1.071	1.090	1.134	1.163	1.097	4.8*
Xylenes (total)*	0.697	0.653	0.643	0.665	0.675	0.667	3.1*
Dichlorodifluoromethane	1.589	1.565	1.563	1.601	1.523	1.568	1.9
Trichlorofluoromethane	2.430	2.695	2.502	2.520	2.409	2.511	4.5
1,1,2-Trichloro-1,2,2-trifluoroethane	2.157	2.140	2.072	2.050	1.994	2.083	3.2
1,3-Dichlorobenzene*	0.715	0.734	0.728	0.756	0.762	0.739	2.7*
1,4-Dichlorobenzene*	0.747	0.738	0.731	0.758	0.771	0.749	2.1*
1,2-Dichlorobenzene*	0.675	0.684	0.683	0.694	0.704	0.688	1.6*
1,2-Dibromoethane	0.204	0.213	0.217	0.218	0.230	0.216	4.4
1,2-Dibromo-3-chloropropane	0.047	0.042	0.052	0.052	0.061	0.051	13.3
Methyl tert-butyl ether	6.191	5.835	5.715	5.740	5.875	5.871	3.2
Methyl Acetate	3.302	2.492	1.183	1.142	1.188	1.861	53.1
Cyclohexane	0.860	0.905	0.894	0.902	0.909	0.894	2.2
Methyl Cyclohexane	0.584	0.566	0.546	0.550	0.564	0.562	2.7
Isopropylbenzene	1.566	1.586	1.599	1.634	1.646	1.606	2.1
1,2,4-Trichlorobenzene	0.350	0.355	0.367	0.383	0.403	0.372	5.8
Toluene-d8	1.428	1.327	1.352	1.358	1.362	1.365	2.7
Bromofluorobenzene*	0.425	0.431	0.434	0.437	0.440	0.433	1.3*
1,2-Dichloroethane-d4	2.772	2.628	2.558	2.474	2.419	2.570	5.4

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP3 Calibration Date(s): 04/26/06 04/26/06

Heated Purge: (Y/N) N Calibration Time(s): 0834 1021

GC Column: DB624 ID: 0.53 (mm)

LAB FILE ID: RRF10 =1A30426K RRF20 =1B30426K
RRF50 =1C30426K RRF100=1D30426K RRF200=1E30426K

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
Chloromethane	3.008	2.770	2.608	2.460	2.596	2.688	7.8
Bromomethane *	1.169	0.972	0.929	0.876	0.868	0.963	12.8*
Vinyl Chloride *	3.055	2.867	2.609	2.538	2.611	2.736	8.0*
Chloroethane	1.133	0.800	0.850	0.816	0.817	0.883	16.0
Methylene Chloride	2.100	1.879	2.241	2.166	2.197	2.117	6.7
Acetone	1.345	1.914	1.755	1.819	1.748	1.716	12.7
Carbon Disulfide	6.629	7.471	7.116	7.009	7.082	7.061	4.3
1,1-Dichloroethene *	2.471	2.535	2.059	2.184	2.226	2.295	8.8*
1,1-Dichloroethane *	4.699	4.537	4.000	3.867	3.965	4.214	8.9*
1,2-Dichloroethene (total)	2.590	2.568	2.235	2.186	2.249	2.366	8.3
Chloroform *	3.891	3.716	3.278	3.224	3.346	3.491	8.4*
1,2-Dichloroethane *	3.398	3.348	2.864	2.811	2.928	3.070	9.1*
2-Butanone	1.535	2.020	2.002	2.078	2.053	1.938	11.7
1,1,1-Trichloroethane *	0.376	0.347	0.335	0.358	0.400	0.363	7.0*
Carbon Tetrachloride *	0.237	0.225	0.235	0.279	0.326	0.260	16.1*
Bromodichloromethane *	0.339	0.300	0.310	0.340	0.374	0.333	8.7*
1,2-Dichloropropane	0.460	0.423	0.388	0.388	0.390	0.410	7.7
cis-1,3-Dichloropropene *	0.487	0.449	0.459	0.500	0.543	0.488	7.6*
Trichloroethene *	0.474	0.427	0.384	0.385	0.391	0.412	9.4*
Dibromochloromethane *	0.228	0.194	0.224	0.261	0.304	0.242	17.2*
1,1,2-Trichloroethane *	0.377	0.359	0.326	0.324	0.328	0.343	7.0*
Benzene *	1.777	1.634	1.456	1.435	1.454	1.551	9.7*
trans-1,3-Dichloropropene *	0.384	0.368	0.389	0.438	0.483	0.412	11.5*
Bromoform *	0.134	0.116	0.143	0.183	0.224	0.160	27.1*
4-Methyl-2-pentanone	0.546	0.549	0.512	0.512	0.522	0.528	3.4
2-Hexanone	0.372	0.483	0.482	0.513	0.516	0.473	12.4
Tetrachloroethene *	0.417	0.394	0.348	0.336	0.352	0.369	9.3*
1,1,2,2-Tetrachloroethane *	0.546	0.519	0.482	0.468	0.498	0.503	6.1*
Toluene *	2.062	1.930	1.731	1.659	1.748	1.826	9.1*
Chlorobenzene *	1.418	1.321	1.188	1.149	1.196	1.254	8.9*
Ethylbenzene *	0.795	0.736	0.665	0.648	0.676	0.704	8.6*
Styrene *	1.562	1.497	1.355	1.343	1.438	1.439	6.5*
Xylenes (total) *	0.924	0.875	0.797	0.783	0.837	0.843	6.9*
Dichlorodifluoromethane	1.929	1.766	1.596	1.529	1.454	1.655	11.6
Trichlorofluoromethane	5.394	1.991	2.105	2.080	3.066	2.927	49.4
1,1,2 Trichloro-1,2,2-Triflu	2.355	2.472	2.070	2.064	2.115	2.215	8.4
1,3-Dichlorobenzene *	1.110	1.054	0.953	0.936	0.990	1.009	7.2*

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

6A

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP3 Calibration Date(s): 04/26/06 04/26/06

Heated Purge: (Y/N) N Calibration Time(s): 0834 1021

GC Column: DB624 ID: 0.53 (mm)

LAB FILE ID: RRF10 =1A30426K RRF20 =1B30426K
RRF50 =1C30426K RRF100=1D30426K RRF200=1E30426K

COMPOUND	RRF10	RRF20	RRF50	RRF100	RRF200	$\overline{RRF}$	% RSD
1,4-Dichlorobenzene *	1.147	1.073	0.982	0.951	1.001	1.031	7.7*
1,2-Dichlorobenzene *	1.048	1.005	0.910	0.886	0.932	0.956	7.1*
1,2-Dibromoethane	0.414	0.382	0.354	0.355	0.369	0.375	6.6
1,2-Dibromo-3-chloropropane	0.039	0.041	0.048	0.059	0.066	0.051	23.0
Methyl tert-butyl ether	6.300	6.424	5.669	5.562	5.825	5.956	6.5
Methyl Acetate	2.579	2.560	2.185	2.146	2.146	2.323	9.7
Cyclohexane	0.864	0.836	0.739	0.738	0.741	0.784	7.8
Methyl Cyclohexane	0.824	0.775	0.686	0.687	0.703	0.735	8.4
Isopropylbenzene	2.161	2.006	1.850	1.795	1.900	1.942	7.5
1,2,4 Trichlorobenzene *	0.594	0.587	0.547	0.545	0.578	0.570	4.0*
trans-1,2-Dichloroethene	2.525	2.527	2.183	2.131	2.193	2.312	8.5
cis-1,2-dichloroethene	2.656	2.609	2.288	2.240	2.306	2.420	8.1
Toluene-d8	1.531	1.569	1.351	1.318	1.353	1.424	8.2
Bromofluorobenzene *	0.543	0.549	0.481	0.479	0.503	0.511	6.6*
1,2-Dichloroethane-d4	2.348	2.400	1.983	1.984	1.976	2.138	10.1

* Compounds with required minimum RRF and maximim %RSD values.
All other compounds must meet a minimim RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP3 Calibration Date: 07/03/06 Time: 0929

Lab File ID: 1C30703N Init. Calib. Date(s): 04/26/06 04/26/06

EPA Sample No.(VSTD050##): vstd50 Init. Calib. Times: 0834 1021

Heated Purge: (Y/N) N

GC Column: DB624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	2.688	2.455		-8.7	
Bromomethane	0.963	0.981	0.100	1.9	25.0
Vinyl Chloride	2.736	2.383	0.100	-12.9	25.0
Chloroethane	0.883	0.839		-5.0	
Methylene Chloride	2.117	1.947		-8.0	
Acetone	1.716	1.576		-8.2	
Carbon Disulfide	7.061	6.315		-10.6	
1,1-Dichloroethene	2.295	1.818	0.100	-20.8	25.0
1,1-Dichloroethane	4.214	3.355	0.200	-20.4	25.0
1,2-Dichloroethene (total)	2.366	1.946		-17.8	
Chloroform	3.491	2.898	0.200	-17.0	25.0
1,2-Dichloroethane	3.070	2.484	0.100	-19.1	25.0
2-Butanone	1.938	1.611		-16.9	
1,1,1-Trichloroethane	0.363	0.328	0.100	-9.6	25.0
Carbon Tetrachloride	0.260	0.277	0.100	6.5	25.0
Bromodichloromethane	0.333	0.318	0.200	-4.5	25.0
1,2-Dichloropropane	0.410	0.324		-21.0	
cis-1,3-Dichloropropene	0.488	0.426	0.200	-12.7	25.0
Trichloroethene	0.412	0.346	0.300	-16.0	25.0
Dibromochloromethane	0.242	0.270	0.100	11.6	25.0
1,1,2-Trichloroethane	0.343	0.282	0.100	-17.8	25.0
Benzene	1.551	1.249	0.500	-19.5	25.0
trans-1,3-Dichloropropene	0.412	0.378	0.100	-8.2	25.0
Bromoform	0.160	0.201	0.100	25.6	25.0
4-Methyl-2-pentanone	0.528	0.442		-16.3	

All other compounds must meet a minimum RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: METHODS

Instrument ID: HP3 Calibration Date: 07/03/06 Time: 0929

Lab File ID: 1C30703N Init. Calib. Date(s): 04/26/06 04/26/06

EPA Sample No.(VSTD050##): vstd50 Init. Calib. Times: 0834 1021

Heated Purge: (Y/N) N

GC Column: DB624 ID: 0.53 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
2-Hexanone	0.473	0.419		-11.4	
Tetrachloroethene	0.369	0.319	0.200	-13.6	25.0
1,1,2,2-Tetrachloroethane	0.503	0.412	0.300	-18.1	25.0
Toluene	1.826	1.507	0.400	-17.5	25.0
Chlorobenzene	1.254	1.026	0.500	-18.2	25.0
Ethylbenzene	0.704	0.581	0.100	-17.5	25.0
Styrene	1.439	1.176	0.300	-18.3	25.0
Xylenes (total)	0.843	0.700	0.300	-17.0	25.0
Dichlorodifluoromethane	1.655	1.706		3.1	
Trichlorofluoromethane	2.927	3.699		26.4	
1,1,2 Trichloro-1,2,2-Trifluo	2.215	1.822		-17.7	
1,3-Dichlorobenzene	1.009	0.855	0.600	-15.3	25.0
1,4-Dichlorobenzene	1.031	0.865	0.500	-16.1	25.0
1,2-Dichlorobenzene	0.956	0.804	0.400	-15.9	25.0
1,2-Dibromoethane	0.375	0.321		-14.4	
1,2-Dibromo-3-chloropropane	0.051	0.049		-3.9	
Methyl tert-butyl ether	5.956	4.476		-24.8	
Methyl Acetate	2.323	1.604		-31.0	
Cyclohexane	0.784	0.618		-21.2	
Methyl Cyclohexane	0.735	0.612		-16.7	
Isopropylbenzene	1.942	1.621		-16.5	
1,2,4 Trichlorobenzene	0.570	0.447	0.200	-21.6	25.0
trans-1,2-Dichloroethene	2.312	1.902		-17.7	
cis-1,2-dichloroethene	2.420	1.991		-17.7	
Toluene-d8	1.424	1.158		-18.7	
Bromofluorobenzene	0.511	0.430	0.200	-15.8	25.0
1,2-Dichloroethane-d4	2.138	1.734		-18.9	

All other compounds must meet a minimum RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.:

Instrument ID: HP5 Calibration Date: 07/06/06 Time: 1551

Lab File ID: 1D50706 Init. Calib. Date(s): 07/06/06 07/06/06

EPA Sample No.(VSTD050##): VSTD50 Init. Calib. Times: 1450 1651

Heated Purge: (Y/N) Y

GC Column: DB624 ID: 0.20 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Chloromethane	3.729	3.732		0.1	
Bromomethane	1.100	1.030	0.100	-6.4	25.0
Vinyl Chloride	2.585	2.603	0.100	0.7	25.0
Chloroethane	0.973	0.967		-0.6	
Methylene Chloride	2.232	2.103		-5.8	
Acetone	3.265	2.989		-8.4	
Carbon Disulfide	6.551	6.513		-0.6	
1,1-Dichloroethene	2.157	2.111	0.100	-2.1	25.0
1,1-Dichloroethane	4.791	4.721	0.200	-1.5	25.0
1,2-Dichloroethene (total)	2.268	2.217		-2.2	
Chloroform	3.785	3.763	0.200	-0.6	25.0
1,2-Dichloroethane	3.412	3.374	0.100	-1.1	25.0
2-Butanone	3.637	3.451		-5.1	
1,1,1-Trichloroethane	0.517	0.519	0.100	0.4	25.0
Carbon Tetrachloride	0.396	0.395	0.100	-0.2	25.0
Bromodichloromethane	0.318	0.306	0.200	-3.8	25.0
1,2-Dichloropropane	0.340	0.333		-2.0	
cis-1,3-Dichloropropene	0.400	0.403	0.200	0.8	25.0
Trichloroethene	0.330	0.318	0.300	-3.6	25.0
Dibromochloromethane	0.191	0.192	0.100	0.5	25.0
1,1,2-Trichloroethane	0.222	0.220	0.100	-0.9	25.0
Benzene	1.288	1.295	0.500	0.5	25.0
trans-1,3-Dichloropropene	0.355	0.356	0.100	0.3	25.0
Bromoform	0.094	0.092	0.100	-2.1	25.0
4-Methyl-2-pentanone	0.775	0.736		-5.0	

All other compounds must meet a minimum RRF of 0.010.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.:

Instrument ID: HP5 Calibration Date: 07/06/06 Time: 1551

Lab File ID: 1D50706 Init. Calib. Date(s): 07/06/06 07/06/06

EPA Sample No.(VSTD050##): VSTD50 Init. Calib. Times: 1450 1651

Heated Purge: (Y/N) Y

GC Column: DB624 ID: 0.20 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
2-Hexanone	0.772	0.744		-3.6	
Tetrachloroethene	0.342	0.334	0.200	-2.3	25.0
1,1,2,2-Tetrachloroethane	0.325	0.323	0.300	-0.6	25.0
Toluene	1.688	1.653	0.400	-2.1	25.0
Chlorobenzene	1.069	1.052	0.500	-1.6	25.0
Ethylbenzene	0.579	0.570	0.100	-1.6	25.0
Styrene	1.097	1.090	0.300	-0.6	25.0
Xylenes (total)	0.667	0.643	0.300	-3.6	25.0
Dichlorodifluoromethane	1.568	1.563		-0.3	
Trichlorofluoromethane	2.511	2.502		-0.4	
1,1,2-Trichloro-1,2,2-trifluoroethane	2.083	2.072		-0.5	
1,3-Dichlorobenzene	0.739	0.728	0.600	-1.5	25.0
1,4-Dichlorobenzene	0.749	0.731	0.500	-2.4	25.0
1,2-Dichlorobenzene	0.688	0.683	0.400	-0.7	25.0
1,2-Dibromoethane	0.216	0.217		0.5	
1,2-Dibromo-3-chloropropane	0.051	0.052		2.0	
Methyl tert-butyl ether	5.871	5.715		-2.6	
Methyl Acetate	1.861	1.183		-36.4	
Cyclohexane	0.894	0.894		0.0	
Methyl Cyclohexane	0.562	0.546		-2.8	
Isopropylbenzene	1.606	1.599		-0.4	
1,2,4-Trichlorobenzene	0.372	0.367		-1.3	
Toluene-d8	1.365	1.352		-1.0	
Bromofluorobenzene	0.433	0.434	0.200	0.2	25.0
1,2-Dichloroethane-d4	2.570	2.558		-0.5	

All other compounds must meet a minimum RRF of 0.010.

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: C6F280229

Instrument ID: 731 Calibration Date: 07/03/06 Time: 1053

Lab File ID: V07030CC Init. Calib. Date(s): 06/28/06 06/28/06

EPA Sample No.(SSTD050##): SSTD050 Init. Calib. Times: 1102 1323

GC Column: ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
Phenol	1.514	1.601	0.800	5.7	25.0
Bis(2-chloroethyl)ether	1.100	1.137	0.700	3.4	25.0
2-Chlorophenol	1.337	1.381	0.800	3.3	25.0
2-Methylphenol	1.184	1.235	0.700	4.3	25.0
2,2'-oxybis(1-Chloropropane)	0.865	0.850		-1.7	
N-Nitroso-di-n-propylamine	0.961	1.086	0.500	13.0	25.0
4-Methylphenol	1.265	1.344	0.600	6.2	25.0
Hexachloroethane	0.687	0.717	0.300	4.4	25.0
Nitrobenzene	0.381	0.409	0.200	7.3	25.0
Isophorone	0.607	0.651	0.400	7.2	25.0
2-Nitrophenol	0.194	0.196	0.100	1.0	25.0
2,4-Dimethylphenol	0.329	0.354	0.200	7.6	25.0
Bis(2-chloroethoxy)methane	0.344	0.353	0.300	2.6	25.0
2,4-Dichlorophenol	0.307	0.314	0.200	2.3	25.0
Naphthalene	1.021	1.045	0.700	2.4	25.0
4-Chloroaniline	0.409	0.427		4.4	
Hexachlorobutadiene	0.219	0.219		0.0	
4-Chloro-3-Methylphenol	0.301	0.335	0.200	11.3	25.0
2-Methylnaphthalene	0.724	0.759	0.400	4.8	25.0
Hexachlorocyclopentadiene	0.457	0.420		-8.1	
2,4,6-Trichlorophenol	0.386	0.367	0.200	-4.9	25.0
2,4,5-Trichlorophenol	0.410	0.410	0.200	0.0	25.0
2-Chloronaphthalene	1.146	1.145	0.800	-0.1	25.0
2-Nitroaniline	0.308	0.330		7.1	
Dimethylphthalate	1.234	1.328		7.6	
Acenaphthylene	1.775	1.831	0.900	3.2	25.0
2,6-Dinitrotoluene	0.286	0.300	0.200	4.9	25.0
3-Nitroaniline	0.308	0.331		7.5	
Acenaphthene	1.122	1.140	0.900	1.6	25.0
2,4-Dinitrophenol	0.148	0.154		4.0	
4-Nitrophenol	0.201	0.244		21.4	
Dibenzofuran	1.677	1.720	0.800	2.6	25.0
2,4-Dinitrotoluene	0.382	0.425	0.200	11.2	25.0
Diethylphthalate	1.213	1.356		11.8	
4-Chlorophenyl-phenylether	0.657	0.704	0.400	7.2	25.0
Fluorene	1.335	1.427	0.900	6.9	25.0

All other compounds must meet a minimum RRF of 0.010.

FORM VII SV-1 OLM04.2

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: STL-PITTSBURGH Contract:

Lab Code: STLPIT Case No.: SAS No.: SDG No.: C6F280229

Instrument ID: 731 Calibration Date: 07/03/06 Time: 1053

Lab File ID: V07030CC Init. Calib. Date(s): 06/28/06 06/28/06

EPA Sample No.(SSTD050##): SSTD050 Init. Calib. Times: 1102 1323

GC Column: ID: 0.25 (mm)

COMPOUND	$\overline{RRF}$	RRF50	MIN RRF	%D	MAX %D
4-Nitroaniline	0.324	0.366		13.0	
4,6-Dinitro-2-methylphenol	0.133	0.135		1.5	
N-Nitrosodiphenylamine(1)	0.608	0.590		-3.0	
4-Bromophenyl-phenylether	0.268	0.259	0.100	-3.4	25.0
Hexachlorobenzene	0.273	0.254	0.100	-7.0	25.0
Pentachlorophenol	0.143	0.133	0.050	-7.0	25.0
Phenanthrene	1.244	1.207	0.700	-3.0	25.0
Anthracene	1.218	1.230	0.700	1.0	25.0
Carbazole	1.093	1.145		4.8	
Di-n-Butylphthalate	1.268	1.374		8.4	
Fluoranthene	1.316	1.405	0.600	6.8	25.0
Pyrene	1.211	1.189	0.600	-1.8	25.0
Butylbenzylphthalate	0.517	0.533		3.1	
3,3'-Dichlorobenzidine	0.501	0.538		7.4	
Benzo(a)Anthracene	1.256	1.265	0.800	0.7	25.0
Chrysene	1.184	1.211	0.700	2.3	25.0
bis(2-ethylhexyl)Phthalate	0.761	0.791		3.9	
Di-n-octylphthalate	1.238	1.283		3.6	
Benzo(b)fluoranthene	1.353	1.346	0.700	-0.5	25.0
Benzo(k)fluoranthene	1.283	1.318	0.700	2.7	25.0
Benzo(a)pyrene	1.153	1.140	0.700	-1.1	25.0
Indeno(1,2,3-cd)pyrene	1.481	1.423	0.500	-3.9	25.0
Dibenz(a,h)anthracene	1.169	1.124	0.400	-3.8	25.0
Benzo(g,h,i)perylene	1.247	1.221	0.500	-2.1	25.0
Benzaldehyde	0.949	1.382		45.6	
Acetophenone	2.302	3.091		34.3	
Caprolactam	0.118	0.166		40.7	
1,1'-Biphenyl	1.816	2.205		21.4	
Atrazine	0.255	0.365		43.1	
Nitrobenzene-d5	0.384	0.406	0.200	5.7	25.0
2-Fluorobiphenyl	1.275	1.262	0.700	-1.0	25.0
Terphenyl-d14	0.933	0.932	0.500	-0.1	25.0
Phenol-d5	1.458	1.530	0.800	4.9	25.0
2-Fluorophenol	1.189	1.263	0.600	6.2	25.0
2,4,6-Tribromophenol	0.114	0.099		-13.2	
2-Chlorophenol-d4	1.413	1.485	0.800	5.1	25.0
1,2-Dichlorobenzene-d4	0.958	0.997	0.400	4.1	25.0

(1) Cannot be separated from Diphenylamine

All other compounds must meet a minimum RRF of 0.010.

STL-Pittsburgh

Metals Data Reporting Form

Preparation Blank Results

Lab Sample ID: H8E25B

Matrix: Soil **Units:** mg/kg **Prep Date:** 6/29/2006 **Prep Batch:** 6180029

Weight: 1.00 **Volume:** 200 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.215**	**1.3**	**40.0**	**7.3**	**B**	1	ICPST	7/1/2006	18:30
Antimony	220.353	0.38	12.0	0.38	U	1	ICPST	7/1/2006	18:30
Arsenic	189.042	0.20	2.0	0.20	U	1	ICPST	7/1/2006	18:30
Barium	493.409	0.030	40.0	0.030	U	1	ICPST	7/1/2006	18:30
Beryllium	**313.042**	**0.036**	**1.0**	**0.076**	**B**	**1**	**ICPST**	**7/1/2006**	**18:30**
Cadmium	226.502	0.032	1.0	0.032	U	1	ICPST	7/1/2006	18:30
Calcium	**317.933**	**2.2**	**1000**	**42.9**	**B**	**1**	**ICPST**	**7/1/2006**	**18:30**
Chromium	267.716	0.086	2.0	0.086	U	1	ICPST	7/1/2006	18:30
Cobalt	228.616	0.098	10.0	-0.098	B	1	ICPST	7/1/2006	18:30
Copper	324.753	0.066	5.0	-0.13	B	1	ICPST	7/1/2006	18:30
Iron	271.441	3.8	20.0	3.8	U	1	ICPST	7/1/2006	18:30
Lead	220.353	0.22	0.60	0.22	U	1	ICPST	7/1/2006	18:30
Magnesium	279.078	1.3	1000	1.3	U	1	ICPST	7/1/2006	18:30
Manganese	257.61	0.034	3.0	0.034	U	1	ICPST	7/1/2006	18:30
Nickel	231.604	0.20	8.0	0.20	U	1	ICPST	7/1/2006	18:30
Potassium	**766.491**	**1.9**	**1000**	**43.8**	**B**	**1**	**ICPST**	**7/1/2006**	**18:30**
Selenium	220.353	0.32	1.0	0.32	U	1	ICPST	7/1/2006	18:30
Silver	328.068	0.094	2.0	0.094	U	1	ICPST	7/1/2006	18:30
Sodium	330.232	34.8	1000	34.8	U	1	ICPST	7/1/2006	18:30
Thallium	190.864	0.52	2.0	0.52	U	1	ICPST	7/1/2006	18:30
Vanadium	292.402	0.14	10.0	0.14	U	1	ICPST	7/1/2006	18:30
Zinc	**213.856**	**0.16**	**4.0**	**1.8**	**B**	**1**	**ICPST**	**7/1/2006**	**18:30**

Comments: Lot #: C6F280229

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Preparation Blank Results

Lab Sample ID: H8E27B

Matrix: Water **Units:** ug/L **Prep Date:** 6/29/2006 **Prep Batch:** 6180031

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Aluminum	**308.215**	**6.3**	**200**	**35.2**	**B**	**1**	**ICPST**	**7/1/2006**	**19:41**
Antimony	220.353	1.9	60.0	1.9	U	1	ICPST	7/1/2006	19:41
Arsenic	189.042	1.0	10.0	1.0	U	1	ICPST	7/1/2006	19:41
Barium	**493.409**	**0.15**	**200**	**0.20**	**B**	**1**	**ICPST**	**7/1/2006**	**19:41**
Beryllium	**313.042**	**0.18**	**5.0**	**0.57**	**B**	**1**	**ICPST**	**7/1/2006**	**19:41**
Cadmium	226.502	0.16	5.0	0.16	U	1	ICPST	7/1/2006	19:41
Calcium	317.933	11.0	5000	11.0	U	1	ICPST	7/1/2006	19:41
Chromium	267.716	0.43	10.0	0.43	U	1	ICPST	7/1/2006	19:41
Cobalt	**228.616**	**0.49**	**50.0**	**0.60**	**B**	**1**	**ICPST**	**7/1/2006**	**19:41**
Copper	324.753	0.33	25.0	-0.81	B	1	ICPST	7/1/2006	19:41
Iron	271.441	19.0	100	19.0	U	1	ICPST	7/1/2006	19:41
Lead	220.353	1.1	3.0	-1.3	B	1	ICPST	7/1/2006	19:41
Magnesium	279.078	6.7	5000	6.7	U	1	ICPST	7/1/2006	19:41
Manganese	257.61	0.17	15.0	-0.28	B	1	ICPST	7/1/2006	19:41
Nickel	231.604	0.98	40.0	0.98	U	1	ICPST	7/1/2006	19:41
Potassium	**766.491**	**9.5**	**5000**	**210**	**B**	**1**	**ICPST**	**7/1/2006**	**19:41**
Selenium	220.353	1.6	5.0	1.6	U	1	ICPST	7/1/2006	19:41
Silver	328.068	0.47	10.0	0.47	U	1	ICPST	7/1/2006	19:41
Sodium	330.232	174	5000	-690	B	1	ICPST	7/1/2006	19:41
Thallium	190.864	2.6	10.0	2.6	U	1	ICPST	7/1/2006	19:41
Vanadium	292.402	0.72	50.0	0.72	U	1	ICPST	7/1/2006	19:41
Zinc	**213.856**	**0.79**	**20.0**	**4.3**	**B**	**1**	**ICPST**	**7/1/2006**	**19:41**

Comments: Lot #: C6F280229

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Preparation Blank Results

Lab Sample ID: H85AGB

Matrix: Soil **Units:** mg/kg **Prep Date:** 7/13/2006 **Prep Batch:** 6194013

Weight: .2 **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.012	0.10	0.014	B	1	CVAA	7/13/2006	8:33

Comments: Lot #: C6F280229

5.04.5

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Preparation Blank Results

Lab Sample ID: H814GB

Matrix: Water **Units:** ug/L **Prep Date:** 7/12/2006 **Prep Batch:** 6193012

Weight: NA **Volume:** 100 **Percent Moisture:** NA

Element	WL/ Mass	IDL	Report Limit	Conc	Q	DF	Instr	Anal Date	Anal Time
Mercury	253.7	0.023	0.20	0.023	U	1	CVAA	7/12/2006	8:42

Comments: Lot #: C6F280229

5.04.5

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Initial Calibration Blank Results

Instrument: ICPST **Units:** ug/L

Chart Number: T60701A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	ICB1 7/1/2006 11:05 AM Found	Q	Found	Q	Found	Q	Found	Q	Found	Q
Aluminum	308.215	200	6.3	U								
Antimony	220.353	60	1.9	U								
Arsenic	189.042	10	1.0	U								
Barium	493.409	200	0.2	U								
Beryllium	313.042	5	0.2	U								
Cadmium	226.502	5	0.2	U								
Calcium	317.933	5000	11.0	U								
Chromium	267.716	10	0.4	U								
Cobalt	228.616	50	0.5	U								
Copper	324.753	25	0.3	U								
Iron	271.441	100	19.0	U								
Lead	220.353	3	1.1	U								
Magnesium	279.078	5000	6.7	U								
Manganese	257.61	15	0.2	U								
Nickel	231.604	40	1.0	U								
Potassium	766.491	5000	**184.0**	**B**								
Selenium	220.353	5	**2.2**	**B**								
Silver	328.068	10	0.5	U								
Sodium	330.232	5000	**-440.0**	**B**								
Thallium	190.864	10	2.6	U								
Vanadium	292.402	50	**0.7**	**B**								
Zinc	213.856	20	**1.2**	**B**								

5.04.5

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: ICPST **Units:** ug/L

Chart Number: T60701A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB1 7/1/2006 11:33 AM Found	Q	CCB2 7/1/2006 12:41 PM Found	Q	CCB3 7/1/2006 1:46 PM Found	Q	CCB4 7/1/2006 2:52 PM Found	Q	CCB5 7/1/2006 3:57 PM Found	Q
Aluminum	308.215	200	6.3	U	**9.9**	**B**	**22.8**	**B**	**27.7**	**B**	**26.9**	**B**
Antimony	220.353	60	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Arsenic	189.042	10	1.0	U	**1.2**	**B**	1.0	U	1.0	U	1.0	U
Barium	493.409	200	0.2	U	0.2	U	**0.4**	**B**	0.2	U	0.2	U
Beryllium	313.042	5	**0.2**	**B**	0.2	U	0.2	U	**0.3**	**B**	**0.4**	**B**
Cadmium	226.502	5	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Calcium	317.933	5000	11.0	U	11.0	U	11.0	U	11.0	U	11.0	U
Chromium	267.716	10	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Cobalt	228.616	50	0.5	U	**-0.5**	**B**	0.5	U	0.5	U	0.5	U
Copper	324.753	25	**-0.5**	**B**	**-0.5**	**B**	**-0.6**	**B**	**-1.0**	**B**	**-1.2**	**B**
Iron	271.441	100	19.0	U	19.0	U	19.0	U	19.0	U	19.0	U
Lead	220.353	3	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Magnesium	279.078	5000	6.7	U	6.7	U	**9.4**	**B**	6.7	U	6.7	U
Manganese	257.61	15	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel	231.604	40	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Potassium	766.491	5000	**178.0**	**B**	**199.0**	**B**	**204.0**	**B**	**203.0**	**B**	**211.0**	**B**
Selenium	220.353	5	1.6	U	**2.4**	**B**	**2.2**	**B**	1.6	U	1.6	U
Silver	328.068	10	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Sodium	330.232	5000	**-570.0**	**B**	**-500.0**	**B**	**-450.0**	**B**	**-440.0**	**B**	**-400.0**	**B**
Thallium	190.864	10	2.6	U	**2.9**	**B**	**2.7**	**B**	2.6	U	2.6	U
Vanadium	292.402	50	0.7	U	0.7	U	0.7	U	**0.8**	**B**	**0.8**	**B**
Zinc	213.856	20	**1.3**	**B**	**1.3**	**B**	**2.0**	**B**	**1.8**	**B**	**1.2**	**B**

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Continuing Calibration Blank Result

Instrument: ICPST **Units:** ug/L

Chart Number: T60701A.ARC

Standard Source: _____ **Standard ID:** _____

Element	WL/ Mass	Report Limit	CCB6 7/1/2006 5:03 PM Found	Q	CCB7 7/1/2006 6:08 PM Found	Q	CCB8 7/1/2006 7:14 PM Found	Q	CCB9 7/1/2006 8:19 PM Found	Q	CCB10 7/1/2006 9:09 PM Found	Q
Aluminum	308.215	200	**27.5**	**B**	**39.6**	**B**	**34.6**	**B**	**36.9**	**B**	**45.0**	**B**
Antimony	220.353	60	1.9	U	1.9	U	1.9	U	1.9	U	1.9	U
Arsenic	189.042	10	1.0	U	1.0	U	1.0	U	**1.2**	**B**	1.0	U
Barium	493.409	200	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Beryllium	313.042	5	**0.4**	**B**	**0.4**	**B**	**0.5**	**B**	**0.6**	**B**	**0.6**	**B**
Cadmium	226.502	5	0.2	U	**0.2**	**B**	0.2	U	0.2	U	**0.2**	**B**
Calcium	317.933	5000	11.0	U	11.0	U	**-12.0**	**B**	**-11.0**	**B**	11.0	U
Chromium	267.716	10	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
Cobalt	228.616	50	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Copper	324.753	25	**-0.9**	**B**	**-1.3**	**B**	**-1.0**	**B**	**-1.1**	**B**	**-1.1**	**B**
Iron	271.441	100	19.0	U	19.0	U	19.0	U	19.0	U	19.0	U
Lead	220.353	3	1.1	U	1.1	U	1.1	U	1.1	U	1.1	U
Magnesium	279.078	5000	6.7	U	**11.7**	**B**	6.7	U	6.7	U	**8.0**	**B**
Manganese	257.61	15	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
Nickel	231.604	40	1.0	U	1.0	U	1.0	U	1.0	U	1.0	U
Potassium	766.491	5000	**233.0**	**B**	**223.0**	**B**	**222.0**	**B**	**230.0**	**B**	**227.0**	**B**
Selenium	220.353	5	1.6	U	1.6	U	1.6	U	1.6	U	1.6	U
Silver	328.068	10	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U
Sodium	330.232	5000	**-290.0**	**B**	**-460.0**	**B**	**-370.0**	**B**	**-460.0**	**B**	**-510.0**	**B**
Thallium	190.864	10	2.6	U	2.6	U	2.6	U	2.6	U	2.6	U
Vanadium	292.402	50	0.7	U	0.7	U	0.7	U	0.7	U	0.7	U
Zinc	213.856	20	**1.4**	**B**	**1.9**	**B**	**1.6**	**B**	**1.6**	**B**	**1.4**	**B**

5.04.5

U Result is less than the IDL
B Result is between IDL and RL

Form 3 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Matrix Spike Sample Results

Spike Sample ID: H8DT9S

Original Sample ID: H8DT9 **Client ID:** GRSS1S

Matrix: Soil **Units:** mg/kg **Prep Date:** 6/29/2006 **Prep Batch:** 6180029

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 3.595

Element	WL/ Mass	OS Conc	Q	MS Conc	Q	Spike Level	% Rec	OS DF	MS DF	Instr	OS Anal Date	OS Anal Time	MS Anal Date	MS Anal Time
Aluminum	308.2	5450		6190	NC	414.92		1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Antimony	220.4	0.39	U	10.5	B N	20.746	50.5	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Arsenic	189.0	2.9		11.1		8.2983	99.2	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Barium	493.4	22.3	B	418		414.92	95.4	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Beryllium	313.0	0.40	B	10.0		10.373	92.4	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Cadmium	226.5	0.033	U	9.6		10.373	92.6	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Calcium	317.9	602	B	10500		10373	95.6	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Chromium	267.7	6.9		47.8		41.492	98.4	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Cobalt	228.6	5.5	B	103		103.73	94.4	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Copper	324.8	10.2		62.0		51.865	99.8	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Iron	271.4	13000		13800	NC	207.46		1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Lead	220.4	20.1		27.2	NC	4.1492		1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Magnesium	279.1	1970		12000		10373	97.0	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Manganese	257.6	319		423		103.73	100.2	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Nickel	231.6	13.5		111		103.73	94.3	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Potassium	766.5	511	B	10600		10373	97.7	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Selenium	220.4	0.43	B	2.1		2.0746	81.1	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Silver	328.1	0.098	U	10.2		10.373	97.9	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Sodium	330.2	261	B	9950		10373	93.4	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Thallium	190.9	0.62	B	9.6		10.373	86.6	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Vanadium	292.4	6.9	B	105		103.73	94.7	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58
Zinc	213.9	42.9		148		103.73	101.5	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:58

Comments: Lot #: C6F280229 Sample #: 1Color:pre- brown, post- brwon, Texture:pre- medium, pos-t fine.Artifacts. Stones, organic

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

N Spike recovery failed

NC Percent recovery was not calculated

* Duplicate analysis RPD was not within limits

Form 5A Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Post Digest Spike Sample Results

Spike Sample ID: H8DT9A

Original Sample ID: H8DT9 **Client ID:** GRSS1

Matrix: Soil **Units:** mg/kg **Prep Date:** 6/29/2006 **Prep Batch:** 6180029

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 3.595

Element	WL/ Mass	OS Conc	Q	PDS Conc	Q	Spike Level	% Rec	OS DF	PDS DF	Instr	OS Anal Date	OS Anal Time	PDS Anal Date	PDS Anal Time
Antimony	220.4	0.39	UN	4.0	B N	4.1492	97.4	1	1	ICPST	7/1/2006	18:41	7/5/2006	8:58

Comments: Lot #: C6F280229 Sample #: 1 Color:pre- brown, post- brwon. Texture:pre- medium, pos-t fine.Artifacts. Stones, organic

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
N Spike recovery failed
NC Percent recovery was not calculated

Form 5B Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Matrix Spike Sample Results

Spike Sample ID: H8DVGS

Original Sample ID: H8DVG **Client ID:** TW4S

Matrix: Water **Units:** ug/L **Prep Date:** 6/29/2006 **Prep Batch:** 6180031

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	MS Conc	Q	Spike Level	% Rec	OS DF	MS DF	Instr	OS Anal Date	OS Anal Time	MS Anal Date	MS Anal Time
Aluminum	308.2	356		2370		2000	101.0	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Antimony	220.4	1.9	U	107		100	106.9	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Arsenic	189.0	1.6	B	43.5		40	104.7	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Barium	493.4	73.6	B	2120		2000	102.2	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Beryllium	313.0	0.51	B	51.4		50	101.8	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Cadmium	226.5	0.16	U	51.2		50	102.4	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Calcium	317.9	29300		80600		50000	102.6	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Chromium	267.7	0.95	B	205		200	102.1	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Cobalt	228.6	0.62	B	506		500	101.0	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Copper	324.8	0.33	U	262		250	104.9	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Iron	271.4	487		1390		1000	90.3	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Lead	220.4	1.1	U	19.8		20	98.9	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Magnesium	279.1	1860	B	53800		50000	103.9	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Manganese	257.6	26.3		543		500	103.3	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Nickel	231.6	0.98	U	501		500	100.3	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Potassium	766.5	5430		57300		50000	103.7	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Selenium	220.4	1.6	U	13.0	N	10	129.5	1	1	ICPST	7/5/2006	9:20	7/1/2006	20:36
Silver	328.1	0.47	U	51.4		50	102.8	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Sodium	330.2	31100		81800		50000	101.5	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Thallium	190.9	4.8	B	50.6		50	91.7	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Vanadium	292.4	0.72	U	506		500	101.2	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36
Zinc	213.9	8.3	B	532		500	104.8	1	1	ICPST	7/1/2006	19:52	7/1/2006	20:36

Comments: Lot #: C6F280229 Sample #: 7Color:pre- colorless, post- colorless. Clarity:pre- clear, post- clear

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
N Spike recovery failed
NC Percent recovery was not calculated
* Duplicate analysis RPD was not within limits

Form 5A Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Post Digest Spike Sample Results

Spike Sample ID: H8DVGA

Original Sample ID: H8DVG **Client ID:** TW4

Matrix: Water **Units:** ug/L **Prep Date:** 6/29/2006 **Prep Batch:** 6180031

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	PDS Conc	Q	Spike Level	% Rec	OS DF	PDS DF	Instr	OS Anal Date	OS Anal Time	PDS Anal Date	PDS Anal Time
Selenium	220.4	1.6	UN	12.6	N	10	125.8	1	1	ICPST	7/5/2006	9:20	7/5/2006	10:23

Comments: Lot #: C6F280229 Sample #: 7Color:pre- colorless, post- colorless. Clarity:pre- clear, post- clear

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
N Spike recovery failed
NC Percent recovery was not calculated

Form 5B Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Matrix Spike Sample Results

Spike Sample ID: H8DT9S

Original Sample ID: H8DT9 **Client ID:** GRSS1S

Matrix: Soil **Units:** mg/kg **Prep Date:** 7/13/2006 **Prep Batch:** 6194013

Weight: .2 **Volume:** 100 **Percent Moisture:** 3.595

Element	WL/ Mass	OS Conc	Q	MS Conc	Q	Spike Level	% Rec	OS DF	MS DF	Instr	OS Anal Date	OS Anal Time	MS Anal Date	MS Anal Time
Mercury	253.7	0.062	B	1.1	N	0.5	203.1	1	1	CVAA	7/13/2006	8:36	7/13/2006	8:40

Comments: Lot #: C6F280229 Sample #: 1

5.04.5

U Result is less than the IDL
B Result is between IDL and RL
N Spike recovery failed
NC Percent recovery was not calculated
* Duplicate analysis RPD was not within limits

Form 5A Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Sample Duplicate RPD Report

Duplicate Sample ID: H8DT9X

Original Sample ID: H8DT9 **Client ID:** GRSS1X

Matrix: Soil **Units:** mg/kg **Prep Date:** 6/29/2006 **Prep Batch:** 6180029

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 3.595

Element	WL/ Mass	OS Conc	Q	Dupe Conc	Q	% RPD	OS DF	Dupe DF	Instr	OS Anal Date	OS Anal Time	Dupe Anal Date	Dupe Anal Time
Aluminum	308.215	5450		5900		8.0	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Antimony	220.353	0.39	UN	0.39	U		1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Arsenic	189.042	2.9		3.8		27.3	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Barium	493.409	22.3	B	24.0	B	7.0	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Beryllium	313.042	0.40	B	0.42	B	5.0	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Cadmium	226.502	0.033	U	0.033	U		1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Calcium	317.933	602	B	654	B	8.3	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Chromium	267.716	6.9		8.2		16.1	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Cobalt	228.616	5.5	B	5.8	B	6.1	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Copper	324.753	10.2	E	10.9		6.3	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Iron	271.441	13000		13600		4.7	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Lead	220.353	20.1		34.0	*	51.6	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Magnesium	279.078	1970		2100		6.3	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Manganese	257.61	319		323		1.3	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Nickel	231.604	13.5		15.1		11.2	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Potassium	766.491	511	BE	554	B	8.1	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Selenium	220.353	0.43	B	0.33	U	200.0	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Silver	328.068	0.098	U	0.098	U		1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Sodium	330.232	261	B	322	B	21.2	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Thallium	190.864	0.62	B	0.54	U	200.0	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Vanadium	292.402	6.9	B	6.8	B	1.2	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52
Zinc	213.856	42.9		49.8		14.9	1	1	ICPST	7/1/2006	18:41	7/1/2006	18:52

U Result is less than the IDL

B Result is between IDL and RL

* Duplicate analysis RPD was not within limits

Form 6 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Serial Dilution RPD Report

Serial Dilution Sample ID: H8DT9P

Original Sample ID: H8DT9 **Client ID:** GRSS1P

Matrix: Soil **Units:** mg/kg **Prep Date:** 6/29/2006 **Prep Batch:** 6180029

Weight: 1.00 **Volume:** 200 **Percent Moisture:** 3.595

Element	WL/ Mass	OS Conc	Q	Serial Dilution Conc	Q	Percent Diff	OS DF	Ser Dil DF	Instr	OS Anal Date	OS Anal Time	Ser Dil Anal Date	Ser Dil Anal Time
Aluminum	308.215	5450		5520		1.5	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Antimony	220.353	0.39	UN	2.0	U		1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Arsenic	189.042	2.9		2.0	B	30.3	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Barium	493.409	22.3	B	22.3	B	0.0	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Beryllium	313.042	0.40	B	0.75	B	85.6	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Cadmium	226.502	0.033	U	0.17	U		1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Calcium	317.933	602	B	593	B	1.4	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Chromium	267.716	6.9		7.2	B	4.1	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Cobalt	228.616	5.5	B	5.4	B	1.6	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Copper	324.753	10.2		9.2	B E	10.0	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Iron	271.441	13000		13000		0.3	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Lead	220.353	20.1		20.6		2.5	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Magnesium	279.078	1970		1980	B	0.2	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Manganese	257.61	319		319		0.2	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Nickel	231.604	13.5		13.8	B	1.7	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Potassium	766.491	511	B	638	B E	24.9	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Selenium	220.353	0.43	B	1.7	U	100.0	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Silver	328.068	0.098	U	0.49	U		1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Sodium	330.232	261	B	180	U	100.0	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Thallium	190.864	0.62	B	2.7	U	100.0	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Vanadium	292.402	6.9	B	6.8	B	1.0	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47
Zinc	213.856	42.9		46.2		7.7	1	5	ICPST	7/1/2006	18:41	7/1/2006	18:47

Comments: Lot #: C6F280229 Sample #: 1 Color:pre- brown, post- brwon. Texture:pre- medium, pos-t fine.Artifacts. Stones, organ

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 9 Equivalent

STL-Pittsburgh

Metals Data Reporting Form

Serial Dilution RPD Report

Serial Dilution Sample ID: H8DVGP

Original Sample ID: H8DVG **Client ID:** TW4P

Matrix: Water **Units:** ug/L **Prep Date:** 6/29/2006 **Prep Batch:** 6180031

Weight: NA **Volume:** 50 **Percent Moisture:** NA

Element	WL/ Mass	OS Conc	Q	Serial Dilution Conc	Q	Percent Diff	OS DF	Ser Dil DF	Instr	OS Anal Date	OS Anal Time	Ser Dil Anal Date	Ser Dil Anal Time
Aluminum	308.215	356		500	B E	40.7	1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Antimony	220.353	1.9	U	9.5	U		1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Arsenic	189.042	1.6	B	5.0	U	100.0	1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Barium	493.409	73.6	B	73.0	B	0.9	1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Beryllium	313.042	0.51	B	2.6	B	400.0	1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Cadmium	226.502	0.16	U	0.80	U		1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Calcium	317.933	29300		28800		1.8	1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Chromium	267.716	0.95	B	2.2	U	100.0	1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Cobalt	228.616	0.62	B	2.4	U	100.0	1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Copper	324.753	0.33	U	1.6	U		1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Iron	271.441	487		414	B	15.1	1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Lead	220.353	1.1	U	5.5	U		1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Magnesium	279.078	1860	B	1810	B	2.6	1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Manganese	257.61	26.3		25.6	B	2.6	1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Nickel	231.604	0.98	U	4.9	U		1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Potassium	766.491	5430		5900	B	8.6	1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Selenium	220.353	1.6	UN	8.0	U		1	5	ICPST	7/5/2006	9:20	7/1/2006	20:25
Silver	328.068	0.47	U	2.4	U		1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Sodium	330.232	31100		31700		1.8	1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Thallium	190.864	4.8	B	13.0	U	100.0	1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Vanadium	292.402	0.72	U	3.6	U		1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25
Zinc	213.856	8.3	B	26.4	B	218.3	1	5	ICPST	7/1/2006	19:52	7/1/2006	20:25

Comments: Lot #: C6F280229 Sample #: 7Color:pre- colorless, post- colorless. Clarity:pre- clear, post- clear

5.04.5

U Result is less than the IDL

B Result is between IDL and RL

E Serial dilution percent difference not within limits

Form 9 Equivalent

RETEC, Port Jervis MGP

Total Cyanide

Lab Name: STL PITTSBURGH
Client Name: The RETEC Group, Inc.
Matrix: SOLID

Method: ICLP ILM04.0/4.1
Report ID: C6F280229
Date/Time Received: 6/28/2006 9:10:00AM

Client Sample ID	Sample Number	Workorder	Result	Units	Reporting Limit	Prep/ Analysis Date	QC Batch	RPD / Limit (%)
GRSS1	001 DUP	H8DT91DV	0.20 B	mg/kg	0.52	7/7/2006 - 7/10/2006	6188304	18 / 40
TW5 DUP	008 DUP	H8DVJ1A7	ND	ug/L	10.0	7/7/2006 - 7/10/2006	6188305	1.5 / 20
BLK - C6G070000304B	304 MB	H8TME1AA	0.10 B	mg/kg	0.50	7/7/2006 - 7/10/2006	6188304	
BLK - C6G070000305B	305 MB	H8TMF1AA	ND	ug/L	10.0	7/7/2006 - 7/10/2006	6188305	

Data Usability Summary Report

DATE: August 10, 2006

TO: Mr. Scott Hauswirth
The RETEC Group, Inc.
1001 West Seneca Street, Suite 204
Ithaca, NY 14850

FROM: Gregory A. Malzone
Data Validator

SUBJECT: Orange and Rockland – Port Jervis
June 2006 Air Sampling Event

Data Validation:

Air Toxics Ltd. Work Orders: 0606679AR1
0606679B

Overview

The following air and soil gas samples were collected at the Port Jervis (28 Pike Street) site on June 26, 2006 and were analyzed by Air Toxics Ltd., 180 Blue Ravine Road, Suite B, Folsom, CA95630 in work order (WO) 0606679A/B.

Air Toxics LTD., 180 Blue Ravine Road, Suite B, Folsom, CA, 95630 analyzed the air samples for Volatile Organic Compounds (VOCs) using USEPA Compendium Method TO-15 and modified ASTM D1945 for helium as indicated below.

GRIA4	GRAMBUP	GRIA3	GRIA3DUP	GRSG4[1]	GRSG3[1]

Sample GRIA3DUP is the field duplicate of GRIA3.

[1] Sample was submitted for helium analysis using modified method ASTM D1945.

Summary

Data quality for this organic analysis was evaluated by reviewing the following parameters: holding times, GC/MS tuning and performance, internal standards, initial and continuing calibrations, continuing calibration verifications (CCVs), surrogate recoveries, laboratory control standards (LCS), laboratory blanks, field duplicates, compound identification, and compound quantitation.

The Form 1s attached as Appendix A were revised to include the data validation qualifiers. All USEPA-defined data qualifiers and changes made by the data validator were added in red ink. A glossary of data qualifier definitions is included as Attachment 1.

All samples were analyzed successfully and the results are useable with some qualification. Completeness of 100% was achieved for this data set.

Each specific issue of concern with respect to data usability is addressed below. Support documentation for data qualifications was included in Appendix B. Specific page references are provided in each item header for the supporting documentation.

WO 0606679A

Volatile Organic Compounds

a. Calibrations (pp. 0242-0252, 0259, 0375-0378, 0389): The initial calibration relative standard deviations (RSDs) for chloroethane, isopentane, and 2-butanone were greater than the 30% specification limit on 07-12-06 on instrument msd7.i. All samples were affected. All results for chloroethane were nondetect. Therefore, validation action was not required. All results reported for isopentane and the 2-butanone results for samples GRSG3 and GRSG4 were positive and were qualified "J," as estimated concentrations. The direction of bias cannot be determined.

b. Laboratory Control Sample Recoveries (pp. 0394-0397): The percent recovery (%R) for chloroethane was less than the lower quality control limit of 70% and the %Rs for 1,2,4-trichlorobenzene and naphthalene were greater than the upper quality control limits of 130% for LCS 0606679A-09A. An LCS %R outside of the quality control limits is an indication of poor laboratory and/or method accuracy. All samples were affected. All chloroethane results were nondetect and were qualified as estimates, "UJ," because of low bias. The results reported for 1,2,4-trichlorobenzene and naphthalene were nondetect. Therefore, validation action was not

required in response to the high method bias.

c. Field Duplicates (pp. 0059-0061, 0081-0083): Samples GRIA3 and GRIA3DUP were the primary and field duplicate samples collected for this sampling event. The positive results are presented in the table below to evaluate precision and sample homogeneity. An RPD greater than the advisory limit of 25% is an indication of poor field and/or laboratory precision or sample heterogeneity with respect to that compound.

Field Duplicate Comparison
Orange and Rockland, Port Jervis

Analyte	GRIA3 (ppbv)	GRIA3DUP (ppbv)	RPD (%)	Qualifications
Benzene	15	12	22	
Toluene	9.2 J^1	12 J^1	26	J/J
m,p-Xylene	2.5	3.0	18	
Acetone	35	29	19	
Hexane	22	22	0	
Ethanol	860	800	7	
Heptane	13	14 U	NC	±RL None
2-Methylpentane	20	20	0	
Isopentane	120 J^2	130 J^2	8	

J^1: Result was qualified as an estimated concentration because the RPD between the original and field duplicate sample exceeded the maximum advisory limit of 25% RPD.

J^2: Result was qualified as an estimated concentration due to an initial calibration nonconformance.

WO 0606679B

Helium Analysis

No data quality issues were noted. No data qualifications were required.

Notes

The sampler did not sign and date the chain-of-custody record to indicate the samples were relinquished from the field.

The original report was revised to: 1) report estimated concentrations for methyl tert-butyl ether that were below the reporting limit but greater than the method detection limit, 2) remove the incorrectly reported TIC result for cyclohexane for sample GRIA3DUP, and 3) report the correct percent recoveries from the continuing calibration verification standard analysis. The report was reissued as 0606679AR1.

Tentatively Identified Compounds (TICs) were identified by the laboratory and are included on the Form 1s.

The data were reviewed according to USEPA *Compendium Method TO-15, Determination of VOCs in Air Collected in Specially Prepared-Canisters and Analyzed by Gas Chromatography / Mass Spectrometry (GC/MS)*, January 1999, and with reference to *USEPA Contract Laboratory Program National Functional*

Guidelines for Organic Data Review, October 1999, document number EPA540/R-99/008.

Attachments

1. Glossary of EPA-defined data qualifier codes.

Appendices

1. Appendix A – Data Summary
2. Appendix B – Support Documentation

Attachment 1 of 1

Glossary of Data Qualifier Codes

GLOSSARY OF DATA QUALIFIER CODES

U	-	The analyte was analyzed for, but was not detected above the level of the reported samples quantitation limit.
UJ	-	The analyte was analyzed for, but was not detected. The reported quantitation limit is approximated and may be inaccurate or imprecise.
J	-	The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
N	-	Tentative identification. Consider present. Special methods may be needed to confirm its presence or absence in future sampling events.
NJ	-	Qualitative identification, questionable due to poor resolution. Presumptively present at approximate quantity.
R	-	The data are unusable. The sample results are rejected due to serious deficiencies in the ability to meet quality control criteria. The presence or absence of the analyte cannot be verified.

Appendix A

Data Summary Tables

Appendix B

Support Documentation

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0606679AR1

Work Order Summary

CLIENT:	Mr. Scott Hauswirth The RETEC Group, Inc. 1001 W. Seneca St. Suite 204 Ithaca, NY 14850	**BILL TO:**	Mr. Scott Hauswirth The RETEC Group, Inc. 1001 W. Seneca St. Suite 204 Ithaca, NY 14850
PHONE:	607-277-5716	**P.O. #**	
FAX:		**PROJECT #**	ORAN2-19643-200 Port Jervis SI-28 Pike St.
DATE RECEIVED:	06/29/2006	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	07/14/2006		
DATE REISSUED:	08/07/2006		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	GRIA4	Modified TO-15	4.5 "Hg
02A	GRAMBUP	Modified TO-15	3.5 "Hg
03A	GRIA3	Modified TO-15	6.0 "Hg
04A	GRIA3DUP	Modified TO-15	1.0 "Hg
05A	GRSG4	Modified TO-15	5.0 "Hg
05AA	GRSG4 Duplicate	Modified TO-15	5.0 "Hg
06A	GRSG3	Modified TO-15	3.5 "Hg
07A	Lab Blank	Modified TO-15	NA
08A	CCV	Modified TO-15	NA
09A	LCS	Modified TO-15	NA

CERTIFIED BY: Linda A. Truman DATE: 08/08/06

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/06, Expiration date: 06/30/07
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
The RETEC Group, Inc.
Workorder# 0606679AR1

Six 6 Liter Summa Special (100% Certified) samples were received on June 29, 2006. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 1.0 liter of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

Method modifications taken to run these samples are summarized in the below table. Specific project requirements may over-ride the ATL modifications.

Requirement	*TO-15*	*ATL Modifications*
ICAL %RSD acceptance criteria	+- 30% RSD with 2 compounds allowed out to < 40% RSD	30% RSD with 4 compounds allowed out to < 40% RSD
Daily Calibration	+- 30% Difference	</= 30% Difference with four allowed out up to </=40%.; flag and narrate outliers
Blank and standards	Zero air	Nitrogen
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request

Receiving Notes

The Chain of Custody was not relinquished properly. The discrepancy was noted in the Sample Receipt Confirmation email/fax.

Analytical Notes

The reported CCV for each daily batch may be derived from more than one analytical file due to the client's request for non-standard compounds.

Non-standard compounds may have different acceptance criteria than the standard TO-14A/TO-15 compound list as per contract or verbal agreement.

The reported LCS for each daily batch has been derived from more than one analytical file.

THE WORK ORDER WAS RE-ISSUED ON 8/7/06 FOR THE FOLLOWING:

1) TO REPORT ESTIMATED VALUES FOR METHYL TERT-BUTYL ETHER RESULTS THAT

ARE BELOW THE REPORTING LIMIT BUT GREATER THAN THE METHOD DETECTION LIMIT IN SAMPLES GRIA3, GRIA3DUP, GRSG4 AND GRSG4 DUPLICATE. CONCENTRATIONS THAT ARE BELOW THE LEVEL AT WHICH THE CANISTER WAS CERTIFIED MAY BE FALSE POSITIVES.

2) TO REMOVE THE INCORRECTLY REPORTED RESULT FOR CYCLOHEXANE AS A TENTATIVELY IDENTIFIED COMPOUND (TIC) IN SAMPLE GRIA3DUP.

3) TO REPORT THE CORRECT CCV FILE.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

Sample Discrepancy Report

If Section III or IV is filled out CSR must be notified within 24 hrs of initiation

Initiated By: SR Date: 6/30 Given To: _____ ☐ File to folder

Sections I – II/III/IV must be filled out by person initiating this Sample Discrepancy Report

I. **Workorder(s) affected:** 0606679

Sample(s) affected: All

II. **Sample Receipt Discrepancies** (*Document on Cover Page of Sample Receipt Confirmation and in Receiving Notes of Lab Narrative*)

- ☒ COC improperly relinquished / received
- ☐ COC was not filled out in ink
- ☐ Sample tags / labels do not match the COC
- ☐ Samples received at wrong temperature (≠ 4±2 °C), Ice / blue ice (circle one) was present. A temp. blank was / was *not* present (circle one).
- ☐ Sample container (Tube/VOA vial) was received broken, *however* sample was intact.
- ☐ Flow controller used - canister samples received at ambient or under pressure
- ☐ No brass cap on canister (*do not narrate*)
- ☐ VOA vial for RSK-175 analysis received with headspace bubble <5mm (*do not narrate*)
- ☐ Other (describe below)

Describe the Discrepancy: _____

Initials: _____ **Date:** _____

III. **Sample Receipt Discrepancies requiring CSR notification** (*document on Cover Page of Sample Receipt Confirmation and in Receiving Notes of Lab Narrative*)

- ☐ COC was not received with samples
- ☐ Analysis method(s) is not specified / incorrectly specified (circle one) on the COC
- ☐ Number of samples on the COC does not match the number of samples that were received
- ☐ Samples were received expired
- ☐ Sampling date / time is not documented for *some* / *any* samples (circle one)
- ☐ Samples received at wrong temperature, no coolant present / coolant melted (circle one)
- ☐ Sample container (Tube/VOA vial/DNPH Bottle, etc.) was received broken / leaking (circle one)
- ☐ VOA vial for RSK-175 analysis received with headspace bubble >5mm
- ☐ Samples for RSK-175 CO_2 analysis received preserved with HCl
- ☐ Tedlar Bag received leaking / flat (circle one). Sample can / cannot (circle one) be analyzed.
- ☐ Canister leaked to ambient during pressurization
- ☐ Tedlar bag / canister received emitting a strong odor, sample can / cannot (circle one) be analyzed
- ☐ Canister sample received at >15 "Hg (*not* identified as a Trip/Field Blank)
- ☐ Trip Blank received at low vacuum (<25 "Hg)
- ☐ Tedlar Bag for Sulfur analysis has metal fitting
- ☐ Incorrect sampling media / container for analysis requested
- ☐ Custody Seal on the outside of the container was broken / improperly placed (circle one)
- ☐ Other (describe below)

Describe the Discrepancy: _____

Initials: _____ **Date:** _____

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-JUL-2006 13:27
End Cal Date : 13-JUL-2006 19:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-13jul.b/t141712a.m
Cal Date : 14-Jul-2006 10:41 jgray
Curve Type : Average

Calibration File Names:
Level 1: /chem/msd7.i/7-12jul.b/7071203.d
Level 2: /chem/msd7.i/7-13jul.b/7071303.d
Level 3: /chem/msd7.i/7-13jul.b/7071306.d
Level 4: /chem/msd7.i/7-13jul.b/7071307.d
Level 5: /chem/msd7.i/7-13jul.b/7071308.d
Level 6: /chem/msd7.i/7-13jul.b/7071309.d
Level 7: /chem/msd7.i/7-13jul.b/7071310.d

Compound	0.05000 Level 1	0.10000 Level 2	0.50000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	40.000 Level 7	RRF	% RSD
1 Propylene	+++++	+++++	2.32272	2.01962	2.06716	1.92185	1.93094	2.05246	7.938
169 Methylcyclohexane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
168 1,2-Dibromo-3-chloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
167 Freon 134a	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
2 Freon 152A	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
3 Dichlorodifluoromethane/Fr12	+++++	5.95838	5.94297	5.77312	6.05864	5.68780	5.59469	5.83593	3.066
4 Freon 114	+++++	3.86061	3.96877	3.81277	3.90876	3.64847	3.53600	3.78923	4.354

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-JUL-2006 13:27
End Cal Date : 13-JUL-2006 19:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-13jul.b/t141712a.m
Cal Date : 14-Jul-2006 10:41 jgray
Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.50000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	40.000 Level 7	RRF	% RSD	
5 Chloromethane	+++++	2.69967	2.33001	2.00686	2.00273	1.85357	1.80863	2.11691	16.013	
6 Vinyl Chloride	+++++	2.20901	2.14435	2.07607	2.12735	2.07568	2.04134	2.11230	2.864	
7 Freon 22	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
8 1,3-Butadiene	+++++	1.61034	1.52987	1.48037	1.61907	1.57355	1.55156	1.56079	3.332	
9 Bromomethane	+++++	1.72320	1.51219	1.37851	1.32653	1.23707	1.19742	1.39582	13.980	
10 Chloroethane	+++++	1.21392	1.11002	0.95096	1.35733	0.53428	0.52241	0.94815	37.044	<-
11 Isopentane	+++++	+++++	1.36726	1.27986	1.40027	1.50600	0.48915	1.20851	33.942	
12 Vinyl Bromide	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
13 Trichlorofluoromethane/Fr11	+++++	5.49117	5.48640	5.65635	5.91272	5.77833	5.73124	5.67604	2.949	
14 Acrolein	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-JUL-2006 13:27
End Cal Date : 13-JUL-2006 19:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-13jul.b/t141712a.m
Cal Date : 14-Jul-2006 10:41 jgray
Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.50000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	40.000 Level 7	___ RRF	% RSD
15 Ethanol	+++++	+++++	0.64533	0.64730	0.73410	0.80877	0.83658	0.73441	12.082
16 Pentane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
17 1,1-Dichloroethene	+++++	1.18278	1.22921	1.14105	1.24255	1.19197	1.16712	1.19245	3.191
18 Freon 113	+++++	2.94966	3.06528	3.00426	3.14917	3.00523	2.88302	3.00944	3.054
19 Acetone	+++++	+++++	3.47264	3.19965	3.50174	3.30186	3.35757	3.36669	3.688
20 Carbon Disulfide	+++++	+++++	4.61778	4.68796	4.90873	4.86711	4.88917	4.79415	2.757
21 2-Propanol	+++++	+++++	2.53705	2.74197	3.15906	3.42581	3.58268	3.08931	14.359
22 3-Chloropropene	+++++	0.66622	0.92218	0.85974	1.03976	1.06018	1.08664	0.93912	17.011
23 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
24 2-Methylpentane	+++++	+++++	1.50351	1.38764	1.48696	1.56349	1.54776	1.49787	4.613

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-JUL-2006 13:27
End Cal Date : 13-JUL-2006 19:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-13jul.b/t141712a.m
Cal Date : 14-Jul-2006 10:41 jgray
Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.50000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	40.000 Level 7	___ RRF	% RSD	
163 tert-Butyl alcohol	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
25 Methylene Chloride	+++++	2.24056	1.71344	1.63629	1.68899	1.66544	1.67065	1.76923	13.131	
26 MTBE	+++++	4.01351	4.80629	4.94130	5.38087	5.48273	5.58958	5.03571	11.688	
27 trans-1,2-Dichloroethene	+++++	0.92066	1.06694	1.09922	1.13854	1.11581	1.09853	1.07328	7.302	
28 Acrylonitrile	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
29 Hexane	+++++	2.61109	2.80988	2.81613	2.96166	3.00606	3.03392	2.87312	5.553	
164 Isopropyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	
30 1,1-Dichloroethane	+++++	3.37520	3.44607	3.40098	3.55469	3.56419	3.62609	3.49454	2.893	
31 Vinyl Acetate	+++++	+++++	0.38230	0.75200	1.33269	1.66264	2.54293	1.33451	62.850	<-
32 Chloroprene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-JUL-2006 13:27
End Cal Date : 13-JUL-2006 19:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-13jul.b/t141712a.m
Cal Date : 14-Jul-2006 10:41 jgray
Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.50000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	___ RRF	% RSD
	40.000 Level 7							
165 Ethyl-tert-butyl ether	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
34 2-Butanone	+++++	0.28922	0.69185	0.75545	0.88625	0.92372		
	0.94410						0.74843	32.844 <-
33 cis-1,2-Dichloroethene	+++++	1.10835	1.17163	1.21160	1.28642	1.28483		
	1.26878						1.22194	5.884
162 Ethyl Acetate	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
35 Tetrahydrofuran	+++++	+++++	2.43772	2.16135	2.27112	2.29253		
	2.33422						2.29939	4.363
37 Chloroform	+++++	3.74168	3.91722	3.81539	3.99193	3.93043		
	3.90667						3.88389	2.314
40 2,3-Dimethylpentane	+++++	+++++	0.27906	0.25841	0.27528	0.28734		
	0.27761						0.27554	3.846
38 Cyclohexane	+++++	2.30569	2.19398	2.29629	2.40835	2.39809		
	2.37161						2.32900	3.474
39 1,1,1-Trichloroethane	+++++	4.02807	4.27446	4.28335	4.53744	4.47547		
	4.41967						4.33641	4.232
41 Carbon Tetrachloride	+++++	3.45974	3.50324	3.80927	4.39376	4.35373		
	4.40971						3.98824	11.337

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-JUL-2006 13:27
End Cal Date : 13-JUL-2006 19:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-13jul.b/t141712a.m
Cal Date : 14-Jul-2006 10:41 jgray
Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.50000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	40.000 Level 7	___ RRF	% RSD
43 2,2,4-Trimethylpentane	+++++	3.27933	3.46040	3.56500	3.72703	3.68456	3.56418	3.54675	4.565
44 Benzene	+++++	1.78513	1.31230	1.23741	1.24672	1.18727	1.10576	1.31243	18.406
166 tert-Amyl methyl ether	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
45 1,2-Dichloroethane	+++++	0.56526	0.64268	0.60854	0.65449	0.63668	0.62309	0.62179	5.137
46 Heptane	+++++	0.73098	0.70803	0.72105	0.75534	0.74583	0.71557	0.72947	2.500
47 Thiophene	+++++	+++++	0.78361	0.73812	0.78523	0.82108	0.78548	0.78270	3.766
49 Trichloroethene	+++++	0.56374	0.50206	0.52226	0.53926	0.51748	0.48882	0.52227	5.109
50 1,2-Dichloropropane	+++++	0.35939	0.41257	0.40801	0.43281	0.42664	0.42009	0.40992	6.427
51 1,4-Dioxane	+++++	0.16652	0.22203	0.25951	0.28810	0.28493	0.28120	0.25038	19.142
52 Bromodichloromethane	+++++	0.67963	0.77303	0.81559	0.91794	0.89372	0.86679	0.82445	10.716

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-JUL-2006 13:27
End Cal Date : 13-JUL-2006 19:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-13jul.b/t141712a.m
Cal Date : 14-Jul-2006 10:41 jgray
Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.50000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	RRF	% RSD
	40.000 Level 7							
53 cis-1,3-Dichloropropene	+++++	0.47394	0.55787	0.59494	0.67697	0.69816		
	0.69143						0.61555	14.560
54 4-Methyl-2-pentanone	+++++	0.62355	0.72167	0.87487	1.04248	1.04869		
	1.02245						0.88895	20.468
56 Toluene	+++++	1.45707	1.36166	1.34756	1.42862	1.38441		
	1.30677						1.38101	3.975
57 trans-1,3-Dichloropropene	+++++	0.54216	0.56835	0.68388	0.83336	0.84199		
	0.86474						0.72241	20.019
58 1,1,2-Trichloroethane	+++++	0.50682	0.55625	0.53328	0.58779	0.57615		
	0.56440						0.55412	5.354
59 Tetrachloroethene	+++++	0.64905	0.65519	0.70051	0.73446	0.69102		
	0.65110						0.68022	5.057
60 2-Hexanone	+++++	+++++	0.37027	0.46996	0.60277	0.62770		
	0.64276						0.54269	21.777
61 Dibromochloromethane	+++++	0.65840	0.68486	0.80761	0.94560	0.93604		
	0.90848						0.82350	15.506
62 1,2-Dibromoethane	+++++	0.61991	0.77253	0.83236	0.91994	0.89287		
	0.87154						0.81819	13.431
63 Octane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-JUL-2006 13:27
End Cal Date : 13-JUL-2006 19:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-13jul.b/t141712a.m
Cal Date : 14-Jul-2006 10:41 jgray
Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.50000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	RRF	% RSD
	40.000 Level 7							
65 Chlorobenzene	+++++	1.30115	1.26931	1.29072	1.32744	1.29698		
	1.24107						1.28778	2.295
66 Ethyl Benzene	+++++	0.61469	0.66537	0.69866	0.74090	0.71871		
	0.68945						0.68796	6.417
67 m,p-Xylene	0.78493	0.76692	0.80579	0.85672	0.87357	0.83140		
	0.76578						0.81216	5.297
68 o-Xylene	+++++	0.78997	0.77501	0.81393	0.85246	0.81164		
	0.76448						0.80125	3.970
69 Styrene	+++++	0.90360	1.04119	1.18643	1.32477	1.28988		
	1.22758						1.16224	13.826
70 Bromoform	+++++	0.52737	0.55470	0.66510	0.78464	0.76301		
	0.74030						0.67252	16.337
71 Cumene	+++++	2.70538	2.83910	3.05107	3.15318	2.98754		
	2.78044						2.91945	5.897
72 1,3-Dichloropropane	+++++	+++++	+++++	+++++	+++++	+++++		
	+++++						+++++	+++++
74 1,1,2,2-Tetrachloroethane	+++++	0.97809	1.10105	1.17416	1.20148	1.15301		
	1.15329						1.12685	7.098
75 Propylbenzene	+++++	3.47882	3.50442	3.75203	3.86185	3.63544		
	3.38353						3.60268	5.020

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-JUL-2006 13:27
End Cal Date : 13-JUL-2006 19:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-13jul.b/t141712a.m
Cal Date : 14-Jul-2006 10:41 jgray
Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.50000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	40.000 Level 7	___ RRF	% RSD
76 1,2,3-Trichloropropane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
77 4-Ethyltoluene	+++++	2.69146	2.83346	2.97147	3.14651	2.98646	2.79776	2.90452	5.586
78 1,3,5-Trimethylbenzene	+++++	2.06470	2.15857	2.29669	2.37509	2.26484	2.16847	2.22139	5.032
79 Dibromomethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
80 tert-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
81 1,2,4-Trimethylbenzene	+++++	1.85364	2.08035	2.24348	2.36244	2.27050	2.16944	2.16331	8.279
82 sec-Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
83 p-Cymene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
84 1,3-Dichlorobenzene	+++++	1.26070	1.44749	1.45576	1.44955	1.38373	1.29815	1.38256	6.141
85 1,4-Dichlorobenzene	+++++	1.22514	1.35512	1.44487	1.47678	1.40550	1.32066	1.37134	6.675

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-JUL-2006 13:27
End Cal Date : 13-JUL-2006 19:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-13jul.b/t141712a.m
Cal Date : 14-Jul-2006 10:41 jgray
Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.50000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	40.000 Level 7	___ RRF	% RSD
86 alpha-chlorotoluene	+++++	1.49840	1.94774	2.28375	2.60724	2.57110	2.54459	2.24213	19.690
87 Indan	+++++	+++++	3.13799	2.73955	2.65962	2.55442	2.49989	2.71829	9.281
88 Butylbenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
89 1,2-Dichlorobenzene	+++++	1.10183	1.42258	1.44216	1.42373	1.36723	1.28176	1.33988	9.738
90 Indene	+++++	+++++	1.09711	1.38412	1.65401	1.69934	1.74478	1.51587	18.002
91 Hexachloroethane	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
92 1,3,5-Trichlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
93 1,2,4-Trichlorobenzene	+++++	+++++	0.63750	0.73157	0.40470	0.76691	0.68567	0.64527	22.163
94 Hexachlorobutadiene	+++++	+++++	0.60315	0.64145	0.39307	0.58931	0.52132	0.54966	17.775
95 Naphthalene	+++++	+++++	2.39501	2.60458	1.40921	2.84672	2.60170	2.37144	23.664

Air Toxics Ltd.

INITIAL CALIBRATION DATA

Start Cal Date : 12-JUL-2006 13:27
End Cal Date : 13-JUL-2006 19:24
Quant Method : ISTD
Origin : Disabled
Target Version : 3.50
Integrator : HP RTE
Method file : /chem/msd7.i/7-13jul.b/t141712a.m
Cal Date : 14-Jul-2006 10:41 jgray
Curve Type : Average

Compound	0.05000 Level 1	0.10000 Level 2	0.50000 Level 3	2.000 Level 4	10.000 Level 5	20.000 Level 6	40.000 Level 7	RRF	% RSD
$ 42 1,2-Dichloroethane-d4	1.79552	1.77648	1.83520	1.80176	1.84990	1.87570	1.94361	1.83974	3.107
$ 55 Toluene-d8	0.92870	0.94752	0.94850	0.95673	0.97858	0.98245	0.98493	0.96106	2.224
$ 73 Bromofluorobenzene	0.58571	0.54436	0.55663	0.56373	0.56350	0.54662	0.53602	0.55665	2.951

Initial Calibration Narrative t14l712a

A seven-point initial calibration was analyzed on MSD-7 on 7/12/06 and 7/13/06. As noted on the accompanying analytical run logs, levels 2-4 were re-analyzed with a new standard due to an error in preparing the original standard used for those levels.

A five-point initial calibration was also performed on MSD-7 on 7/13/06 for the Retec specials.

@ AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0606679AR1-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7071315r1**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/13/06 11:37 PM**	

Compound	%Recovery
Freon 12	102
Freon 114	101
Chloromethane	96
Vinyl Chloride	103
Bromomethane	96
Chloroethane	114
Freon 11	102
1,1-Dichloroethene	102
Freon 113	103
Methylene Chloride	96
1,1-Dichloroethane	102
cis-1,2-Dichloroethene	107
Chloroform	103
1,1,1-Trichloroethane	104
Carbon Tetrachloride	108
Benzene	96
1,2-Dichloroethane	104
Trichloroethene	102
1,2-Dichloropropane	106
cis-1,3-Dichloropropene	113
Toluene	103
trans-1,3-Dichloropropene	116
1,1,2-Trichloroethane	108
Tetrachloroethene	107
1,2-Dibromoethane (EDB)	113
Chlorobenzene	104
Ethyl Benzene	107
m,p-Xylene	108
o-Xylene	106
Styrene	114
1,1,2,2-Tetrachloroethane	107
1,3,5-Trimethylbenzene	107
1,2,4-Trimethylbenzene	110
1,3-Dichlorobenzene	106
1,4-Dichlorobenzene	108
alpha-Chlorotoluene	116
1,2-Dichlorobenzene	107
1,2,4-Trichlorobenzene	126
Hexachlorobutadiene	117
Propylene	100

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0606679AR1-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7071315r1	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 7/13/06 11:37 PM	

Compound	%Recovery
1,3-Butadiene	102
Acetone	98
Carbon Disulfide	102
trans-1,2-Dichloroethene	106
2-Butanone (Methyl Ethyl Ketone)	121
Hexane	104
Tetrahydrofuran	99
Cyclohexane	105
1,4-Dioxane	117
Bromodichloromethane	111
4-Methyl-2-pentanone	119
2-Hexanone	113
Dibromochloromethane	115
Bromoform	114
4-Ethyltoluene	108
Ethanol	105
Methyl tert-butyl ether	108
Heptane	105
Naphthalene	127
2-Methylpentane	99
Isopentane	116
2,3-Dimethylpentane	100
2,2,4-Trimethylpentane	105
Indene	109
Indan	98
Thiophene	100
2-Propanol	107

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	97	70-130
Toluene-d8	100	70-130

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd7.i Injection Date: 13-JUL-2006 23:37
Lab File ID: 7071315.d Init. Cal. Date(s): 12-JUL-2006 13-JUL-2006
Analysis Type: AIR Init. Cal. Times: 13:27 19:24
Lab Sample ID: CCV Quant Type: ISTD
Method: /chem/msd7.i/7-13jul.b/t141712a.m

COMPOUND	RRF / AMOUNT	RF10	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 42 1,2-Dichloroethane-d4	1.83974	1.80658	0.010	1.80257	30.00000	Averaged
$ 55 Toluene-d8	0.96106	0.96388	0.010	-0.29330	30.00000	Averaged
$ 73 Bromofluorobenzene	0.55665	0.53988	0.010	3.01292	30.00000	Averaged
1 Propylene	2.05246	2.04592	0.010	0.31851	30.00000	Averaged
3 Dichlorodifluoromethane/Fr1	5.83593	5.95574	0.010	-2.05290	30.00000	Averaged
4 Freon 114	3.78923	3.84107	0.010	-1.36804	30.00000	Averaged
5 Chloromethane	2.11691	2.03509	0.010	3.86495	30.00000	Averaged
6 Vinyl Chloride	2.11230	2.17748	0.010	-3.08554	30.00000	Averaged
8 1,3-Butadiene	1.56079	1.59422	0.010	-2.14168	30.00000	Averaged
9 Bromomethane	1.39582	1.34601	0.010	3.56826	30.00000	Averaged
10 Chloroethane	0.94815	1.07987	0.010	-13.89180	30.00000	Averaged
13 Trichlorofluoromethane/Fr11	5.67604	5.79260	0.010	-2.05367	30.00000	Averaged
15 Ethanol	0.73441	0.77461	0.010	-5.47360	30.00000	Averaged
18 Freon 113	3.00944	3.09804	0.010	-2.94432	30.00000	Averaged
17 1,1-Dichloroethene	1.19245	1.22219	0.010	-2.49394	30.00000	Averaged
19 Acetone	3.36669	3.31825	0.010	1.43872	30.00000	Averaged
21 2-Propanol	3.08931	3.31733	0.010	-7.38085	30.00000	Averaged
20 Carbon Disulfide	4.79415	4.90931	0.010	-2.40212	30.00000	Averaged
22 3-Chloropropene	0.93912	1.03277	0.010	-9.97198	30.00000	Averaged
25 Methylene Chloride	1.76923	1.69163	0.010	4.38580	30.00000	Averaged
26 MTBE	5.03571	5.45140	0.010	-8.25485	30.00000	Averaged
27 trans-1,2-Dichloroethene	1.07328	1.14304	0.010	-6.49915	30.00000	Averaged
29 Hexane	2.87312	2.97665	0.010	-3.60340	30.00000	Averaged
30 1,1-Dichloroethane	3.49454	3.57788	0.010	-2.38486	30.00000	Averaged
34 2-Butanone	0.74843	0.90502	0.010	-20.92181	30.00000	Averaged
33 cis-1,2-Dichloroethene	1.22194	1.30753	0.010	-7.00511	30.00000	Averaged
35 Tetrahydrofuran	2.29939	2.27785	0.010	0.93660	30.00000	Averaged
37 Chloroform	3.88389	3.98800	0.010	-2.68057	30.00000	Averaged
39 1,1,1-Trichloroethane	4.33641	4.52992	0.010	-4.46250	30.00000	Averaged
38 Cyclohexane	2.32900	2.44138	0.010	-4.82509	30.00000	Averaged
41 Carbon Tetrachloride	3.98824	4.29420	0.010	-7.67151	30.00000	Averaged
43 2,2,4-Trimethylpentane	3.54675	3.72326	0.010	-4.97661	40.00000	Averaged
44 Benzene	1.31243	1.25395	0.010	4.45621	30.00000	Averaged
45 1,2-Dichloroethane	0.62179	0.64770	0.010	-4.16769	30.00000	Averaged
46 Heptane	0.72947	0.76335	0.010	-4.64454	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd7.i Injection Date: 13-JUL-2006 23:37
Lab File ID: 7071315.d Init. Cal. Date(s): 12-JUL-2006 13-JUL-2006
Analysis Type: AIR Init. Cal. Times: 13:27 19:24
Lab Sample ID: CCV Quant Type: ISTD
Method: /chem/msd7.i/7-13jul.b/t141712a.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF10	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
49 Trichloroethene	0.52227	0.53295	0.010	-2.04417	30.00000	Averaged
50 1,2-Dichloropropane	0.40992	0.43504	0.010	-6.12691	30.00000	Averaged
51 1,4-Dioxane	0.25038	0.29263	0.010	-16.87415	30.00000	Averaged
52 Bromodichloromethane	0.82445	0.91190	0.010	-10.60664	30.00000	Averaged
53 cis-1,3-Dichloropropene	0.61555	0.69638	0.010	-13.13128	30.00000	Averaged
54 4-Methyl-2-pentanone	0.88895	1.06116	0.010	-19.37234	30.00000	Averaged
56 Toluene	1.38101	1.42362	0.010	-3.08514	30.00000	Averaged
57 trans-1,3-Dichloropropene	0.72241	0.83496	0.010	-15.57891	30.00000	Averaged
58 1,1,2-Trichloroethane	0.55412	0.59945	0.010	-8.18105	30.00000	Averaged
59 Tetrachloroethene	0.68022	0.72880	0.010	-7.14142	30.00000	Averaged
60 2-Hexanone	0.54269	0.61248	0.010	-12.86018	30.00000	Averaged
61 Dibromochloromethane	0.82350	0.94508	0.010	-14.76456	30.00000	Averaged
62 1,2-Dibromoethane	0.81819	0.92238	0.010	-12.73358	30.00000	Averaged
65 Chlorobenzene	1.28778	1.33743	0.010	-3.85565	30.00000	Averaged
66 Ethyl Benzene	0.68796	0.73827	0.010	-7.31250	30.00000	Averaged
67 m,p-Xylene	0.81216	0.87796	0.010	-8.10226	30.00000	Averaged
68 o-Xylene	0.80125	0.84780	0.010	-5.80967	30.00000	Averaged
69 Styrene	1.16224	1.31997	0.010	-13.57143	30.00000	Averaged
70 Bromoform	0.67252	0.76448	0.010	-13.67345	30.00000	Averaged
71 Cumene	2.91945	3.14945	0.010	-7.87801	30.00000	Averaged
74 1,1,2,2-Tetrachloroethane	1.12685	1.20968	0.010	-7.35048	30.00000	Averaged
75 Propylbenzene	3.60268	3.81688	0.010	-5.94557	30.00000	Averaged
77 4-Ethyltoluene	2.90452	3.15322	0.010	-8.56254	30.00000	Averaged
78 1,3,5-Trimethylbenzene	2.22139	2.37175	0.010	-6.76883	30.00000	Averaged
81 1,2,4-Trimethylbenzene	2.16331	2.37276	0.010	-9.68198	30.00000	Averaged
84 1,3-Dichlorobenzene	1.38256	1.46264	0.010	-5.79207	30.00000	Averaged
85 1,4-Dichlorobenzene	1.37134	1.48480	0.010	-8.27323	30.00000	Averaged
86 alpha-chlorotoluene	2.24213	2.60273	0.010	-16.08254	30.00000	Averaged
89 1,2-Dichlorobenzene	1.33988	1.43853	0.010	-7.36265	30.00000	Averaged
93 1,2,4-Trichlorobenzene	0.64527	0.81362	0.010	-26.09053	30.00000	Averaged
94 Hexachlorobutadiene	0.54966	0.64331	0.010	-17.03817	30.00000	Averaged
95 Naphthalene	2.37144	3.01473	0.010	-27.12623	40.00000	Averaged
31 Vinyl Acetate	1.33451	1.18342	0.010	11.32185	30.00000	Averaged

Air Toxics Ltd.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msd7.i Injection Date: 13-JUL-2006 17:49
Lab File ID: 7071308a.d Init. Cal. Date(s): 12-JUL-2006 13-JUL-2006
Analysis Type: AIR Init. Cal. Times: 13:27 19:24
Lab Sample ID: CCV special Quant Type: ISTD
Method: /chem/msd7.i/7-13jul.b/t141712a.m

			MIN		MAX	
COMPOUND	RRF / AMOUNT	RF10	RRF	%D / %DRIFT	%D / %DRIFT	CURVE TYPE
$ 42 1,2-Dichloroethane-d4	1.83974	1.79119	0.010	2.63920	30.00000	Averaged
$ 55 Toluene-d8	0.96106	0.95814	0.010	0.30391	30.00000	Averaged
$ 73 Bromofluorobenzene	0.55665	0.55392	0.010	0.49014	30.00000	Averaged
11 Isopentane	1.20851	1.40027	0.010	-15.86726	40.00000	Averaged
24 2-Methylpentane	1.49787	1.48696	0.010	0.72851	40.00000	Averaged
40 2,3-Dimethylpentane	0.27554	0.27528	0.010	0.09365	40.00000	Averaged
47 Thiophene	0.78270	0.78523	0.010	-0.32271	40.00000	Averaged
87 Indan	2.71829	2.65962	0.010	2.15850	40.00000	Averaged
90 Indene	1.51587	1.65401	0.010	-9.11275	40.00000	Averaged

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0606679A-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7071312	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 7/13/06 09:05 PM	

Compound	%Recovery
Freon 12	104
Freon 114	102
Chloromethane	97
Vinyl Chloride	105
Bromomethane	96
Chloroethane	65 Q
Freon 11	102
1,1-Dichloroethene	99
Freon 113	103
Methylene Chloride	94
1,1-Dichloroethane	100
cis-1,2-Dichloroethene	106
Chloroform	100
1,1,1-Trichloroethane	102
Carbon Tetrachloride	105
Benzene	94
1,2-Dichloroethane	102
Trichloroethene	103
1,2-Dichloropropane	103
cis-1,3-Dichloropropene	81
Toluene	101
trans-1,3-Dichloropropene	104
1,1,2-Trichloroethane	107
Tetrachloroethene	107
1,2-Dibromoethane (EDB)	109
Chlorobenzene	104
Ethyl Benzene	113
m,p-Xylene	103
o-Xylene	93
Styrene	117
1,1,2,2-Tetrachloroethane	106
1,3,5-Trimethylbenzene	89
1,2,4-Trimethylbenzene	74
1,3-Dichlorobenzene	104
1,4-Dichlorobenzene	105
alpha-Chlorotoluene	105
1,2-Dichlorobenzene	104
1,2,4-Trichlorobenzene	138 Q
Hexachlorobutadiene	120
Propylene	102

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0606679A-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	7071312	Date of Collection: NA	
Dil. Factor:	1.00	Date of Analysis: 7/13/06 09:05 PM	

Compound	%Recovery
1,3-Butadiene	116
Acetone	107
Carbon Disulfide	118
trans-1,2-Dichloroethene	115
2-Butanone (Methyl Ethyl Ketone)	130
Hexane	115
Tetrahydrofuran	106
Cyclohexane	116
1,4-Dioxane	127
Bromodichloromethane	115
4-Methyl-2-pentanone	126
2-Hexanone	127
Dibromochloromethane	126
Bromoform	126
4-Ethyltoluene	113
Ethanol	117
Methyl tert-butyl ether	115
Heptane	116
Naphthalene	136
2-Methylpentane	Not Spiked
Isopentane	Not Spiked
2,3-Dimethylpentane	Not Spiked
2,2,4-Trimethylpentane	106
Indene	Not Spiked
Indan	Not Spiked
Thiophene	Not Spiked
2-Propanol	112

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	98	70-130
Toluene-d8	100	70-130

Air Toxics Ltd.

RECOVERY REPORT

Client Name: Client SDG: 7-13jul
Sample Matrix: GAS Fraction: VOA
Lab Smp Id: LCS Client Smp ID: LCS
Level: LOW Operator: srs
Data Type: MS DATA SampleType: LCS
SpikeList File: AT-2.spk Quant Type: ISTD
Sublist File: AT-2.sub
Method File: /chem/msd7.i/7-13jul.b/t141712a.m
Misc Info: 50ppbv -> 10ppbv

	SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
1	Propylene	10.000	10.254	102.55	60-140
3	Dichlorodifluorome	10.000	10.374	103.74	70-130
4	Freon 114	10.000	10.205	102.05	70-130
5	Chloromethane	10.000	9.734	97.35	70-130
6	Vinyl Chloride	10.000	10.503	105.03	70-130
8	1,3-Butadiene	10.000	11.652	116.52	60-140
9	Bromomethane	10.000	9.566	95.66	70-130
10	Chloroethane	10.000	6.530	65.30*	70-130
13	Trichlorofluoromet	10.000	10.233	102.33	70-130
18	Freon 113	10.000	10.282	102.82	70-130
17	1,1-Dichloroethene	10.000	9.925	99.25	70-130
19	Acetone	10.000	10.688	106.88	60-140
20	Carbon Disulfide	10.000	11.752	117.52	60-140
25	Methylene Chloride	10.000	9.397	93.97	70-130
26	MTBE	10.000	11.470	114.70	60-140
27	trans-1,2-Dichloro	10.000	11.468	114.68	60-140
29	Hexane	10.000	11.526	115.26	60-140
30	1,1-Dichloroethane	10.000	10.029	100.29	70-130
33	cis-1,2-Dichloroet	10.000	10.558	105.58	70-130
34	2-Butanone	10.000	12.972	129.72	60-140
35	Tetrahydrofuran	10.000	10.614	106.14	60-140
37	Chloroform	10.000	10.020	100.20	70-130
38	Cyclohexane	10.000	11.605	116.05	60-140
39	1,1,1-Trichloroeth	10.000	10.187	101.87	70-130
41	Carbon Tetrachlori	10.000	10.512	105.12	70-130
43	2,2,4-Trimethylpen	10.000	10.625	106.25	70-130
44	Benzene	10.000	9.396	93.96	70-130
45	1,2-Dichloroethane	10.000	10.258	102.58	70-130
46	Heptane	10.000	11.611	116.11	60-140
49	Trichloroethene	10.000	10.290	102.90	70-130
50	1,2-Dichloropropan	10.000	10.313	103.13	70-130
51	1,4-Dioxane	10.000	12.718	127.18	60-140
52	Bromodichlorometha	10.000	11.471	114.71	60-140

	SPIKE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
53	cis-1,3-Dichloropr	10.000	8.121	81.21	70-130
54	4-Methyl-2-pentano	10.000	12.640	126.40	60-140
56	Toluene	10.000	10.080	100.80	70-130
58	1,1,2-Trichloroeth	10.000	10.678	106.78	70-130
59	Tetrachloroethene	10.000	10.682	106.82	70-130
60	2-Hexanone	10.000	12.672	126.72	60-140
61	Dibromochlorometha	10.000	12.594	125.94	60-140
62	1,2-Dibromoethane	10.000	10.945	109.45	70-130
65	Chlorobenzene	10.000	10.424	104.24	70-130
66	Ethyl Benzene	10.000	11.322	113.22	70-130
67	m,p-Xylene	20.000	20.686	103.43	70-130
68	o-Xylene	10.000	9.320	93.21	70-130
70	Bromoform	10.000	12.594	125.94	60-140
74	1,1,2,2-Tetrachlor	10.000	10.581	105.81	70-130
77	4-Ethyltoluene	10.000	11.289	112.89	60-140
78	1,3,5-Trimethylben	10.000	8.908	89.08	70-130
81	1,2,4-Trimethylben	10.000	7.379	73.79	70-130
84	1,3-Dichlorobenzen	10.000	10.429	104.29	70-130
85	1,4-Dichlorobenzen	10.000	10.511	105.11	70-130
89	1,2-Dichlorobenzen	10.000	10.385	103.85	70-130
93	1,2,4-Trichloroben	10.000	13.820	138.20*	70-130
94	Hexachlorobutadien	10.000	12.022	120.22	70-130
71	Cumene	10.000	10.748	107.48	60-140
75	Propylbenzene	10.000	10.975	109.75	60-140
21	2-Propanol	10.000	11.164	111.64	60-140
15	Ethanol	10.000	11.727	117.27	60-140
86	alpha-chlorotoluen	10.000	10.496	104.96	70-130
95	Naphthalene	10.000	13.645	136.45	60-140
31	Vinyl Acetate	10.000	12.933	129.33	60-140

	SURROGATE COMPOUND	CONC ADDED PPBV	CONC RECOVERED PPBV	% RECOVERED	LIMITS
$ 42	1,2-Dichloroethane	10.000	9.865	98.65	70-130
$ 55	Toluene-d8	10.000	10.055	100.55	70-130
$ 73	Bromofluorobenzene	10.000	9.752	97.52	70-130

@ AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0606679B

Work Order Summary

CLIENT:	Mr. Scott Hauswirth The RETEC Group, Inc. 1001 W. Seneca St. Suite 204 Ithaca, NY 14850	**BILL TO:**	Mr. Scott Hauswirth The RETEC Group, Inc. 1001 W. Seneca St. Suite 204 Ithaca, NY 14850
PHONE:	607-277-5716	**P.O. #**	
FAX:		**PROJECT #**	ORAN2-19643-200 Port Jervis SI-28 Pike St.
DATE RECEIVED:	06/29/2006	**CONTACT:**	Kelly Buettner
DATE COMPLETED:	07/14/2006		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
05A	GRSG4	Modified ASTM D-1945	5.0 "Hg
06A	GRSG3	Modified ASTM D-1945	3.5 "Hg
06AA	GRSG3 Duplicate	Modified ASTM D-1945	3.5 "Hg
07A	Lab Blank	Modified ASTM D-1945	NA
08A	LCS	Modified ASTM D-1945	NA

CERTIFIED BY: Linda A. Truman DATE: 07/14/06

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/05, Expiration date: 06/30/06
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified ASTM D-1945
The RETEC Group, Inc.
Workorder# 0606679B

Two 6 Liter Summa Special (100% Certified) samples were received on June 29, 2006. The laboratory performed analysis via modified ASTM Method D-1945 for Helium using GC/TCD. The method involves direct injection of 1.0 mL of sample. See the data sheets for the reporting limits for each compound.

Method modifications taken to run these samples include:

Requirement	*ASTM D-1945*	*ATL Modifications*
Normalization	Sum of original values should not differ from 100.0% by more than 1.0%.	Sum of original values may range between 75-125%. Normalization of data not performed.
Sample analysis	Equilibrate samples to 20-50° F. above source temperature at field sampling	No heating of samples is performed.
Sample calculation	Response factor is calculated using peak height for C5 and lighter compounds.	Peak areas are used for all target analytes to quantitate concentrations.
Reference Standard	Concentration should not be < half of nor differ by more than 2 X the concentration of the sample. Run 2 consecutive checks; must agree within 1%.	A minimum 3-point linear calibration is performed. The acceptance criterion is %RSD </= 25%. All target analytes must be within the linear range of calibration (with the exception of O2, N2, and C6+ Hydrocarbons).
Sample Injection Volume	0.50 mL to achieve Methane linearity.	1.0 mL.

Receiving Notes

The Chain of Custody was not relinquished properly. The discrepancy was noted in the Sample Receipt Confirmation email/fax.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Six qualifiers may have been used on the data analysis sheets and indicate as follows:
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Project No. ORAN2-19643-400 | Page 1 of _____
Client ORANGE & Rockland | Date 08/10/06
Site Port Jervis | By G. A. Malzone
Subject Air Sample Calculations | App. _____

RETEC

006679AR1-01A Benzene = 4.5 ppbv IS 1,4-Difluorobenzene

$$\text{Conc. (ppbv)} = \frac{(\text{response})(\text{IS})(\text{DF})}{(\text{IS response})(\overline{\text{RRF}})}$$

$$= \frac{(36725)(10)(15.8)}{(988168)(1.31243)} = 4.474 \text{ ppbv} \quad \checkmark$$

$$\text{Conc. } (\mu g/M^3) = \frac{(\text{ppbv})(MW)}{(24.055)} = \frac{(4.474)(78.11)}{24.055} = 14.53 \ \mu g/M^3 \quad \checkmark$$

G. A. Malzone

Air Toxics Ltd.

AMBIENT AIR METHOD TO14/TO15

Data file : /chem/msd7.i/7-13jul.b/7071320.d
Lab Smp Id: 0606679A-01A
Inj Date : 14-JUL-2006 04:07
Operator : wf Inst ID: msd7.i
Smp Info : 50mL #431
Misc Info : 4.5"Hg->5.0psi Retec
Comment :
Method : /chem/msd7.i/7-13jul.b/t141712a.m
Meth Date : 14-Jul-2006 12:40 jgray Quant Type: ISTD
Cal Date : 13-JUL-2006 19:24 Cal File: 7071310.d
Als bottle: 1
Dil Factor: 15.80000
Integrator: HP RTE Compound Sublist: Ret9162.sub
Target Version: 3.50 Sample Matrix: AIR
Processing Host: eeyore

Concentration Formula: Amt * DF * CpndVariable

Cpnd Variable Local Compound Variable

				CONCENTRATIONS ON-COL	CONCENTRATIONS FINAL		
RT	EXP RT (REL RT)	MASS	RESPONSE	(PPBV)	(PPBV)	TARGET RANGE	RATIO
* 36 Bromochloromethane					CAS #: 74-97-5		
16.193	16.193 (1.000)	130	216079	10.0000		80.00- 120.00	100.00
16.193	16.193 (1.000)	128	165692			46.11- 106.11	76.68
16.193	16.193 (1.000)	49	361003			134.20- 194.20	167.07
* 48 1,4-Difluorobenzene					CAS #: 540-36-3		
17.659	17.659 (1.000)	114	988168	10.0000		80.00- 120.00	100.00
17.631	17.659 (1.000)	88	166470			0.00- 46.41	16.85
* 64 Chlorobenzene-d5					CAS #: 3114-55-4		
21.972	21.972 (1.000)	117	799342	10.0000		80.00- 120.00	100.00
21.972	21.972 (1.000)	82	461580			26.75- 86.75	57.74
$ 42 1,2-Dichloroethane-d4					CAS #: 17060-07-0		
17.050	17.078 (1.053)	65	397177	9.99114	9.991	80.00- 120.00	100.00
17.078	17.078 (1.055)	67	188981			25.85- 85.85	47.58
$ 55 Toluene-d8					CAS #: 2037-26-5		
19.760	19.760 (1.119)	98	921674	9.70502	9.705	80.00- 120.00	100.00
19.760	19.760 (1.119)	70	107622			0.00- 41.46	11.68

RT	EXP RT (REL RT)	MASS	RESPONSE	CONCENTRATIONS ON-COL (PPBV)	CONCENTRATIONS FINAL (PPBV)	TARGET RANGE	RATIO
$ 55 Toluene-d8 (continued)							
19.760	19.760 (1.119)	100	625089			38.24- 98.24	67.82
$ 73 Bromofluorobenzene					CAS #: 460-00-4		
23.797	23.797 (1.083)	174	435094	9.77839	9.778	80.00- 120.00	100.00
23.797	23.797 (1.083)	95	672702			125.09- 185.09	154.61
23.797	23.797 (1.083)	176	421963			67.21- 127.21	96.98
15 Ethanol					CAS #: 64-17-5		
11.880	11.935 (0.734)	45	477604	30.0964	475.52	80.00- 120.00	100.00
11.880	11.935 (0.734)	43	106188			0.00- 50.79	22.23
11.880	11.935 (0.734)	46	195367			9.82- 69.82	40.91
19 Acetone					CAS #: 67-64-1		
12.709	12.709 (0.785)	43	53309	0.73280	11.578	80.00- 120.00	100.00
12.709	12.709 (0.785)	58	14129			0.00- 59.96	26.50
44 Benzene					CAS #: 71-43-2		
17.078	17.078 (0.967)	78	36725	0.28317	4.474	80.00- 120.00	100.00
17.078	17.078 (0.967)	77	9448			0.00- 53.15	25.73
56 Toluene					CAS #: 108-88-3		
19.870	19.870 (1.125)	91	32878	0.24092	3.806	80.00- 120.00	100.00
19.870	19.870 (1.125)	92	18429			31.09- 91.09	56.05
59 Tetrachloroethene					CAS #: 127-18-4		
20.672	20.672 (0.941)	166	14152	0.26028	4.112	80.00- 120.00	100.00
20.672	20.672 (0.941)	129	11515			49.00- 109.00	81.37
20.672	20.672 (0.941)	131	10362			46.17- 106.17	73.22
11 Isopentane					CAS #: 78-78-4		
10.248	10.249 (0.633)	57	134662	5.15683	81.478	70.00- 130.00	100.00
10.248	10.249 (0.633)	43	203349			116.42- 176.42	151.01
10.248	10.249 (0.633)	42	178325			98.78- 158.78	132.42

APPENDIX E

Full NYSDEC ASP Category B Laboratory Data Package